PC-1

# Eco-Tourism at Changa Manga and Wetlands, Uchhali & Chashma

| | |
|---|---|
| ORIGINAL APPROVED COST | **PKR Million. 8,710.570/-** |
| ORIGINAL APPROVED GESTATION | **24 Months**<br>**Till June 2026** |
| APPROVAL FORUM | **PDWP (PDWP)** |

## 1. NAME OF THE PROJECT

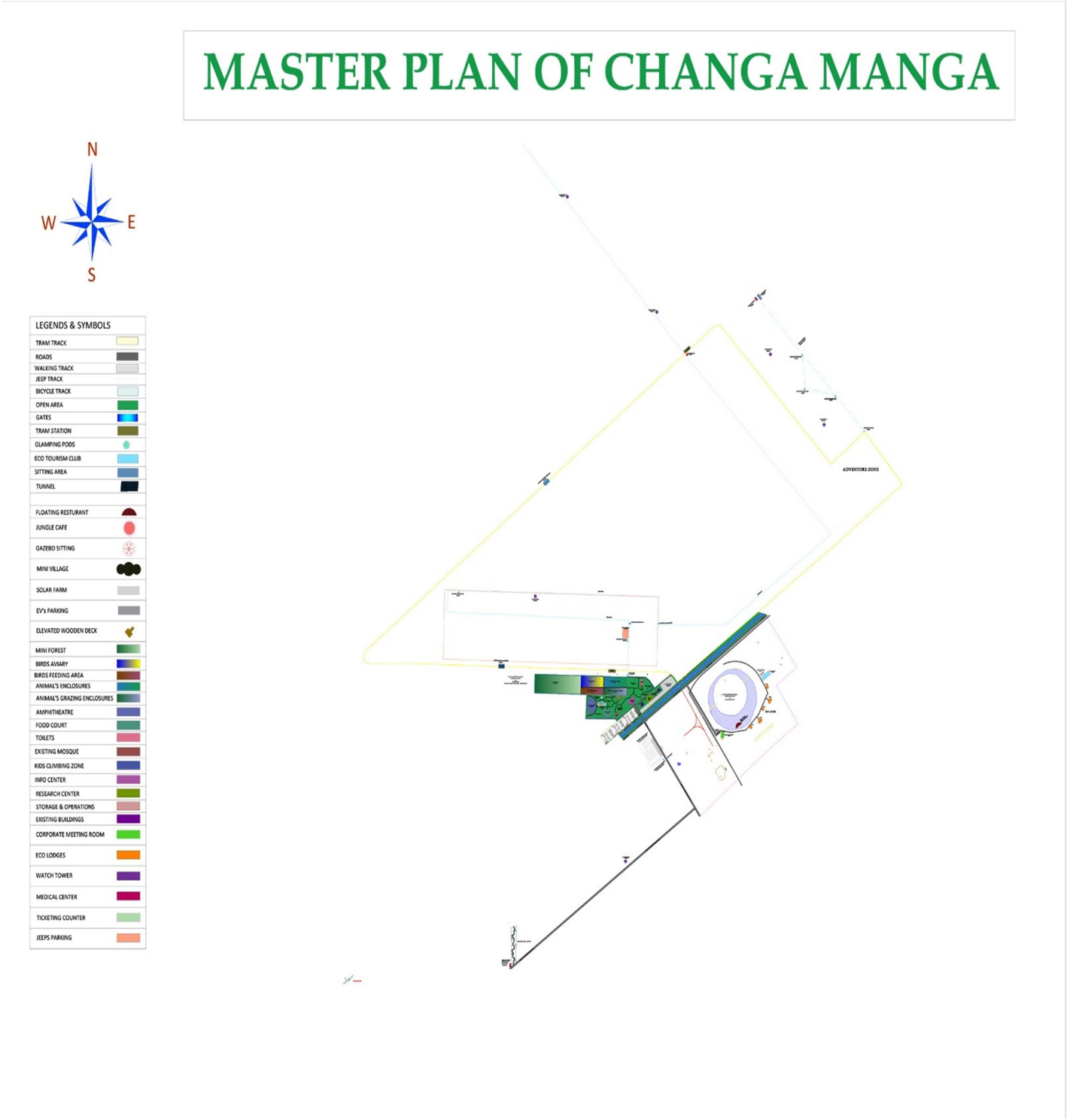
Eco-Tourism at Changa Manga and Wetlands, Uchhali & Chashma

## 2. LOCATION OF THE PROJECT

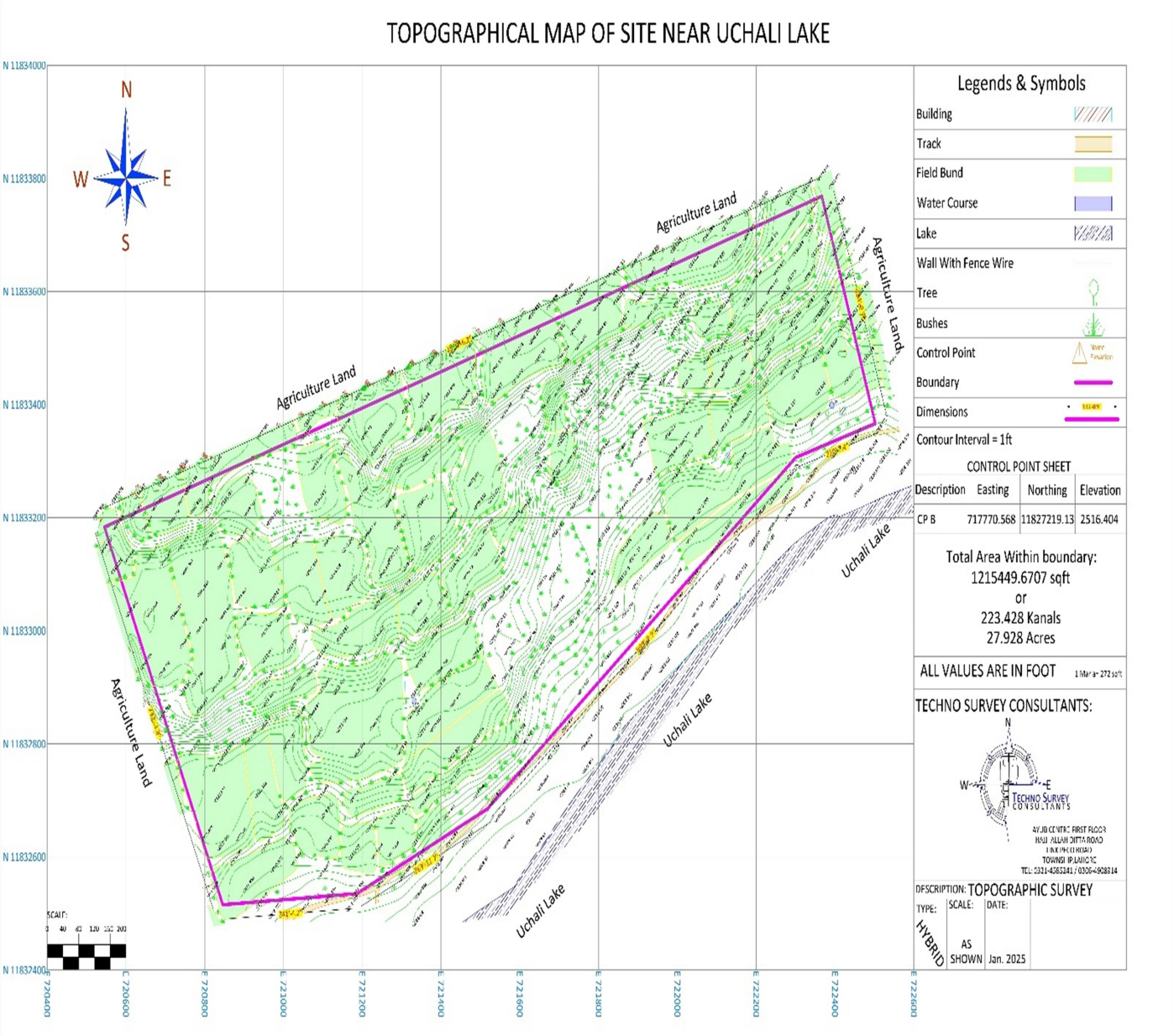
### 2.1. DISTRICT(S)

I. KASUR, KHUSHAB, MIANWALI

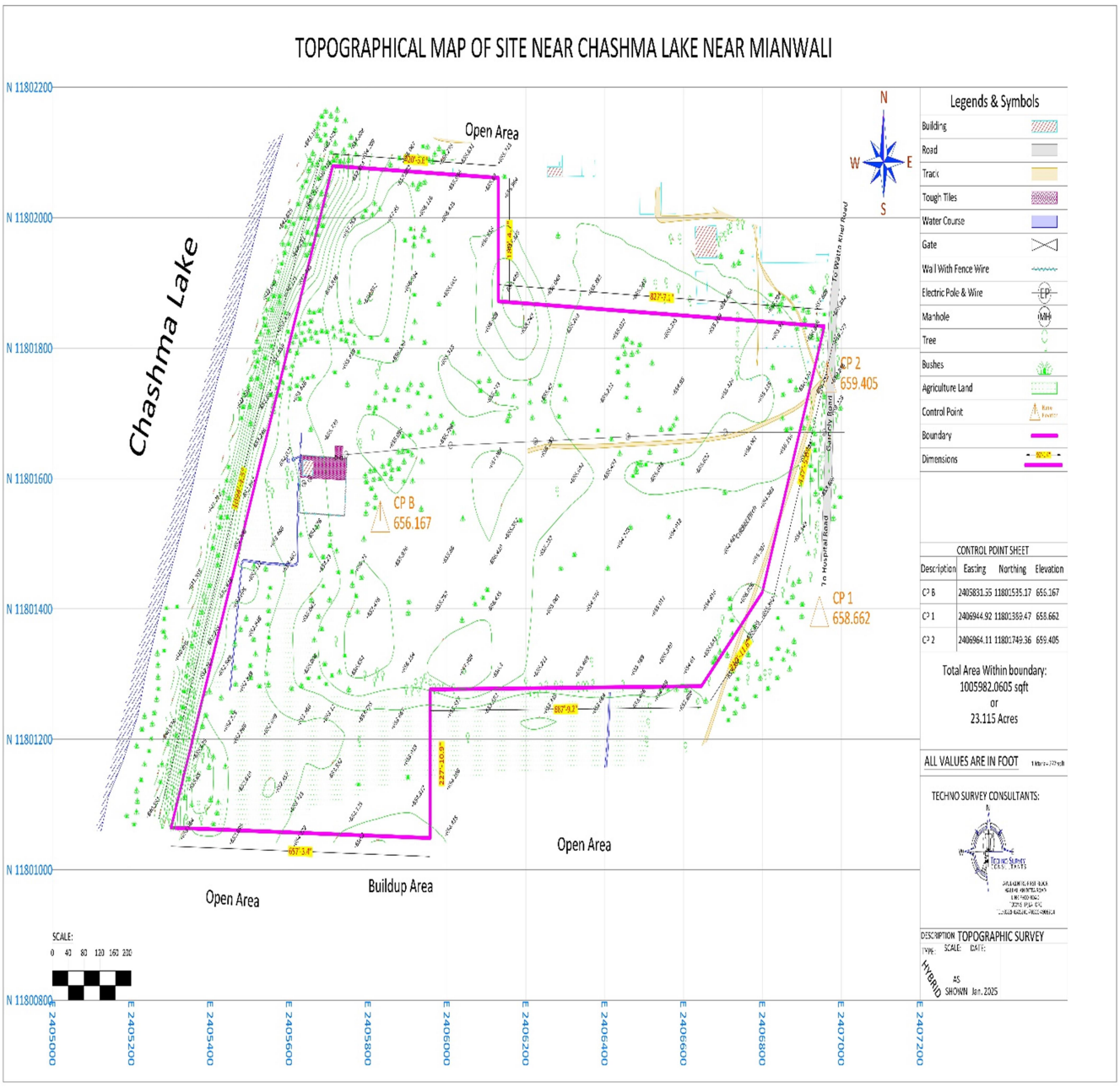
# TOPOGRAPHIC SURVEY MAP OF CHANGA MANGA



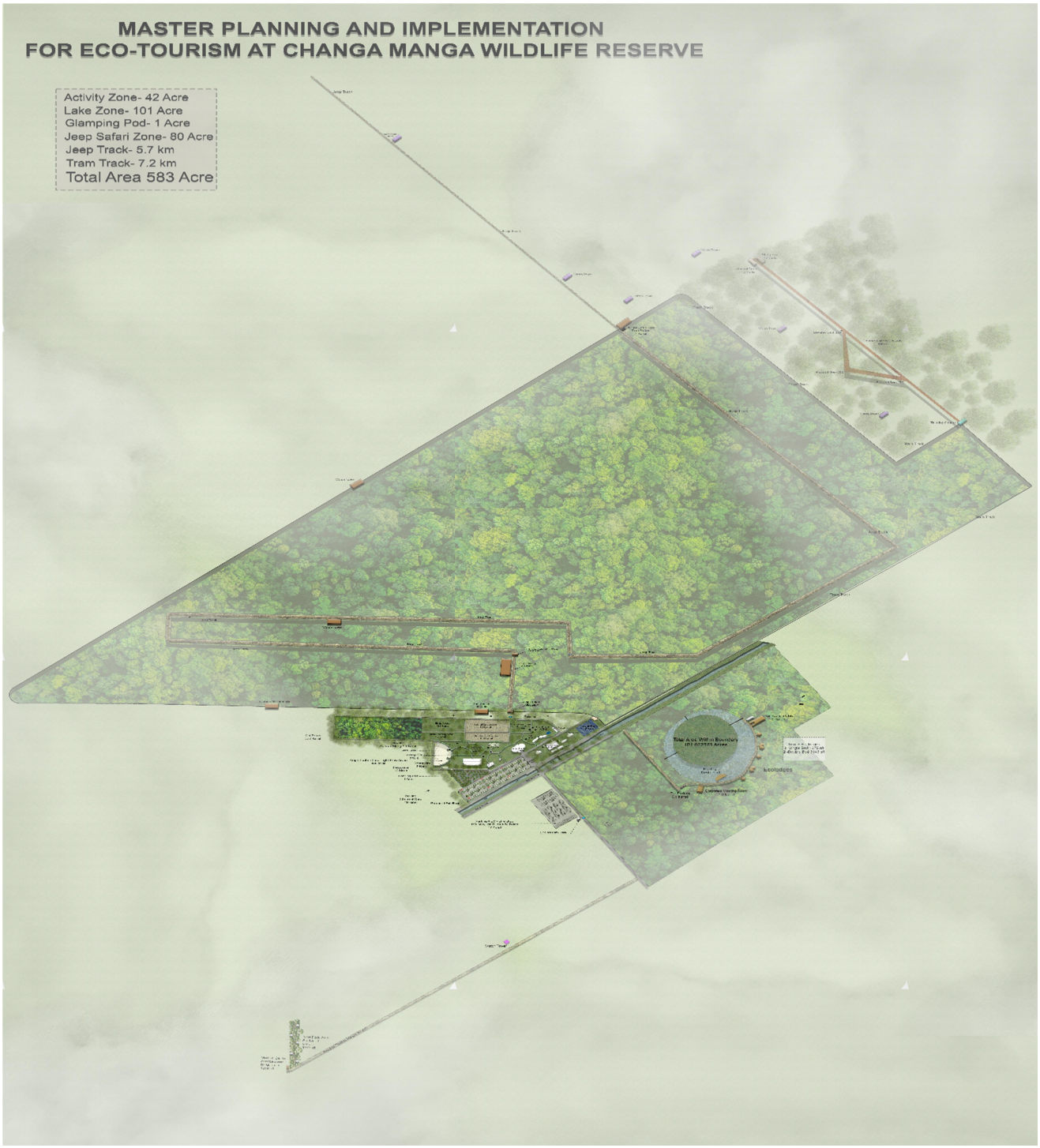
# TOPOGRAPHIC SURVEY MAP OF WETLAND UCHALI



# TOPOGRAPHIC SURVEY MAP OF RAMSAR SITE (CHASHMA)



# PROPOSED ACTION PLAN



# PROPOSED ACTION PLAN

# PROPOSED ACTION PLAN UCHALI ZONE - I

# PROPOSED ACTION PLAN UCHALI ZONE - II

## 3. AUTHORITIES RESPONSIBLE FOR

### 3.1. SPONSORING AGENCY

- FORESTRY,WILDLIFE,FISHERIES

### 3.2. EXECUTION AGENCY

- FORESTRY
- WILDLIFE

### 3.3. OPERATIONS AND MAINTENANCE AGENCY

- WILDLIFE

### 3.4. CONCERNED FEDRAL MINISTRY

## 4. PLAN PROVISION

| Sr # | Description |
|---|---|
| 1 | **Source of Funding:**Scheme Listed in ADP CFY |
| 2 | **GS No:**3276 |
| 3 | **Total Allocation:**1,000.000 |

**Comments:**

## 5. PROJECT OBJECTIVES

Punjab Wildlife & Parks Department is the sole custodian of wildlife resources of the Punjab province. Mandate of the Punjab Wildlife & Parks Department is protection, preservation, conservation and management of wild animals and birds in such a way that the sustainable use of this renewable natural resource is ensured over long period of time by the coming generations. Shrinkage of habitat due to anthropogenic activities, agricultural expansion, leases of state lands particularly in natural habitats of wildlife for agriculture, mining & other commercial activities etc., habitat fragmentation and above all the climate change are the major factors contributing towards rapid decline in number of wildlife species. To cater for prevailing scenario, the Department has established a network of protected areas (in-situ conservation sites) and chain of captive breeding facilities (ex-situ conservation sites) throughout the Punjab Province. Whereas, the department has also undertaken various development activities both for in-situ and ex-situ conservation of precious wildlife resources. The ex-situ conservation facilities developed by the department are mainly meant for breeding of extirpated / endangered wildlife species in order to provide progeny for release in natural habitats apart from providing recreation and orientation about the importance of wildlife and its role in eco-system to general public. Similarly, the in-situ conservation sites i.e. protected areas are meant for conservation of wildlife species and their natural habitats and being national heritage sites harboring natural features and scenic beauty, hence making way for exploring their eco-tourism potential. Such interventions leading to local areas development with employment generation opportunities also curtail pressure on natural resources due to indiscriminate overexploitation through the factors as envisaged above. The Changa Manga Wildlife Reserve (recently declared as wildlife reserve from its previous status as Wildlife Sanctuary) in district Kasur though undergone time to time development activities for provision of eco-tourism facilities to the public but its absolute potential in this regard is yet to be explored. Furthermore, the eco-tourism potential of Uchali wetlands complex is remained under consideration for eco- tourism developments but not yet materialized. Whereas, development and implementation of a master plan principally to provide eco-tourism facilities to the public / tourist will lead to improved environmental / social health and serve an excellent intervention for wildlife as well as natural habitats conservation along with public recreation and ecosystem education. Therefore, the objectives of this project have been designed to provide environmentally sustainable ecotourism avenues to the general public as well as tourists and the same will led to local area development, employment generation and exploration

of alternate livelihood means to curtail pressure on natural resources apart from conservation and preservation of natural resources.

Therefore, the present scheme has been conceived for master planning and its implementation for eco-tourism development in protected areas viz., Changa Manga Public Wildlife Reserve and Uchali wetlands complex in districts Kasur, Chakwal and Khushab respectively of Punjab Province and, hence, is closely linked with objectives of wildlife sector.

**(a). Project Objectives in Quantitative Terms**

The project has the following objectives: -

1. Development of Masterplan of the project sites and its implementation for Eco-Tourism.
2. Development of new facilities and renovation/repair of existing facilities at project sites to support eco-tourism.
3. Implement measures to ensure that tourism activities are environmentally sustainable.
4. Capacity building and involvement of local communities in eco-tourism initiatives.
5. Development of breeding cum safari / display enclosures for wildlife species and wildlife safaris in natural habitats of project sites.
6. Eco-tourism developments in wetlands included in the project.
7. Provision of ecotourism facilities for the tourists/general public.
8. Supplementation of endemic species in their natural habitats of project sites for proliferation and to generate eco-tourism avenues.
9. Mass awareness about the importance of Wildlife, Natural Habitats & Resources.

## 6. DESCRIPTION AND JUSTIFICATION OF PROJECT

### 6.1 JUSTIFICATION OF PROJECT:

**Description of Project:**

As stated in the earlier sections that the natural habitats of wildlife are facing undue pressure on their resources, particularly due to absolute dependency on natural resources owing to fewer livelihood means for the residents. The models for eco-tourism developments resulting in improved environmental / social health, revenues generation, local areas, contribution to GDP and employment generation leading to curtailment in pressure over natural resources are proving their effectiveness across the world. Protected areas have been declared throughout the world for specific purposes concerning with conservation of flora & fauna, natural habitats or cultural / heritage sites. The same are in practice in Pakistan and also in Punjab province immediately after commencement of the relevant laws / rules. The protected areas are managed / protected under the umbrella of relevant legislations for preservation of their ecological integrity and conservation of natural resources therein. In Punjab province, since the inception of wildlife legislations, the protected areas viz., National Parks, Wildlife Sanctuaries and Game reserves were notified for conservation, preservation and management of natural habitats and wildlife therein. However, owing to factors narrated in former section responsible for posing threats to wildlife and their habitats and in absence of any sound planning contributing to local areas as well as communities' development, such declaration of protected areas remained useless and hence, warrants for management planning in this respect. In sequel to this, besides various protected areas notified under different categories in Punjab Province, the Punjab Wildlife & Parks Department has recently declared wetlands for potential aquatic habitats like Uchali complex in district Khushab besides declaration of Namal lake, district Mianwali as wetland under the Punjab Protected Areas Act, 2020. Similarly, after being remained a National Park under the provisions of Wildlife Act, 1974 (amended in 2007).

1. Development of Masterplan of the project sites and its implementation for Eco-Tourism.
2. Development of Eco-tourism infrastructure and ancillary interventions at project sites.
3. Improvement and upgradation of existing infrastructure / facilities at project sites to enhance visitor experience and safety.
4. Implementation of measures to ensure that tourism activities are environmentally sustainable.

5. Capacity building of local communities and their involvement in eco-tourism activities.
6. Development of pens / breeding enclosures / supplementation of endemic species in their natural habitats of project sites for their proliferation and to generate eco-tourism avenues.
7. Hiring of project staff / contingencies staff and their capacity building for smooth running of the project activities.

**Existing Facilities**

Changa Manga Plantation, having an area of 12500 acres, was initially a Wildlife Sanctuary and situated at a distance of about 70km from Lahore in District Kasur. A wildlife park was developed on 40-acre chunk of this plantation in 1983 with the objectives to provide recreational facility and awareness to general public regarding importance of wildlife and its conservation. Another objective was to facilitate eco-tourism in the area. In view of the fast depletion of natural habitats, it has been visualized to create a multi-purpose confined area as Deer Safari for a visitor experience of nature like area and a multiplication space for deer species of special concern like Hog Deer, Spotted Deer and the Samber. A development scheme titled "Establishment of Deer Safari and Improvement of Wildlife Park Changa Manga, District Kasur" has been completed during 2020. The said scheme has served as value addition for educational and recreational facilities being provided by the wildlife park and a semi-natural to natural habitat for the deer species to be kept therein. The establishment of Safari was a dire need of the time but the intervention remained underutilized owing to further need of development in the wildlife portion as well as exploring ways to utilize at maximum the natural attributes of the Changa Manga plantation.

Consequently, the existing infrastructure is not adequate to the requirements of sustainable ecotourism as envisaged in the objectives of this project.

| | **CHANGA MANGA WILDLIFE RESERVE, DISTRICT KASUR** | | |
|---|---|---|---|
| | | | |
| 1 | ADW Residence (BS-17) | 01 No. | Needs improvement |
| 2 | Staff Residence (BS 1-4) | 04 Nos. | 2 x need maintenance and 2 x improvement / renovation |
| 3 | Supervisor Residence | 01 No. | Needs improvement / renovation |
| 4 | Turbine with Chamber ½ cusec | 01 No. | Needs improvement / maintenance |
| 5 | Monkey House | 01 No. | --do-- |
| 6 | Bird Cages | 17 Nos. | --do-- |
| 7 | Shelters for visitors | 05 Nos. | --do-- |
| 8 | Office Block | 01 No. | Needs improvement / upgradation |
| 9 | Inspection Hut | 01 No. | Needs improvement / renovation |
| 10 | Animal Enclosures | 05 Nos. | Needs improvement and renovation |
| 11 | Deer Safari enclosures (8800 Rft) | 01 No. | Needs improvement / renovation of damaged portions |

| | | | |
|---|---|---|---|
| 12 | Security fencing with toe wall (6200 Rft) | 01 No. | Needs maintenance and construction for 1290 Rft |
| 13 | Main Gate with ticketing booth/guard room | 01No. | Needs improvement / maintenance |
| 14 | Toilets two sets (300 Sft) | 02 Sets | Needs improvement / renovation |
| 15 | Watch towers 30’ height | 02 Nos. | --do-- |
| 16 | Gazebos / visitors shelters | 10 Nos. | Needs improvement / renovation |
| **UCHALI WETLANDS COMPLEX** | | | |
| 17 | Currently no infrastructure of the department available there | -- | -- |
| **CHASHMA LAKE** | | | |
| 18 | Currently no infrastructure of the department available there | -- | -- |

**Technical Feature:**

Changa Manga also has a wildlife reserve that covers an area of 40 acres (16 ha), built in 2008. The reserve is home to species of hog deer, Indian peafowl, golden jackal, mouflon, nilgai and wild boar. The Changa Manga wildlife preserve is one of the three wildlife parks located in the Lahore Division, other two being Jallo Wildlife Park and Lahore Zoo Safari and also called as Woodland wildlife Parks.

Changa Manga is a man-made forest and wildlife park in Punjab, Pakistan. Some of its technical features include:

**Climate**

Changa Manga is located in a semi-arid, sub-tropical climate with hot summers, cold winters, and erratic rainfall.

Changa Manga, Pakistan has a semi-arid, subtropical climate with high temperatures, low humidity, and erratic rainfall.

**Temperature**

-Summer: Extremely hot from April to September

-Winter: Cold from mid-November to the end of January

-January: Temperatures can range from 6°C to 24°C

**Rainfall**

-Monsoon: Heavy showers of rain in July and August

-Other times: Erratic rainfall

-Humidity Low relative humidity.

-UV index Can be moderate.

-Wind Gusts can occur at night.

**Soil**

The soil is dark brown, silty clay loam, and well-drained. It's rich in nutrients and has high porosity and low permeability. The soil in Changa Manga Forest in Pakistan is dark brown, silty clay loam, and highly porous. It's also rich in plant nutrients and well-drained.

**Characteristics:**

-Color: Dark brown
-Texture: Silty clay loam
-Porosity: High
-Permeability: Low
-Depth: Fairly deep
-Drainage: Well-drained
-Nutrients: Rich in plant nutrients
-pH: Ranges from 7.7 to 8.0

**Plantation**

The plantation is made up of 12,510 acres of trees. The trees reproduce naturally by seed and root-suckers, and can also be propagated artificially.

The Changa Manga Plantation is a man-made forest in the Kasur district of Punjab, Pakistan. It is one of the oldest hand-planted forests in the world.

The first plantations were established in 1866 to provide fuel and timber for the North-Western railway.

The plantation was once the world's largest man-made forest, but deforestation has reduced its size.

The Changa Manga Forest in Pakistan is home to many types of trees, including:

-**Shisham:** Also known as Dalbergia sissoo, this rosewood tree is a main species in the forest
-**Eucalyptus:** A main species in the forest
-**Mulberry:** Also known as Morus alba, this tree is sensitive to irregular watering
-**Kikar:** Also known as Acacia nilotica, this tree grows well in open soil and requires a lot of light
-**Semal:** Also known as Bombax ceiba, this tree is one of the species growing in the forest
-**Bakain:** A tree growing in the forest
-**Hybrid-poplar:** A tree growing in the forest
-**Frash:** A tree planted in the forest
-**Toon:** A tree planted in the forest
-**Ber:** A tree planted in the forest
-**Jand:** A tree planted in the forest

**Wildlife reserve**

The wildlife reserve covers 40 acres and is home to species like hog deer, Indian peafowl, golden jackal, mouflon, nilgai, and wild boar.

**Aviary**

The communal aviary is 38 meters long and can hold up to 15 G. vultures. The four breeding aviaries can hold up to 30 vultures.

**Lake**

The forest has an artificial lake with a two-story wooden pagoda on Kikar wood pillars.

**Tourist Tram**

The forest has a tourist tram that winds through it.

**Wildlife Component:-**

Following animal and bird species are found naturally in this area:

14 species of mammals, 50 species of birds, 6 species of reptiles, 2 species of amphibians and 27 species of insects. Out of which most important are as follows:

1. Hog Deer
2. Indian Peafowl
3. Golden Jackal
4. Mouflon
5. Nilgai
6. Wild Boar

**Justification of Project:**

Keeping in view the objectives of Eco Tourism this project has been designed to provide environmentally sustainable ecotourism avenues to the general public as well as tourists and the same will led to local area development, employment generation and exploration of alternate livelihood means to curtail pressure on natural resources apart from conservation and preservation of natural resources

The development and implementation of a master plan principally to provide eco-tourism facilities to the public / tourist will lead to improved environmental / social health and serve an excellent intervention for wildlife as well as natural habitats conservation along with public recreation and ecosystem education. Therefore, the objectives of this project have been designed to provide environmentally sustainable ecotourism avenues to the general public as well as tourists and the same will led to local area development, employment generation and exploration of alternate livelihood means to curtail pressure on natural resources apart from conservation and preservation of natural resources.

Foregoing of the above, the present scheme has been conceived for master planning and its implementation for eco-tourism development in protected areas viz., Changa Manga Public Wildlife Reserve, and Uchali wetlands complex in districts Kasur, Chakwal and Khushab respectively of Punjab Province.

**Plan of Action of Project:**

The project scope will mainly encompass the development of eco-tourism interventions, improvement in existing facilities, development of breeding/display cum wildlife safari facilities for wildlife species in Changa Mange Public Wildlife Reserve and Uchali and Chashma Wetlands Complex, promotion of sustainable tourism practices and capacity building of local communities along with their engagements in eco-tourism initiatives.

Details of which are as under: -

**NEW FACILITIES PROPOSED.**

| **Sr. No.** | **Items** | **Unit** | **QTY** | | |
|---|---|---|---|---|---|
| **CHANGA MANGA** | | | | | |
| **GENRAL ACTIVITY ZONE** | | | | | |
| 1 | Parking for 250 Vehicles each (Total 500 Vehicles). | Nos. | 2 | | |
| 2 | Main Gate | Nos. | 1 | | |
| 3 | Information Centre | Kanal | 1.7 | | |
| 4 | Research Centre | Kanal | 1.4 | | |
| 5 | Residential Facility (Dorms) for Research Centre | Marla | 10 | | |
| 6 | Botanical Bird Paradise with Butterfly Garden | Kanal | 6 | | |
| 7 | Floor Mounted Fountains Area | Kanal | 4 | | |
| 8 | Tuck Shops near Fountains Area | Marla | 5 | | |

| | | | | | |
|---|---|---|---|---|---|
| 9 | Mini Village | Marla | 14 | | |
| 10 | Main Restaurant | Kanal | 3 | | |
| 11 | Rest Rooms Block (6+6) near Fountain Area | Nos. | 1 | | |
| 12 | Rest Rooms Block (6+6) near Restaurant Area | Nos. | 1 | | |
| 13 | Construction of Café's | Nos | 2 | | |
| 14 | Mini Zoo | Kanal | 2.2 | | |
| 15 | Heritage Walk | Rft | 223 | | |
| 16 | Craft Bazaar (9 Shops) | Nos. | 9 | | |
| 17 | Amphitheatre | Kanal | 4.4 | | |
| 18 | Picnic Area Development | Kanal | 1 | | |
| 19 | Rest Rooms Block (3+3) near Amphitheatre | Nos. | 1 | | |
| 20 | Animal Enclosures | Kanal | 17 | | |
| 21 | Development of Mini Forest | Kanal | 35.7 | | |
| **SAFARI ZONE** | | | | | |
| 23 | Main Gate | Nos. | 1 | | |
| 24 | Ticketing Counter | Nos. | 1 | | |
| 25 | Tram Station near Main Safari Gate along with Charging Station Civil and Allied Works. | Nos. | 1 | | |
| 26 | Tram Station near Jungle Safari Café | Nos. | 1 | | |
| 27 | Jeep Parking for 5 Vehicles | Kanal | 2 | | |
| 28 | Jungle Safari Mini Gate | Nos. | 1 | | |
| 29 | Immersive Tunnel (paintings) on Tram Track | Rft | 150 | | |
| 30 | Watch Towers | Nos. | 8 | | |
| 31 | Jeep Track Rehabilitation (km) | Km | 5.7 | | |
| 32 | Jungle Safari Café | Nos. | 1 | | |
| **ADVENTURE ZONE** | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 33 | Elevated Canopy Walkway (metres) | RM | 400 | | |
| 34 | Ticketing Counter | Nos. | 1 | | |
| 35 | Sitting Area | Marla | 10 | | |
| 36 | Medical Centre | Marla | 4.5 | | |
| **LAKE ZONE** | | | | | |
| 37 | Eco Tourism Gate with Reception Area | Nos. | 1 | | |
| 38 | Ticketing Counter | Nos. | 1 | | |
| 39 | Parking for EVs near Corporate Meeting Hall | Marla | 10 | | |
| 40 | Corporate Meeting Hall | Kanal | 1.3 | | |
| 41 | Floating Restaurant | Marla | 15 | | |
| 42 | Ecolodges Single Bed | Nos. | 3 | | |
| 43 | Ecolodges Double Bed | Nos. | 2 | | |
| 44 | Parking for EVs near Eco Tourism Club | Marla | 10 | | |
| 45 | Watch Tower | Nos. | 4 | | |
| 46 | Glamping Pods single bed | Nos. | 3 | | |
| 47 | Glamping Pods double bed | Nos. | 2 | | |
| 48 | Provision of Solar Facility | Nos. | 1 | | |
| 49 | Admin Block for Eco Lodges Zone | Marla | 10 | | |
| 50 | Boundary Wall Fence | Km | 5 | | |
| 51 | Complete Utilities Infrastructure Works WS/Sewerage | Job | Job | | |
| 52 | Complete Electrical and Electrical Distribution Works | Job | Job | | |
| 53 | Complete Fire Fighting and Fire Protection Works | Job | Job | | |
| 54 | Complete IT works | Job | Job | | |
| 55 | Changa Manga Staff Residential Quarters | Nos. | 6 | | |
| **CHASHMA** | | | | | |
| **Zone – I** | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| 1 | Link Road to Connect DI Khan Road to Gernali Road | Km | 1.3 | | |
| 2 | Access Road from Gernali Road to Chashma Ecotourism Zone | Km | 1 | | |
| 3 | Parking for 100 Vehicles and 50 Motorcycles | Kanal | 10 | | |
| 4 | Rest Rooms Block (6+6) Near Parking | Nos. | 1 | | |
| 5 | Rest Rooms Block (6+6) Near Restaurant | Nos. | 1 | | |
| 6 | Information Centre | Kanal | 2.2 | | |
| 7 | Kids Play Zone Area – Dolphin Theme. | Kanal | 5 | | |
| 8 | Restaurant. | Kanal | 2 | | |
| 9 | Boating Deck | Nos. | 1 | | |
| 10 | Fishing Deck | Nos. | 1 | | |
| 11 | Ecolodges Single Bed | Nos. | 3 | | |
| 12 | Ecolodges Double Bed | Nos. | 2 | | |
| 13 | Admin Block | Marla | 10 | | |
| 14 | Boundary Wall Fence | Km | 3.8 | | |
| 15 | Complete Utilities Infrastructure Works WS/Sewerage | Job | | | |
| 16 | Complete Electrical and Electrical Distribution Works | Job | | | |
| 17 | Complete Fire Fighting and Fire Protection Works | Job | | | |
| 18 | Provision of Solar Facility | Nos. | 1 | | |
| 19 | Complete IT works | Job | | | |
| **UCHALI** | | | | | |
| **Zone – I** | | | | | |
| 1 | Parking for 100 vehicles and 50 Motorcycles including Cat eyes and speed breakers on Main Road as per Master Plan. | Kanal | 10 | | |
| 2 | Rest rooms Block (6+6) near Parking | Nos. | 1 | | |
| 3 | Information Centre | Kanal | 1 | | |

| | | | | | |
|---|---|---|---|---|---|
| 4 | Cultural Bazaar | Kanal | 2 | | |
| 5 | Restaurant | Kanal | 1 | | |
| 6 | Photographic Deck | Nos. | 1 | | |
| 7 | Painting Spots | Nos. | 2 | | |
| 8 | Boating Deck | Nos. | 1 | | |
| **Zone – II** | | | | | |
| 9 | Ecolodges Single Bed | Nos. | 3 | | |
| 10 | Ecolodges Double Bed | Nos. | 2 | | |
| 11 | Glamping Pods Single Bed | Nos. | 3 | | |
| 12 | Glamping Pods Double Bed | Nos. | 2 | | |
| 13 | Star Gazing Tower | Nos. | 1 | | |
| 14 | Kids Play zone Area Near Ecolodges | Kanal | 2 | | |
| 15 | Boating Deck | Nos. | 1 | | |
| 16 | Boundary Fencing | Rft | 1 | | |
| 17 | Watch Towers/Security Towers | Nos | 4 | | |
| 18 | Landscaping Area | Kanal | 5 | | |
| 19 | Admin Block | Marla | 10 | | |
| 20 | Complete Utilities Infrastructure Works WS/Sewerage | Job | | | |
| 21 | Complete Electrical and Electrical Distribution Works | Job | | | |
| 22 | Complete Fire Fighting and Fire Protection Works | Job | | | |
| 23 | Provision of Solar Facility | Nos. | 1 | | |
| 24 | Complete IT works | Job | | | |

## 6.2 SECTORAL SPECIFIC INFORMATION:

The Punjab Wildlife & Parks Department is operating a chain of wildlife parks and zoological gardens in Punjab. The department has undertaken various initiatives and projects to improve zoo quality, enhance visitor experience, ensure visitor facilitation. Consequently, the present project is based on sectoral objectives of promoting biodiversity protection and conservation while ensuring delivery of service quality.

## 7. CAPITAL COST ESTIMATES:

**Financial Components:** Revenue
**Cost Center:**OTHERS- (OTHERS)
**Fund Center (Controlling):**N/A

**Grant Number:**Development Revenue - (PC22036)
**LO NO:**N/A
**A/C To be Credited:**Account-I

PKR Million

| Sr # | Object Code | 2024-2025 | | 2025-2026 | |
|---|---|---|---|---|---|
| | | Local | Foreign | Local | Foreign |
| 1 | **A09601**-Purchase of Plant and Machinery | 0.000 | 0.000 | 79.800 | 0.000 |
| 2 | **A09501**-Purchase of Transport | 0.000 | 0.000 | 428.280 | 0.000 |
| 3 | **A03919**-Payments To Others For Service Rendere | 0.000 | 0.000 | 520.000 | 0.000 |
| 4 | **A03303**-Electricity | 0.000 | 0.000 | 31.000 | 0.000 |
| 5 | **A03407**-Rates and Taxes | 0.000 | 0.000 | 20.500 | 0.000 |
| 6 | **A03805**-Travelling Allowance | 0.000 | 0.000 | 11.000 | 0.000 |
| 7 | **A03807**-P.O.L Charges A.Planes H.Coptors S.Car | 0.000 | 0.000 | 2.500 | 0.000 |
| 8 | **A03901**-Stationery | 0.000 | 0.000 | 21.000 | 0.000 |
| 9 | **A03902**-Printing and Publication | 0.000 | 0.000 | 20.000 | 0.000 |
| 10 | **A03907**-Advertising and Publicity | 0.000 | 0.000 | 266.000 | 0.000 |
| 11 | **A03970**-Others | 0.000 | 0.000 | 13.000 | 0.000 |
| 12 | **A01106**-Pay of Contract Staff | 0.000 | 0.000 | 139.440 | 0.000 |
| 13 | **A03927**-Purchase of Drug and Medicines | 0.000 | 0.000 | 5.000 | 0.000 |
| 14 | **A03942**-Cost of Other Stores | 0.000 | 0.000 | 25.000 | 0.000 |
| 15 | **A09201**-Purchase of Hardware | 0.000 | 0.000 | 2.800 | 0.000 |

| | | | | | |
|---|---|---|---|---|---|
| **16** | **A09701**-Purchase of Furniture and Fixture | 0.000 | 0.000 | 50.000 | 0.000 |
| **17** | **A13001**-Transport | 0.000 | 0.000 | 5.000 | 0.000 |
| **18** | **A13801**-Maintenance of Gardens | 0.000 | 0.000 | 111.000 | 0.000 |
| **19** | **A03301**-Gas | 0.000 | 0.000 | 8.600 | 0.000 |
| **20** | **A12403**-Other Buildings | 0.000 | 0.000 | 6,158.770 | 0.000 |
| **21** | **A09801**-Purchase of Livestock | 350.000 | 0.000 | **22** | **A09101**-Land and Buildings |
| 396.880 | 0.000 | **23** | **A03903**-Conference / Seminars / Workshops / Sy | 45.000 | 0.000 |
| **Total** | | **0.000** | **0.000** | **8,710.570** | **0.000** |

## 8. ANNUAL OPERATING COST (POST COMPLETION)

**Financial Components:** Revenue
**Cost Center:**OTHERS- (OTHERS)
**Fund Center (Controlling):**N/A

**Grant Number:**Development Revenue - (PC22036)
**LO NO:**N/A
**A/C To be Credited:**Account-I

PKR Million

| Sr # | Object Code |
|---|---|
| **Total** | |

## 9. Demand and Supply Analysis:

The project is poised to meet the growing demand for ecotourism and educational experiences while enhancing the supply of sustainable tourism infrastructure. On the demand side, there is an increasing interest in nature-based tourism and environmentally responsible travel, driven by a global shift towards sustainability and a desire for unique, immersive experiences. The Zoo's new features, such as glamping pods, tree houses, and an elevated ungulate safari, are designed to attract a perse range of visitors, including families, students, and eco-conscious tourists. Additionally, the inclusion of a state-of-the-art research center caters to the educational sector's need for hands-on learning and research opportunities. On the supply side, the project significantly enhances the Zoos capacity and quality of facilities. The development of eco-friendly accommodations and well-organized infrastructure, including parking and elevated pathways, ensures that the garden can handle increased visitor numbers while maintaining a high standard of environmental stewardship. The focus on sustainable practices, such as waste management and energy efficiency, ensures that the supply of services meets the growing demand without compromising the park's ecological integrity. By aligning the increased supply of high-quality, sustainable infrastructure with the rising demand for eco-friendly tourism and education, the project promises to create a thriving, economically viable, and environmentally sustainable destination.

## 10. FINANCIAL PLAN AND MODE OF FINANCING

### 10.1 FINANCIAL PLAN EQUITY INFORMATION:

The Project will be financed through the Annual Development Program of Government of the Punjab.

### 10.2 FINANCIAL PLAN DEBT INFORMATION:

Not applicable

### 10.3 FINANCIAL PLAN GRANT INFORMATION:

Not applicable

### 10.4 WEIGHT COST OF CAPITAL INFORMATION:

Not applicable

## 11. PROJECT BENIFITS AND ANALYSIS

### 11.1 PROJECT BENEFIT ANALYSIS INFORMATION:

The project is expected to bring substantial social benefits, enhancing the quality of life for the local community and visitors alike. By creating a premier ecotourism destination, the project will foster community engagement and pride in local natural heritage. The development of educational facilities and programs will provide valuable learning opportunities for students and researchers, promoting environmental awareness and stewardship among future generations. The project will also create numerous job opportunities in park management, tourism services, and conservation activities, contributing to local economic stability and growth. Moreover, the garden will serve as a recreational space where families and individuals can enjoy outdoor activities, promoting physical and mental well-being. By preserving the region's biodiversity and cultural heritage, the project will also strengthen social cohesion and a sense of belonging. Overall, the project promises to create a vibrant community hub that supports education, conservation, and sustainable economic development, delivering long-lasting social benefits to the region.

### 11.2 ENVIROMENTAL IMPACT ANALYSIS:

The project is set to deliver significant positive environmental impacts, contributing to the preservation and enhancement of the region's natural ecosystem. By focusing on the conservation of indigenous species and

habitats, the project will help maintain and boost biodiversity, ensuring the survival of various native flora and fauna. Habitat restoration efforts will improve the ecological health of the area, promoting a balanced and resilient environment. The implementation of sustainable practices, such as the use of eco-friendly materials and renewable energy sources, will minimize the project's carbon footprint and set a benchmark for environmental responsibility. Moreover, the project will control and manage invasive species, protecting native biodiversity and enhancing ecosystem stability. The development of educational and research facilities will raise awareness and foster a culture of conservation among visitors, encouraging them to adopt environmentally friendly practices. Enhanced waste management and water conservation measures will further protect the local environment, ensuring that the natural beauty and ecological integrity of Changa Manga and Wetlands (Uchali and Chashma) are preserved for future generations. Overall, the project represents a comprehensive approach to environmental stewardship, balancing human enjoyment with the imperative to protect and sustain the natural world.

### 11.3 ECONOMIC ANALYSIS:

The project is anticipated to have a substantial positive economic impact on the local community and the broader region. By transforming the garden into a premier ecotourism destination, the project will attract a significant influx of visitors, boosting local tourism and generating substantial revenue. This increase in visitor numbers will stimulate local businesses, including hotels, restaurants, and retail shops, creating a ripple effect of economic growth. The development of new attractions and amenities, such as glamping pods, tree houses, and an elevated ungulate safari, will create numerous job opportunities in construction, park management, hospitality, and tourism services, contributing to a reduction in local unemployment rates. Additionally, the project will support local artisans and vendors by encouraging the sale of local products, further boosting the income of local families. The state-of-the-art research center will attract researchers and students, leading to increased spending on accommodation and other services. Moreover, the project’s focus on sustainable practices will enhance the region’s appeal as an eco-friendly destination, attracting environmentally conscious tourists and investors. Overall, the economic analysis indicates that the project will provide a steady stream of revenue, create jobs, support local businesses, and promote sustainable economic development, delivering long-term economic benefits to the region.

### 11.4 FINANCIAL ANALYSIS:

The financial analysis of the project underscores its potential for delivering substantial financial benefits and ensuring long-term sustainability. The initial investment in infrastructure development, including the construction of glamping pods, tree houses, elevated ungulate safaris, and a state-of-the-art research center, represents a significant outlay. However, this expenditure is expected to yield high returns through increased visitor numbers and tourism revenue. Entrance fees, guided tours, and educational program fees will generate a steady stream of income, which can be reinvested into the garden's upkeep and further development.

The project's focus on sustainable tourism will attract eco-conscious visitors, leading to higher occupancy rates for the unique accommodations and increased spending on local services and products. Additionally, the establishment of the research center will attract funding and grants from academic institutions and environmental organizations, further bolstering the financial stability of the project. By implementing eco-friendly practices, the project will also reduce operational costs over time, such as energy and waste management expenses, thereby improving financial efficiency.

Moreover, the economic upliftment of the local community through job creation and support for local businesses will result in a more vibrant local economy, indirectly boosting the garden’s financial health through increased local spending and support. The financial analysis highlights that while the initial costs are significant, the long-term revenue generation, cost savings from sustainable practices, and economic benefits to the local community will ensure the project's financial viability and sustainability, making it a sound investment for the future.

## 12. IMPLEMENTATION SCHEDULE

### 12.1 IMPLEMENTATION SCHEDULE/GANTT CHART:

The project will be implemented w.e.f the date of approval to 30.06.2026.

### 12.2 RESULT BASED MONITORING (RBM) INDICATORS:

As enclosed in relevant annexure.

### 12.3 IMPLEMENTATION PLAN:

As enclosed in relevant annexure.

### 12.4 M&E PLAN:

The regular monitoring of the project during the implementation phase will be conducted by the PM&E wing of the wildlife department and DG M&E, while the evaluation of the project will be done by the Directorate General Monitoring & Evaluation, Planning & Development Department.

### 12.5 RISK MITIGATION PLAN:

As enclosed in relevant annexure.

### 12.6 PROCUREMENT PLAN:

As enclosed in relevant annexure.

## 13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

Director General, Wildlife & Parks, Punjab being Head of Department will be the overall incharge of the project during its implementation. The Project Director PMU, Wildlife & Parks Department shall be the Project incharge and responsible for its implementation. The Planning & Development Board will undertake the final evaluation after its completion.

## 14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

Not applicable

## 15. CERTIFICATE

**Focal Person Name:**Saba Adil

**Designation:**Project Director PMU, Punjab Wildlife Department

**Email:**

**Tel. No.:**

**Fax No:**

**Address:**Office of the Project Director Project Management Unit, Punjab Wildlife Department, 28-Aibak Block, New Garden Town, Lahore.

Certificate

Certified that the project has been prepared as per instructions issued by the Planning Commission for the preparation of PC-I Project.

PREPARED BY:

(USMAN ALI)
SENIOR MANAGER PROJECTS
PROJECT MANAGEMENT UNIT,
PUNJAB WILDLIFE AND PARKS
DEPARTMENT

CHECKED BY:

(SABA ADIL)
PROJECT DIRECTOR PROJECT
MANAGEMENT UNIT, PUNJAB WILDLIFE
AND PARKS DEPARTMENT

COUNTERSIGNED BY:

(MUDDASSIR RIAZ MALIK)
DIRECTOR GENERAL WILDLIFE &
PARKS, PUNJAB
(042-99212367)

APPROVED BY:

(MUDDASIR WAHEED MALIK)
SECRETARY FORESTRY, WILDLIFE &
FISHERIES DEPARTMENT
(042-99211695, 99212361)


Page 24

## 18. RELATION WITH OTHER PROJECTS

## 20. FOCUS ON MARGINALISATION

| SR.NO. | CRITERIA | YES/NO | ACTION | COMMENTS |
|---|---|---|---|---|
| **Description & Objectives** | | | | |
| 1 | Do the description / Objectives of the PC-I specify link / alignment with provincial strategies and sectoral policies? | YES | SDGs, Punjab Growth Strategy | |
| **Use of Gender Disaggregated Data** | | | | |
| 1 | Was gender disaggregated data used to determine rationale / need of the project for select beneficiaries? | NO | | the project caters to all genders for the development of ecotourism in punjab. therefore, specific need assessment was not conducted, however, generally all gender are accommodated. |
| **Social Impact** | | | | |
| 1 | Do project objectives/justification include focus on marginalised groups (women, PWDs, minorities, transgender, poor etc.)? | YES | Others (Please specify) | no quota has been proposed, however, the envisioned project aims to develop eco-tourism in remote areas, whereby it will benefit the marginalized groups such as women. |
| 1a | Have marginalised groups (Women, PWDs, Minorities, Transgender Persons, Poor etc.) been included in project objectives / justification and / or as beneficiaries of the project? | YES | Implied | no quota has been proposed, however, the envisioned project aims to develop eco-tourism in remote areas, whereby it will benefit the marginalized groups such as women. |
| 1b | If yes, does the PC-1 specify a specific quota/percentage for the marginalised (women, PWDs, etc.)? | NO | | no quota has been proposed, however, the envisioned project aims to develop eco-tourism in remote areas, whereby it will benefit the marginalized groups such as women. |
| 2 | Does the PC-1 include specific provisions for capacity building / training of marginalised group (if applicable)? | NO | | the project does not include any training components for the communities therefore marginalized groups could not be targeted. |
| **Results Based Monitoring** | | | | |

| | | | | |
|---|---|---|---|---|
| 1a | Does the PC-I include a Results Based Monitoring Framework (RBMF)/Logical Framework? | YES | | |
| 1b | Does the Framework include measurable targets / indicators relating to impact on marginalised groups? | YES | Others (Please specify) | yes, the rbm ( result based monitroing) framework has been included in the pc-1 to provide measuring tool against targets. |
| 2 | Were SDG indicators used for determining targets included in the PC-I? | NO | 15- Life On Land | the project caters to the sgd of life on land as it will focus on protecting and promoting biodiversity and protecting its habitat while developing sustainable use. |
| **Inculsion/Participation** | | | | |
| 1 | Did the Stakeholder consultation(s) held during ADP Formulation and / or PC-I development include experts and representatives of marginalised groups and CSOs? | YES | Others (Please specify) | yes, the project has been proposed after stakeholder consultations with relevant experts of the field. |
| **Monitoring & Evaluation** | | | | |
| 1 | Does the project provide a role to communities in project monitoring and/or implementation (if relevant)? | NO | | the monitoring and evaluation role has been envisioned for the specified department such as dg m&e as it is a matter of technical nature. |
| 2a | Does the project include formation of a Steering Committee and/or Project Implementation Committiees? | YES | | |
| 2b | Is there a provision to ensure representation of women in these committees? | NO | | |

# AREA STATEMENT

## CHANGA MANGA WILDLIFE RESERVE KASUR

This Project is going to be implemented in the Changa Manga Wildlife Park, was initially a Wildlife Sanctuary and situated at a distance of about 70km from Lahore in District Kasur. A wildlife park was developed on 40-acre chunk of this plantation in 1983 with the objectives to provide recreational facility and awareness to general public regarding importance of wildlife and its conservation. Another objective was to facilitate eco-tourism in the area. The park as well as wildlife reserve have enormous potential for eco-tourism, hence, its master planning and implementation for eco-tourism has been conceived through the current project. The existing facilities will be improved through this project along with addition of nature-based tourism interventions to achieve the objectives for its declaration as wildlife reserve and the center for Eco Tourism in the Out Skirts of the Lahore.

## WETLAND UCHALI

The eco-tourism potential of Uchali wetlands complex is remained under consideration for eco-tourism developments but not yet materialized. Therefore, the same has also been included in the project for eco-tourism developments in order to present it for an excellent tourist attraction being a heaven for avian species particularly migratory waterfowls.
Uchali is a saltwater lake in Soan Sakaser Valley in the southern Salt Range area in the province of Punjab, Pakistan.
Sakaser, the highest mountain in the Salt Range at 1525 meters looms over the lake.
Due to its saline water, the lake does not support marine life, but it offers picturesque scenery. Boats are available.
The lake is part of the Uchali Complex, which also includes two other brackish to saline lakes: Khabikki Lake, and Jahlar Lakes. The Uchali Complex was designated a Ramsar site on March 22, 1996.

## WETLAND – CHASHMA

Chashma Barrage is located in Mianwali District, Punjab, Pakistan. It was declared open to the public in 1972. Since the 1970s, the population of the Indus River dolphins has significantly increased there. It is a very important breeding and wintering area for wide variety of waterfowl regularly 20000 birds it is the largest preservation area for endangered Indus dolphins. The official wildlife sanctuaries in this district as per record of the wildlife department are Chashma Lake spread over 81,750 acres; these sanctuaries receive every year thousands of migratory birds coming from Siberia. Besides migratory birds, the plantation sanctuaries have in abundance white and black partridges, quails, wild bores, jackals, foxes, wolves and rabbits.
The sanctuary has great potential for the development of eco-tourism in this part of Pakistan. Blind dolphins, an endemic species of the Indus River, can be observed here.

# CONSERVANCY & WORKS

(Rs. in million)

| Sr. No. | Items | Unit | QTY | 2024-25 | 2025-26 | Total |
|---|---|---|---|---|---|---|
| **CHANGA MANGA** | | | | | | |
| **GENRAL ACTIVITY ZONE** | | | | | | |
| 1. | Parking for 250 Vehicles each (Total 500 Vehicles). | Nos. | 2 | - | 55.000 | 55.000 |
| 2. | Main Gate | Nos. | 1 | - | 40.460 | 40.460 |
| 3. | Information Centre | Kanal | 1.7 | - | 144.810 | 144.810 |
| 4. | Research Centre | Kanal | 1.4 | - | 74.010 | 74.010 |
| 5. | Residential Facility (Dorms) for Research Centre | Marla | 10 | - | 20.480 | 20.480 |
| 6. | Botanical Bird Paradise with Butterfly Garden | Kanal | 6 | - | 350.000 | 350.000 |
| 7. | Floor Mounted Fountains Area | Kanal | 4 | - | 108.000 | 108.000 |
| 8. | Tuck Shops near Fountains Area | Marla | 5 | - | 12.500 | 12.500 |
| 9. | Mini Village | Marla | 14 | - | 25.030 | 25.030 |
| 10. | Main Restaurant | Kanal | 3 | - | 82.460 | 82.460 |
| 11. | Rest Rooms Block (6+6) near Fountain Area | Nos. | 1 | - | 16.250 | 16.250 |
| 12. | Rest Rooms Block (6+6) near Restaurant Area | Nos. | 1 | - | 16.250 | 16.250 |
| 13. | Construction of Café's | Nos | 2 | - | 25.000 | 25.000 |
| 14. | Mini Zoo | Kanal | 2.2 | - | 24.750 | 24.750 |
| 15. | Heritage Walk | Rft | 223 | - | 20.000 | 20.000 |
| 16. | Craft Bazaar (9 Shops) | Nos. | 9 | - | 25.000 | 25.000 |
| 17. | Amphitheatre | Kanal | 4.4 | - | 100.000 | 100.000 |
| 18. | Picnic Area Development | Kanal | 1 | - | 3.500 | 3.500 |
| 19. | Rest Rooms Block (3+3) near Amphitheatre | Nos. | 1 | - | 7.500 | 7.500 |
| 20. | Animal Enclosures | Kanal | 17 | - | 100.000 | 100.000 |
| 21. | Development of Mini Forest | Kanal | 35.7 | - | 20.000 | 20.000 |
| **SAFARI ZONE** | | | | | | |
| 22. | Main Gate | Nos. | 1 | - | 37.500 | 37.500 |
| 23. | Ticketing Counter | Nos. | 1 | - | 5.330 | 5.330 |
| 24. | Tram Station near Main Safari Gate along with Charging Station Civil and Allied Works. | Nos. | 1 | - | 65.000 | 65.000 |

| Sr. No. | Items | Unit | QTY | 2024-25 | 2025-26 | Total |
|---|---|---|---|---|---|---|
| 25. | Tram Station near Jungle Safari Café | Nos. | 1 | - | 45.000 | 45.000 |
| 26. | Jeep Parking for 5 Vehicles | Kanal | 2 | - | 2.700 | 2.700 |
| 27. | Jungle Safari Mini Gate | Nos. | 1 | - | 15.000 | 15.000 |
| 28. | Immersive Tunnel (paintings) on Tram Track | Rft | 150 | - | 70.000 | 70.000 |
| 29. | Watch Towers | Nos. | 8 | - | 40.000 | 40.000 |
| 30. | Jeep Track Rehabilitation (km) | Km | 5.7 | - | 28.500 | 28.500 |
| 31. | Jungle Safari Café | Nos. | 1 | - | 5.810 | 5.810 |
| **ADVENTURE ZONE** | | | | | | |
| 32. | Elevated Canopy Walkway (metres) | RM | 400 | - | 220.000 | 220.000 |
| 33. | Ticketing Counter | Nos. | 1 | - | 5.330 | 5.330 |
| 34. | Sitting Area | Marla | 10 | - | 6.250 | 6.250 |
| 35. | Medical Centre | Marla | 4.5 | - | 12.940 | 12.940 |
| **LAKE ZONE** | | | | | | |
| 36. | Eco Tourism Gate with Reception Area | Nos. | 1 | - | 40.000 | 40.000 |
| 37. | Ticketing Counter | Nos. | 1 | - | 5.330 | 5.330 |
| 38. | Parking for EVs near Corporate Meeting Hall | Marla | 10 | - | 2.700 | 2.700 |
| 39. | Corporate Meeting Hall | Kanal | 1.3 | - | 55.350 | 55.350 |
| 40. | Floating Restaurant | Marla | 15 | - | 149.530 | 149.530 |
| 41. | Ecolodges Single Bed | Nos. | 3 | - | 57.000 | 57.000 |
| 42. | Ecolodges Double Bed | Nos. | 2 | - | 58.000 | 58.000 |
| 43. | Parking for EVs near Eco Tourism Club | Marla | 10 | - | 2.700 | 2.700 |
| 44. | Watch Tower | Nos. | 4 | - | 20.000 | 20.000 |
| 45. | Glamping Pods single bed | Nos. | 3 | - | 25.000 | 25.000 |
| 46. | Glamping Pods double bed | Nos. | 2 | - | 25.000 | 25.000 |
| 47. | Provision of Solar Facility | Nos. | 1 | - | 25.000 | 25.000 |
| 48. | Admin Block for Eco Lodges Zone | Marla | 10 | - | 20.000 | 20.000 |
| 49. | Boundary Wall Fence | Km | 5 | - | 23.790 | 23.790 |
| 50. | Complete Utilities Infrastructure Works WS/Sewerage | Job | Job | - | 150.000 | 150.000 |
| 51. | Complete Electrical and Electrical Distribution Works | Job | Job | - | 249.760 | 249.760 |
| 52. | Complete Fire Fighting and Fire Protection Works | Job | Job | - | 3.000 | 3.000 |
| 53. | Complete IT works | Job | Job | - | 419.636 | 419.636 |
| 54. | Changa Manga Staff Residential Quarters | Nos. | 6 | - | 50.000 | 50.000 |
| 55. | Construction of new Electric Tram Charging Station | Job | 1 | - | 39.430 | 39.430 |
| 56. | Construction of new Electric Tram Track | Job | 1 | - | 649.070 | 649.070 |
| | | | **TOTAL "A"** | **-** | **3900.656** | **3900.656** |

| Sr. No. | Items | Unit | QTY | 2024-25 | 2025-26 | Total |
|---|---|---|---|---|---|---|
| **CHASHMA** | | | | | | |
| **Zone – I** | | | | | | |
| 1. | Link Road to Connect DI Khan Road to Gernali Road | Km | 1.3 | - | 19.500 | 19.500 |
| 2. | Access Road from Gernali Road to Chashma Ecotourism Zone | Km | 1 | - | 12.000 | 12.000 |
| 3. | Parking for 100 Vehicles and 50 Motorcycles | Kanal | 10 | - | 25.310 | 25.310 |
| 4. | Rest Rooms Block (6+6) Near Parking | Nos. | 1 | - | 16.800 | 16.800 |
| 5. | Rest Rooms Block (6+6) Near Restaurant | Nos. | 1 | - | 16.800 | 16.800 |
| 6. | Information Centre | Kanal | 2.2 | - | 50.380 | 50.380 |
| 7. | Kids Play Zone Area – Dolphin Theme. | Kanal | 5 | - | 80.000 | 80.000 |
| 8. | Restaurant. | Kanal | 2 | - | 74.400 | 74.400 |
| 9. | Boating Deck | Nos. | 1 | - | 10.000 | 10.000 |
| 10. | Fishing Deck | Nos. | 1 | - | 10.000 | 10.000 |
| 11. | Ecolodges Single Bed | Nos. | 3 | - | 57.000 | 57.000 |
| 12. | Ecolodges Double Bed | Nos. | 2 | - | 58.000 | 58.000 |
| 13. | Admin Block | Marla | 10 | - | 17.500 | 17.500 |
| 14. | Boundary Wall Fence | Km | 3.8 | - | 21.820 | 21.820 |
| 15. | Complete Utilities Infrastructure Works WS/Sewerage | Job | | - | 75.000 | 75.000 |
| 16. | Complete Electrical and Electrical Distribution Works | Job | | - | 174.110 | 174.110 |
| 17. | Complete Fire Fighting and Fire Protection Works | Job | | - | 11.060 | 11.060 |
| 18. | Provision of Solar Facility | Nos. | 1 | - | 10.000 | 10.000 |
| 19. | Complete IT works | Job | | - | 86.955 | 86.955 |
| | | | **TOTAL "B"** | **-** | **826.635** | **826.635** |
| **UCHALI** | | | | | | |
| **Zone – I** | | | | | | |
| 1. | Parking for 100 vehicles and 50 Motorcycles including Cat eyes and speed breakers on Main Road as per Master Plan. | Kanal | 10 | - | 25.000 | 25.000 |
| 2. | Rest rooms Block (6+6) near Parking | Nos. | 1 | - | 16.800 | 16.800 |
| 3. | Information Centre | Kanal | 1 | - | 67.500 | 67.500 |
| 4. | Cultural Bazaar | Kanal | 2 | - | 14.090 | 14.090 |
| 5. | Restaurant | Kanal | 1 | - | 76.500 | 76.500 |
| 6. | Photographic Deck | Nos. | 1 | - | 10.000 | 10.000 |
| 7. | Painting Spots | Nos. | 2 | - | 10.000 | 10.000 |
| 8. | Boating Deck | Nos. | 1 | - | 10.000 | 10.000 |
| **Zone-II** | | | | | | |

| Sr. No. | Items | Unit | QTY | 2024-25 | 2025-26 | Total |
|---|---|---|---|---|---|---|
| 9. | Ecolodges Single Bed | Nos. | 3 | - | 57.000 | 57.000 |
| 10. | Ecolodges Double Bed | Nos. | 2 | - | 58.000 | 58.000 |
| 11. | Glamping Pods Single Bed | Nos. | 3 | - | 30.000 | 30.000 |
| 12. | Glamping Pods Double Bed | Nos. | 2 | - | 30.000 | 30.000 |
| 13. | Star Gazing Tower | Nos. | 1 | - | 6.500 | 6.500 |
| 14. | Kids Play zone Area Near Ecolodges | Kanal | 2 | - | 2.500 | 2.500 |
| 15. | Boating Deck | Nos. | 1 | - | 10.000 | 10.000 |
| 16. | Boundary Fencing | Rft | 1 | - | 18.700 | 18.700 |
| 17. | Watch Towers/Security Towers | Nos | 4 | - | 20.000 | 20.000 |
| 18. | Landscaping Area | Kanal | - | - | 10.000 | 10.000 |
| 19. | Admin Block | Marla | 10 | - | 17.500 | 17.500 |
| 20. | Complete Utilities Infrastructure Works WS/Sewerage | Job | 1 | - | 50.000 | 50.000 |
| 21. | Complete Electrical and Electrical Distribution Works | Job | 1 | - | 202.000 | 202.000 |
| 22. | Complete Fire Fighting and Fire Protection Works | Job | 1 | - | 8.440 | 8.440 |
| 23. | Provision of Solar Facility | Job | 1 | - | 10.000 | 10.000 |
| 24. | Complete IT works | Job | 1 | - | 100.392 | 100.392 |
| **TOTAL "C"** | | | | **-** | **860.922** | **860.922** |
| **TOTAL (A+B+C)** | | | | **-** | **5588.213** | **5588.213** |
| PRA TAX @ 5% OF CIVIL AND CONSERVANCY WORKS | | | | - | 279.411 | 279.411 |
| CONTINGENCY @ 2% OF CIVIL AND CONSERVANCY WORKS | | | | - | 111.764 | 111.764 |
| **TOTAL CIVIL AND CONSERVANCY WORKS** | | | | **-** | **5979.388** | **5979.388** |
| DESIGN CONSULTANCY @ 2% INCLDUING SURVEYS | | | | - | 119.588 | 119.588 |
| RESIDENT SUPERVISION CONSULTANCY @ 1% OF CIVIL AND CONSERVANCY WORKS | | | | - | 59.794 | 59.794 |
| **TOTAL CONSULTANCY COST** | | | | **-** | **179.382** | **179.382** |
| **GRAND TOTAL** | | | | **-** | **6158.770** | **6158.770** |

Note: A consultant firm will be hired as per PPRA Rules being a time bound project.

# MACHINERY, TOOLS, STORES AND EQUIPMENTS

(Rs. in million)

| Sr. No. | Description | Qty. (Nos.) | Per Unit Cost (PKR) | 2024-25 | 2025-26 | TOTAL |
|---|---|---|---|---|---|---|
| **CHANGA MANGA** | | | | | | |
| 1 | Portable Transportation cages (light weight) for recovery of sick animal that could be mounted on single pickup. | 4 | 667,500.00 | - | 2.670 | 2.670 |
| 2 | Capturing cage for Mammals | 5 | 544,000.00 | - | 2.720 | 2.720 |
| 3 | Transportation Cages for Birds | 10 | 200,000.00 | - | 2.000 | 2.000 |
| 4 | Cages for Capturing / Transportation of Small Mammals. | 6 | 500,000.00 | - | 3.000 | 3.000 |
| 5 | Tranquilizer Gun RD 706 | 1 | 800,000.00 | - | 0.800 | 0.800 |
| 6 | Teledart with accessories or equivalent | 1 | 700,000.00 | - | 0.700 | 0.700 |
| 7 | Drone Cameras 12 MP | 2 | 500,000.00 | - | 1.000 | 1.000 |
| 8 | Walky-talky sets with accessories (01 No for vehicle with accessories). | 15 | 100,000.00 | - | 1.50 | 1.50 |
| 9 | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V , Frequency 50~60 Hz. | 3 | 1,800,000.00 | - | 5.40 | 5.40 |
| 10 | Generator 50 KVA brand new Perkins /Volvo diesel generator or equivalent with sound proof canopy and battery price. | 2 | 5,000,000.00 | - | 10.00 | 10.00 |
| 11 | Desktop Computers, Intel Corei9, 12thGen, 3.4GHz, Cache 8MB, 8core, RAM-32GB DDR 4dual channel 2133MHz, Hard Disk- | 2 | 500,000.00 | - | 1.00 | 1.00 |

| Sr. No. | Description | Qty. (Nos.) | Per Unit Cost (PKR) | 2024-25 | 2025-26 | TOTAL |
|---|---|---|---|---|---|---|
| | 1TB SATAHDD 7200rpm, 256-Bit, Memory Interface 1Xhdmi 1Xdp, Multi-format DVD Writer or higher specs, with standard key board and mouse, equivalent or above. | | | | | |
| 12 | LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI&VGA Connectivity | 2 | 150,000.00 | - | 0.30 | 0.30 |
| 13 | Office Furniture for Admin Block, Corporate Meeting Hall, Research Centre, Information Centre & Offices of Wildlife Staff | LS | 50,000,000.00 | - | 50.00 | 50.00 |
| 14 | Kitchen utensils and accessories for office use | LS | 500,000.00 | - | 0.50 | 0.50 |
| 15 | Simple Binoculars + Night vision | 2 | 100,000.00 | - | 0.20 | 0.20 |
| 16 | Binoculars | 2 | 150,000.00 | | 0.30 | 0.30 |
| 17 | Large Nets for Capturing Animals. | 3 | 333,333.00 | - | 1.00 | 1.00 |
| 18 | Photocopier | 1 | 300,000.00 | - | 0.30 | 0.30 |
| 19 | Colour Printer HP latest model or equivalent. | 1 | 200,000.00 | - | 0.20 | 0.20 |
| 20 | Multimedia Projector (2500 Lumens) with Screen latest model | 1 | 1,000,000.00 | - | 1.00 | 1.00 |
| 21 | Motion Detector Cameras | 5 | 66,667.00 | - | 0.33 | 0.33 |
| 22 | Binoculars (Nikon) (16 x 50) or equivalent | 5 | 100,000.00 | - | 0.50 | 0.50 |
| 23 | Spotting Scope 80x60 or higher resolution with tripod stand. | 1 | 1,000,000.00 | - | 1.00 | 1.00 |
| 24 | Photography Equipment’s | LS | 2,000,000.00 | - | 2.00 | 2.00 |
| 25 | Refrigerators | 2 | 250,000.00 | - | 0.50 | 0.50 |
| 26 | Single Door Refrigerator | 1 | 333,333.00 | - | 0.33 | 0.33 |
| 27 | Microwave Oven | 5 | 50,000.00 | - | 0.250 | 0.250 |

| Sr. No. | Description | Qty. (Nos.) | Per Unit Cost (PKR) | 2024-25 | 2025-26 | TOTAL |
|---|---|---|---|---|---|---|
| 28 | Bush Cutter i/c all accessories | 5 | 100,000.00 | - | 0.50 | 0.50 |
| 29 | Search Lights & Safety dress / gears & mics. Safety Equipment's | 6 | 166,667.00 | - | 1.00 | 1.00 |
| 30 | Outdoor Public Water Dispenser | 5 | 300,000.00 | - | 1.50 | 1.50 |
| 31 | Electrician Tool Kit i/c all accessories | 1 | 200,000.00 | - | 0.20 | 0.20 |
| 32 | Welding Plant | 1 | 500,000.00 | - | 0.50 | 0.50 |
| 33 | Wheel Chairs | 30 | 120,000.00 | - | 3.60 | 3.60 |
| **Total "A":** | | | | - | **96.800** | **96.800** |
| **UCHALI-WETLAND** | | | | | | |
| 1 | Drone Cameras 12mp | 2 | 500,000.00 | - | 1.00 | 1.00 |
| 2 | Walky-talky sets with accessories (01 No for vehicle with accessories). | 15 | 100,000.00 | - | 1.50 | 1.50 |
| 3 | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V , Frequency 50~60 Hz. | 1 | 1,800,000.00 | - | 1.80 | 1.80 |
| 4 | Simple Binoculars + Night vision | 2 | 100,000.00 | - | 0.20 | 0.20 |
| 5 | Binoculars | 2 | 150,000.00 | - | 0.30 | 0.30 |
| 6 | Bush Cutter i/c all accessories | 5 | 100,000.00 | - | 0.50 | 0.50 |
| 7 | Search Lights & Safety dress / gears & mics. Safety Equipment's | 6 | 166,667.00 | - | 1.00 | 1.00 |
| 8 | Outdoor Public Water Dispenser | 3 | 300,000.00 | - | 0.90 | 0.90 |
| 9 | Electrician Tool Kit i/c all accessories | 1 | 200,000.00 | - | 0.20 | 0.20 |
| 10 | Wheel Chairs | 10 | 50,000.00 | - | 0.50 | 0.50 |
| **Total "B":** | | | | - | **7.90** | **7.90** |
| **CHASMA-WETLAND** | | | | | | |
| 1 | Drone Cameras 12mp | 2 | 500,000.00 | - | 1.00 | 1.00 |

| Sr. No. | Description | Qty. (Nos.) | Per Unit Cost (PKR) | 2024-25 | 2025-26 | TOTAL |
|---|---|---|---|---|---|---|
| 2 | Walky-talky sets with accessories (01 No for vehicle with accessories). | 15 | 100,000.00 | - | 1.50 | 1.50 |
| 3 | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V , Frequency 50~60 Hz. | 1 | 1,800,000.00 | - | 1.80 | 1.80 |
| 4 | Simple Binoculars + Night vision | 2 | 100,000.00 | - | 0.20 | 0.20 |
| 5 | Binoculars | 2 | 150,000.00 | - | 0.30 | 0.30 |
| 6 | Bush Cutter i/c all accessories | 5 | 100,000.00 | - | 0.50 | 0.50 |
| 7 | Search Lights & Safety dress / gears & mics. Safety Equipment's | 6 | 166,667.00 | - | 1.00 | 1.00 |
| 8 | Outdoor Public Water Dispenser | 3 | 300,000.00 | - | 0.90 | 0.90 |
| 9 | Electrician Tool Kit i/c all accessories | 1 | 200,000.00 | - | 0.20 | 0.20 |
| 10 | Wheel Chairs | 10 | 50,000.00 | - | 0.50 | 0.50 |
| 11 | Fiberglass 8 seats Speed Boat. Size(L*W*H), 520*170*80cm | 2 | 10,000,000.00 | - | 20.00 | 20.00 |
| **Total "C":** | | | | - | **27.90** | **27.90** |
| **GRAND TOTAL (A+B+C)** | | | | - | **132.600** | **132.600** |

# COST OF ESTABLISHMENT CHANGA MANGA

**Rs (In Million)**

| S. No. | Name of Post | PPS | No. of Posts | Gross Monthly Salary | 2024-25 | 2025-26 (12-months) | Total |
|---|---|---|---|---|---|---|---|
| 1 | Senior Manager Wildlife | PPS-08 | 1 | 0.300 | - | 3.600 | 3.600 |
| 2 | Security Manager | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 3 | Manager, Experience Development | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 4 | Manager Horticulture | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 5 | Manager Administration | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 6 | IT Support Specialist | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 7 | Assistant Manager Administration | PPS-06 | 1 | 0.150 | - | 1.800 | 1.800 |
| 8 | Document Controller | PPS-06 | 1 | 0.150 | - | 1.800 | 1.800 |
| 9 | Animal Keeper | PPS-05 | 4 | 0.100 | - | 4.800 | 4.800 |
| 10 | Wildlife Guide | PPS-05 | 4 | 0.100 | - | 4.800 | 4.800 |
| 11 | Electrician | PPS-05 | 1 | 0.100 | - | 1.200 | 1.200 |
| 12 | EV Captain | PPS-04 | 10 | 0.080 | - | 9.600 | 9.600 |
| 13 | Tram Driver | PPS-04 | 3 | 0.080 | - | 2.880 | 2.880 |
| 14 | Welder | PPS-04 | 1 | 0.080 | - | 0.960 | 0.960 |
| 15 | Office Attendant | PPS-02 | 1 | 0.050 | - | 0.600 | 0.600 |
| 16 | Gardener | PPS-02 | 6 | 0.050 | - | 3.600 | 3.600 |
| 17 | Guard | PPS-02 | 10 | 0.050 | - | 6.000 | 6.000 |
| 18 | Janitor | PPS-02 | 4 | 0.050 | - | 2.400 | 2.400 |
| | | Sub-Total: | **52** | **-** | **-** | **59.040** | **59.040** |
| **HR POSITIONS FOR RESEARCH CENTER** | | | | | | | |
| 1 | Senior Scientific Officer | PPS-09 | 1 | 0.400 | - | 4.800 | 4.800 |
| 2 | Biodiversity Specialist | PPS-08 | 1 | 0.300 | - | 3.600 | 3.600 |
| 3 | Geneticist | PPS-08 | 1 | 0.300 | - | 3.600 | 3.600 |

| S. No. | Name of Post | PPS | No. of Posts | Gross Monthly Salary | 2024-25 | 2025-26 (12-months) | Total |
|---|---|---|---|---|---|---|---|
| 4 | Microbial Data Analyst | PPS-08 | 1 | 0.300 | - | 3.600 | 3.600 |
| 5 | Plant Biologist | PPS-08 | 1 | 0.300 | - | 3.600 | 3.600 |
| 6 | Plant Biotechnologist | PPS-08 | 1 | 0.300 | - | 3.600 | 3.600 |
| 7 | Research Collaboration Coordinator | PPS-08 | 1 | 0.300 | - | 3.600 | 3.600 |
| 8 | IT Support Specialist | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 9 | Geospatial Analyst | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 10 | Lab Technician | PPS-06 | 2 | 0.150 | - | 3.600 | 3.600 |
| | | Sub-Total: | **11** | **-** | **-** | **36.000** | **36.000** |
| | | **Total "A":** | **63** | **-** | **-** | **95.040** | **95.040** |
| **COST OF ESTABLISHMENT CHASHMA** | | | | | | | |
| 1 | Senior Manager Wildlife | PPS-08 | 1 | 0.300 | - | 3.600 | 3.600 |
| 2 | Security Manager | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 3 | Manager Administration | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 4 | IT Support Specialist | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 5 | Document Controller | PPS-06 | 1 | 0.150 | - | 1.800 | 1.800 |
| 6 | Electrician | PPS-05 | 1 | 0.100 | - | 1.200 | 1.200 |
| 7 | Office Attendant | PPS-02 | 1 | 0.050 | - | 0.600 | 0.600 |
| 8 | Gardener | PPS-02 | 2 | 0.050 | - | 1.200 | 1.200 |
| 9 | Guard | PPS-02 | 5 | 0.050 | - | 3.000 | 3.000 |
| 10 | Janitor | PPS-02 | 3 | 0.050 | - | 1.800 | 1.800 |
| | | **Total "B":** | **17** | **-** | **-** | **22.200** | **22.200** |
| **COST OF ESTABLISHMENT UCHALI** | | | | | | | |
| 1 | Senior Manager Wildlife | PPS-08 | 1 | 0.300 | - | 3.600 | 3.600 |
| 2 | Security Manager | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 3 | Manager Administration | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |
| 4 | IT Support Specialist | PPS-07 | 1 | 0.250 | - | 3.000 | 3.000 |

| S. No. | Name of Post | PPS | No. of Posts | Gross Monthly Salary | 2024-25 | 2025-26 (12-months) | Total |
|---|---|---|---|---|---|---|---|
| 5 | Document Controller | PPS-06 | 1 | 0.150 | - | 1.800 | 1.800 |
| 6 | Electrician | PPS-05 | 1 | 0.100 | - | 1.200 | 1.200 |
| 7 | Office Attendant | PPS-02 | 1 | 0.050 | - | 0.600 | 0.600 |
| 8 | Gardener | PPS-02 | 2 | 0.050 | - | 1.200 | 1.200 |
| 9 | Guard | PPS-02 | 5 | 0.050 | - | 3.000 | 3.000 |
| 10 | Janitor | PPS-02 | 3 | 0.050 | - | 1.800 | 1.800 |
| | | **Total "C":** | **17** | **-** | **-** | **22.200** | **22.200** |
| **Total "A+B+C"** | | | **97** | | | **139.440** | **139.440** |

# COMMODITIES & SERVICES

(Rs. in million)

| Sr. No. | Item | 2024-25 | 2025-26 | Total |
|---|---|---|---|---|
| **CHANGA MANGA** | | | | |
| 1. | Holding of Seminars, Trainings & field visits | - | 10.000 | 10.000 |
| 2. | Cost of Feed for Animals / Birds | - | 25.000 | 25.000 |
| 3. | Cost of Chemical and Medicines | - | 5.000 | 5.000 |
| 4. | Electricity charges | - | 29.000 | 29.000 |
| 5. | P.O.L. charges | - | 2.500 | 2.500 |
| 6. | Rate & Taxes | - | 14.500 | 14.500 |
| 7. | T.A (L.S) | - | 8.000 | 8.000 |
| 8. | Stationary Charges | - | 4.000 | 4.000 |
| 9. | Printing & Publications (L.S) | - | 14.000 | 14.000 |
| 10. | Transport (Repair) | - | 5.000 | 5.000 |
| 11. | Sui Gas Charges | - | 7.000 | 7.000 |
| 12. | Publicity and Advertisement Charges | - | 60.000 | 60.000 |
| 13. | Community Engagement and Marketing | - | 16.000 | 16.000 |
| 14. | Signage & Branding | - | 100.000 | 100.000 |
| 15. | Plantation for the Botanical Green House | - | 80.000 | 80.000 |
| 16. | Horticulture and Landscaping as per approved Design. | - | 25.000 | 25.000 |
| 17. | Purchase of Printing material for E-Ticketing. | - | 11.000 | 11.000 |
| 18. | Others / Unforeseen | - | 10.000 | 10.000 |
| 19. | Awareness Campaign | - | 9.000 | 9.000 |
| 20. | Provision of Sculptures in General Areas | - | 135.000 | 135.000 |
| 21. | Content Creation | - | 60.000 | 60.000 |
| 22. | Purchase of Wildlife Animals & Birds | - | 350.000 | 350.000 |
| 23. | Hiring for provision of Solid Waste Management Services including Labor, Material and Equipment | - | 45.000 | 45.000 |
| 24. | Operation and Maintenance Manual | - | 5.000 | 5.000 |
| | **Total "A":** | **-** | **1030.000** | **1030.000** |

| Sr. No. | Item | 2024-25 | 2025-26 | Total |
|---|---|---|---|---|
| **WETLAND – UCHALI** | | | | |
| 1. | Electricity charges | - | 1.000 | 1.000 |
| 2. | Rate & Taxes | - | 2.000 | 2.000 |
| 3. | T.A (L.S) | - | 1.000 | 1.000 |
| 4. | Printing & Publications (L.S) | - | 2.000 | 2.000 |
| 5. | Sui Gas Charges | - | 0.600 | 0.600 |
| 6. | Publicity and advertisement charges | - | 3.000 | 3.000 |
| 7. | Community Engagement and Marketing | - | 2.000 | 2.000 |
| 8. | Signage & Branding | - | 40.000 | 40.000 |
| 9. | Plantation of Ornamental Plants along Road and Pathways | - | 2.000 | 2.000 |
| 10. | Purchase of Printing material for E-Ticketing. | - | 3.000 | 3.000 |
| 11. | Others / Unforeseen | - | 1.000 | 1.000 |
| 12. | Provision of Sculptures in General Areas | - | 70.000 | 70.000 |
| 13. | Awareness Campaign | - | 3.000 | 3.000 |
| 14. | Acquisition of Land for Uchali (120 Kanals) | - | 293.990 | 293.990 |
| 15. | Hiring for provision of Solid Waste Management Services including Labor, Material and Equipment | - | 15.000 | 15.000 |
| 16. | Operation and Maintenance Manual | - | 5.000 | 5.000 |
| 17. | Habitat Management and Conservation | - | 20.000 | 20.000 |
| 18. | Geofencing and Messaging Campaign Services | - | 25.000 | 25.000 |
| | **Total "B":** | **-** | **489.590** | **489.590** |
| **WETLAND – CHASHMA** | | | | |
| 1. | Electricity charges | - | 1.000 | 1.000 |
| 2. | Rate & Taxes | - | 4.000 | 4.000 |
| 3. | T.A (L.S) | - | 2.000 | 2.000 |
| 4. | Printing & Publications (L.S) | - | 4.000 | 4.000 |
| 5. | Sui Gas Charges | - | 1.000 | 1.000 |
| 6. | Publicity and advertisement charges | - | 3.000 | 3.000 |
| 7. | Signage | - | 60.000 | 60.000 |
| 8. | Plantation of Ornamental Plants along Road and Pathways | - | 4.000 | 4.000 |
| 9. | Purchase of Printing material for E-Ticketing. | - | 3.000 | 3.000 |

| Sr. No. | Item | 2024-25 | 2025-26 | Total |
|---|---|---|---|---|
| 10. | Others / Unforeseen | - | 2.000 | 2.000 |
| 11. | Community Engagement and Marketing | - | 2.000 | 2.000 |
| 12. | Provision of Sculptures in General Areas | - | 90.000 | 90.000 |
| 13. | Awareness Campaign | - | 3.000 | 3.000 |
| 14. | Acquisition of Land for Chashma (90 Kanals, 5 Marla) | - | 102.890 | 102.890 |
| 15. | Hiring for provision of Solid Waste Management Services including Labor, Material and Equipment | - | 20.000 | 20.000 |
| 16. | Operation and Maintenance Manual | - | 5.000 | 5.000 |
| 17. | Geofencing and Messaging Campaign Services | - | 25.000 | 25.000 |
| | | | | |
| | **Total "C":** | **-** | **331.890** | **331.890** |
| | **Grand Total (A+B+C)** | **-** | **1851.480** | **1851.480** |

# TRANSPORT

(Rs. in million)

| Sr. No. | Description | Qty. (Nos.) | Per Unit Cost (PKR) | 2024-25 | 2025-26 | TOTAL |
|---|---|---|---|---|---|---|
| **CHANGA MANGA** | | | | | | |
| 1 | 4x4 Jeep 2.0 L (2000 CC Engine Type Petrol/ Single Turbo Charger/4 Cylinders, Inline Cylinder Configuration, 6000 RPM torque 3210 NM @ 4500 RPM Max Speed 240 Km/H Soft Top Convertible. | 5 | 14,030,060 | - | 70.150 | 70.150 |
| 2 | Purchase of New Electric Tram New Electric Tram Purchase. | 1 | 300,930,000 | - | 300.930 | 300.930 |
| 3 | Motorcycles E-bikes | 8 | 650,000.00 | - | 5.200 | 5.200 |
| 4 | Electric Vehicles | 5 | 10,000,000 | - | 50.000 | 50.000 |
| **Total "A":** | | | | - | **426.280** | **426.280** |
| **UCHALI-WETLAND** | | | | | | |
| 1 | Motorcycles (125 CC) | 2 | 500,000.00 | - | 1.00 | 1.00 |
| **Total "B":** | | | | - | **1.00** | **1.00** |
| **CHASMA-WETLAND** | | | | | | |
| 1 | Motorcycles (125 CC) | 2 | 500,000.00 | - | 1.00 | 1.00 |
| **Total "C":** | | | | - | **1.00** | **1.00** |
| **GRAND TOTAL (A+B+C)** | | | | - | **428.280** | **428.280** |

## SUMMARY OF COST

**(Rs. in million)**

| Appendix No. | Items | 2024-25 | 2025-26 | Total |
|---|---|---|---|---|
| I | Conservancy & Works | - | 6158.770 | 6158.770 |
| II | Machinery, Stores, Tools and Equipment | - | 132.600 | 132.600 |
| III | Transport | - | 428.280 | 428.280 |
| IV | Cost of Establishment | - | 139.440 | 139.440 |
| V | Commodities and Services | - | 1851.480 | 1851.480 |
| **TOTAL:** | | **809.338** | **8710.570** | **8710.570** |

## ANNUAL RECURRING COST

(Rs. in million)

| Sr. No. | Item | Year-I | Year-II | Year-III |
|---|---|---|---|---|
| 1. | Maintenance of physical works. | 78.000 | 85.800 | 94.380 |
| 2. | Maintenance, Machinery & Equipment's, etc. | 13.000 | 14.300 | 15.730 |
| 3. | Contingencies. | 3.900 | 4.290 | 4.720 |
| 4. | Establishment. | 179.400 | 197.340 | 217.070 |
| 5. | Electricity. | 3.250 | 3.580 | 3.940 |
| 6. | POL Charges. | 6.500 | 7.150 | 7.870 |
| 7. | Feed for animals & birds. | 65.000 | 71.500 | 78.650 |
| 8. | Chemical & medicines for Lab and animals / birds. | 6.500 | 7.150 | 7.870 |
| **Total:** | | **355.550** | **391.110** | **430.220** |

# RESULT-BASED MONITORING (RBM) INDICATORS

| SR NO | INPUT | OUTPUT | OUTCOME | | TARGETED IMPACT |
|---|---|---|---|---|---|
| | | | BASELINE INDICATOR | TARGETS AFTER COMPLETION OF PROJECT | |
| 1 | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | Enhance visitors' engagements, Support conservation efforts, strengthen the existing facility | Currently existing facilities are lacking the modern development technologies. | Public will Experience development initiatives in the existing facilities | Increased public awareness and education. Immersive visitor experience. |
| 2 | PROVISION OF NEW ANIMALS. | Providing the Public with versatile animal experience | Currently existing facility has less Animals | Public will experience diversification in animal species | Increased public awareness for animals and increase in public influx. |
| 3 | ADDITION OF NEW FACILTIES | Enhance the Visitor Experience | Currently existing facility has less or no visitor experience. | Public will have a world class visitors experience. | World class visitors experience. |

# BENEFITS / COST RATIO

1. Establishment of In-situ conservation and eco-tourism facilities.

2. Some income is expected through the implementation of this project, which would be earned through sale of surplus stock and auction of facilities like cafeteria, children amusement facilities etc. and direct income through sale of daily entry tickets, electrical tram ride, renting of ecolodges, glamping pods, tree houses, parking fee etc.

3. Captive breeding of the endemic and exotic wildlife species will be facilitated and some of the surplus endemic stock would be released in their natural habitat for strengthening / replenishment of natural wildlife resources.

4. Awareness would be created about the importance of the conservation of Biodiversity, wildlife in particular and environment in general in the local communities as well as the tourists visiting the Park / Murree Hills.

5. Tourist trade would flourish to have a positive effect on the socio-economic condition of the local communities.

6. The project will offer better opportunities to the students of the educational institutions studying in the Environment Life Sciences forestry & wildlife disciplines.

7. Local population will be directly as well as indirectly benefited with the execution of the project through huge anticipated influx of the visitors as well as employment opportunities will be increased.

8. Recreational facilities will be improved.

9. Fencing of the whole project area have great none tangible benefit through enhancement / increase in biodiversity.

# IMPLEMENTATION PLAN
# CONSERVANCY AND WORKS

| Sr. No. | Items | Unit | QTY | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| **CHANGA MANGA** | | | | | | | | | | | | | | | | | | | |
| **GENRAL ACTIVITY ZONE** | | | | | | | | | | | | | | | | | | | |
| 1 | Parking for 250 Vehicles each (Total 500 Vehicles). | Nos. | 2.00 | | | | | | | | | | | | | | | | |
| 2 | Main Gate | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 3 | Information Centre | Kanal | 1.70 | | | | | | | | | | | | | | | | |
| 4 | Research Centre | Kanal | 1.40 | | | | | | | | | | | | | | | | |
| 5 | Residential Facility (Dorms) for Research Centre | Marla | 10.00 | | | | | | | | | | | | | | | | |
| 6 | Botanical Bird Paradise with Butterfly Garden | Kanal | 6.00 | | | | | | | | | | | | | | | | |
| 7 | Floor Mounted Fountains Area | Kanal | 4.00 | | | | | | | | | | | | | | | | |
| 8 | Tuck Shops near Fountains Area | Marla | 5.00 | | | | | | | | | | | | | | | | |
| 9 | Mini Village | Marla | 14.00 | | | | | | | | | | | | | | | | |
| 10 | Main Restaurant | Kanal | 3.00 | | | | | | | | | | | | | | | | |
| 11 | Rest Rooms Block (6+6) near Fountain Area | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 12 | Rest Rooms Block (6+6) near Restaurant Area | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 13 | Construction of Café's | Nos | 2.00 | | | | | | | | | | | | | | | | |

| Sr. No. | Items | Unit | QTY | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 14 | Mini Zoo | Kanal | 2.20 | | | | | | | | | | | | | | | | |
| 15 | Heritage Walk | Rft | 223.00 | | | | | | | | | | | | | | | | |
| 16 | Craft Bazaar (9 Shops) | Nos. | 9.00 | | | | | | | | | | | | | | | | |
| 17 | Amphitheatre | Kanal | 4.40 | | | | | | | | | | | | | | | | |
| 18 | Picnic Area Development | Kanal | 1.00 | | | | | | | | | | | | | | | | |
| 19 | Rest Rooms Block (3+3) near Amphitheatre | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 20 | Animal Enclosures | Kanal | 17.00 | | | | | | | | | | | | | | | | |
| 21 | Development of Mini Forest | Kanal | 35.70 | | | | | | | | | | | | | | | | |
| **SAFARI ZONE** | | | | | | | | | | | | | | | | | | | |
| 22 | Main Gate | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 23 | Ticketing Counter | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 24 | Tram Station near Main Safari Gate along with Charging Station Civil and Allied Works. | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 25 | Tram Station near Jungle Safari Café | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 26 | Jeep Parking for 5 Vehicles | Kanal | 2.00 | | | | | | | | | | | | | | | | |
| 27 | Jungle Safari Mini Gate | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 28 | Immersive Tunnel (paintings) on Tram Track | Rft | 150.00 | | | | | | | | | | | | | | | | |
| 29 | Watch Towers | Nos. | 8.00 | | | | | | | | | | | | | | | | |
| 30 | Jeep Track Rehabilitation (km) | Km | 5.70 | | | | | | | | | | | | | | | | |

| Sr. No. | Items | Unit | QTY | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 31 | Jungle Safari Café | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| **ADVENTURE ZONE** | | | | | | | | | | | | | | | | | | | |
| 32 | Elevated Canopy Walkway (metres) | RM | 400.00 | | | | | | | | | | | | | | | | |
| 33 | Ticketing Counter | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 34 | Sitting Area | Marla | 10.00 | | | | | | | | | | | | | | | | |
| 35 | Medical Centre | Marla | 4.50 | | | | | | | | | | | | | | | | |
| **LAKE ZONE** | | | | | | | | | | | | | | | | | | | |
| 36 | Eco Tourism Gate with Reception Area | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 37 | Ticketing Counter | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 38 | Parking for EVs near Corporate Meeting Hall | Marla | 10.00 | | | | | | | | | | | | | | | | |
| 39 | Corporate Meeting Hall | Kanal | 1.30 | | | | | | | | | | | | | | | | |
| 40 | Floating Restaurant | Marla | 15.00 | | | | | | | | | | | | | | | | |
| 41 | Ecolodges Single Bed | Nos. | 3.00 | | | | | | | | | | | | | | | | |
| 42 | Ecolodges Double Bed | Nos. | 2.00 | | | | | | | | | | | | | | | | |
| 43 | Parking for EVs near Eco Tourism Club | Marla | 10.00 | | | | | | | | | | | | | | | | |
| 44 | Watch Tower | Nos. | 4.00 | | | | | | | | | | | | | | | | |
| 45 | Glamping Pods single bed | Nos. | 3.00 | | | | | | | | | | | | | | | | |
| 46 | Glamping Pods double bed | Nos. | 2.00 | | | | | | | | | | | | | | | | |
| 47 | Provision of Solar Facility | KVA | 250.00 | | | | | | | | | | | | | | | | |
| 48 | Admin Block for Eco Lodges Zone | Marla | 10.00 | | | | | | | | | | | | | | | | |
| 49 | Boundary Wall Fence | Km | 5.00 | | | | | | | | | | | | | | | | |

| Sr. No. | Items | Unit | QTY | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 50 | Complete Utilities Infrastructure Works WS/Sewerage | Job | Job | | | | | | | | | | | | | | | | |
| 51 | Complete Electrical and Electrical Distribution Works | Job | Job | | | | | | | | | | | | | | | | |
| 52 | Complete Fire Fighting and Fire Protection Works | Job | Job | | | | | | | | | | | | | | | | |
| 53 | Complete IT works | Job | Job | | | | | | | | | | | | | | | | |
| 54 | Changa Manga Staff Residential Quarters | Nos. | 6.00 | | | | | | | | | | | | | | | | |
| 55 | Construction of new Electric Tram Charging Station | Job | 1.00 | | | | | | | | | | | | | | | | |
| 56 | Construction of new Electric Tram Track | Job | 1.00 | | | | | | | | | | | | | | | | |
| **CHASHMA** | | | | | | | | | | | | | | | | | | | |
| 1 | Link Road to Connect DI Khan Road to Gernali Road | Km | 1.30 | | | | | | | | | | | | | | | | |
| 2 | Access Road from Gernali Road to Chashma Ecotourism Zone | Km | 1.00 | | | | | | | | | | | | | | | | |
| 3 | Parking for 100 Vehicles and 50 Motorcycles | Kanal | 10.00 | | | | | | | | | | | | | | | | |
| 4 | Rest Rooms Block (6+6) Near Parking | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 5 | Rest Rooms Block (6+6) Near Restaurant | Nos. | 1.00 | | | | | | | | | | | | | | | | |

| Sr. No. | Items | Unit | QTY | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 6 | Information Centre | Kanal | 2.20 | | | | | | | | | | | | | | | | |
| 7 | Kids Play Zone Area – Dolphin Theme. | Kanal | 5.00 | | | | | | | | | | | | | | | | |
| 8 | Restaurant. | Kanal | 2.00 | | | | | | | | | | | | | | | | |
| 9 | Boating Deck | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 10 | Fishing Deck | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 11 | Ecolodges Single Bed | Nos. | 3.00 | | | | | | | | | | | | | | | | |
| 12 | Ecolodges Double Bed | Nos. | 2.00 | | | | | | | | | | | | | | | | |
| 13 | Admin Block | Marla | 10.00 | | | | | | | | | | | | | | | | |
| 14 | Boundary Wall Fence | Km | 3.80 | | | | | | | | | | | | | | | | |
| 15 | Complete Utilities Infrastructure Works WS/Sewerage | Job | | | | | | | | | | | | | | | | | |
| 16 | Complete Electrical and Electrical Distribution Works | Job | | | | | | | | | | | | | | | | | |
| 17 | Complete Fire Fighting and Fire Protection Works | Job | | | | | | | | | | | | | | | | | |
| 18 | Provision of Solar Facility | KVA | 100.00 | | | | | | | | | | | | | | | | |
| 19 | Complete IT works | Job | | | | | | | | | | | | | | | | | |

| UCHALI |
|---|
| ZONE – I |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Parking for 100 vehicles and 50 Motorcycles including Cat eyes and speed breakers on Main Road as per Master Plan. | Kanal | 10.00 | | | | | | | | | | | | | | | | |
| 2 | Rest rooms Block (6+6) near Parking | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 3 | Information Centre | Kanal | 1.00 | | | | | | | | | | | | | | | | |
| 4 | Cultural Bazaar | Kanal | 2.00 | | | | | | | | | | | | | | | | |
| 5 | Restaurant | Kanal | 1.00 | | | | | | | | | | | | | | | | |
| 6 | Photographic Deck | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 7 | Painting Spots | Nos. | 2.00 | | | | | | | | | | | | | | | | |
| 8 | Boating Deck | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| **Zone – II** | | | | | | | | | | | | | | | | | | | |
| 9 | Ecolodges Single Bed | Nos. | 3.00 | | | | | | | | | | | | | | | | |
| 10 | Ecolodges Double Bed | Nos. | 2.00 | | | | | | | | | | | | | | | | |
| 11 | Glamping Pods Single Bed | Nos. | 3.00 | | | | | | | | | | | | | | | | |
| 12 | Glamping Pods Double Bed | Nos. | 2.00 | | | | | | | | | | | | | | | | |
| 13 | Star Gazing Tower | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 14 | Kids Play zone Area Near Ecolodges | Kanal | 2.00 | | | | | | | | | | | | | | | | |
| 15 | Boating Deck | Nos. | 1.00 | | | | | | | | | | | | | | | | |
| 16 | Boundary Fencing | Rft | 1.00 | | | | | | | | | | | | | | | | |
| 17 | Watch Towers/Security Towers | Nos | 4.00 | | | | | | | | | | | | | | | | |
| 18 | Landscaping Area | Kanal | | | | | | | | | | | | | | | | | |
| 19 | Admin Block | Marla | 10.00 | | | | | | | | | | | | | | | | |
| 20 | Complete Utilities Infrastructure Works WS/Sewerage | Job | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | Complete Electrical and Electrical Distribution Works | Job | | | | | | | | | | | | | | | | | | |
| 22 | Complete Fire Fighting and Fire Protection Works | Job | | | | | | | | | | | | | | | | | | |
| 23 | Provision of Solar Facility | KVA | 100 | | | | | | | | | | | | | | | | | |
| 24 | Complete IT works | Job | | | | | | | | | | | | | | | | | | |

# IMPLEMENTATION PLAN MACHINERY, STORE, TOOLS & EQUIPMENT

| Sr. No. | Description | 2024-25 | 2025-26 | TOTAL | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| **CHANGA MANGA** | | | | | | | | | | | | | | | | | | | | |
| 1 | Portable Transportation cages (light weight) for recovery of sick animal that could be mounted on single pickup. | | 2.670 | 2.670 | | | | | | | | | | | | | | | | |
| 2 | Capturing cage for Mammals | | 2.720 | 2.720 | | | | | | | | | | | | | | | | |
| 3 | Transportation Cages for Birds | | 2.000 | 2.000 | | | | | | | | | | | | | | | | |
| 4 | Cages for Capturing / Transportation of Small Mammals. | | 3.000 | 3.000 | | | | | | | | | | | | | | | | |
| 5 | Tranquilizer Gun RD 706 | | 0.800 | 0.800 | | | | | | | | | | | | | | | | |
| 6 | Teledart with accessories or equivalent | | 0.700 | 0.700 | | | | | | | | | | | | | | | | |
| 7 | Drone Cameras 12 MP | | 1.000 | 1.000 | | | | | | | | | | | | | | | | |
| 8 | Walky-talky sets with accessories (01 No for vehicle with accessories). | | 1.50 | 1.50 | | | | | | | | | | | | | | | | |
| 9 | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V , Frequency 50~60 Hz. | | 5.40 | 5.40 | | | | | | | | | | | | | | | | |

| Sr. No. | Description | 2024-25 | 2025-26 | TOTAL | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 10 | Generator 50 KVA brand new Perkins /Volvo diesel generator or equivalent with sound proof canopy and battery price. | | 10.00 | 10.00 | | | | | | | | | | | | | | | | |
| 11 | Desktop Computers, Intel Corei9, 12thGen, 3.4GHz, Cache 8MB, 8core, RAM-32GB DDR 4dual channel 2133MHz, Hard Disk- | | 1.00 | 1.00 | | | | | | | | | | | | | | | | |
| 12 | 1TB SATAHDD 7200rpm, 256- | | 0.30 | 0.30 | | | | | | | | | | | | | | | | |
| 13 | Bit, Memory Interface 1Xhdmi | | 50.00 | 50.00 | | | | | | | | | | | | | | | | |
| 14 | 1Xdp, Multi-format DVD Writer or higher specs, with standard key board and mouse, equivalent or above. | | 0.50 | 0.50 | | | | | | | | | | | | | | | | |
| 15 | LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI&VGA Connectivity | | 0.30 | 0.30 | | | | | | | | | | | | | | | | |

| Sr. No. | Description | 2024-25 | 2025-26 | TOTAL | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 16 | Office Furniture for Admin Block, Corporate Meeting Hall, Research Centre, Information Centre & Offices of Wildlife Staff | | 50.00 | 50.00 | | | | | | | | | | | | | | | | |
| 17 | Kitchen utensils and accessories for office use | | 0.50 | 0.50 | | | | | | | | | | | | | | | | |
| 18 | Simple Binoculars + Night vision | | 0.20 | 0.20 | | | | | | | | | | | | | | | | |
| 19 | Binoculars | | 0.30 | 0.30 | | | | | | | | | | | | | | | | |
| 20 | Large Nets for Capturing Animals. | | 1.00 | 1.00 | | | | | | | | | | | | | | | | |
| 21 | Photocopier | | 0.30 | 0.30 | | | | | | | | | | | | | | | | |
| 22 | Colour Printer HP latest model or equivalent. | | 0.20 | 0.20 | | | | | | | | | | | | | | | | |
| 23 | Multimedia Projector (2500 Lumens) with Screen latest model | | 1.00 | 1.00 | | | | | | | | | | | | | | | | |
| 24 | Motion Detector Cameras | | 0.33 | 0.33 | | | | | | | | | | | | | | | | |
| 25 | Binoculars (Nikon) (16 x 50) or equivalent | | 0.50 | 0.50 | | | | | | | | | | | | | | | | |
| 26 | Spotting Scope 80x60 or higher resolution with tripod stand. | | 1.00 | 1.00 | | | | | | | | | | | | | | | | |
| 27 | Photography Equipment's | | 2.00 | 2.00 | | | | | | | | | | | | | | | | |
| 28 | Refrigerators | | 0.50 | 0.50 | | | | | | | | | | | | | | | | |

| Sr. No. | Description | 2024-25 | 2025-26 | TOTAL | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 29 | Single Door Refrigerator | | 0.33 | 0.33 | | | | | | | | | | | | | | | | |
| 30 | Microwave Oven | | 0.250 | 0.250 | | | | | | | | | | | | | | | | |
| 31 | Bush Cutter i/c all accessories | | 0.50 | 0.50 | | | | | | | | | | | | | | | | |
| 32 | Search Lights & Safety dress / gears & mics. Safety Equipment's | | 1.00 | 1.00 | | | | | | | | | | | | | | | | |
| 33 | Outdoor Public Water Dispenser | | 1.50 | 1.50 | | | | | | | | | | | | | | | | |
| **UCHALI-WETLAND** | | | | | | | | | | | | | | | | | | | | |
| 1 | Drone Cameras 12mp | | 1.00 | 1.00 | | | | | | | | | | | | | | | | |
| 2 | Walky-talky sets with accessories (01 No for vehicle with accessories). | | 1.50 | 1.50 | | | | | | | | | | | | | | | | |
| 3 | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V , Frequency 50~60 Hz. | | 1.80 | 1.80 | | | | | | | | | | | | | | | | |
| 4 | Simple Binoculars + Night vision | | 0.20 | 0.20 | | | | | | | | | | | | | | | | |
| 5 | Binoculars | | 0.30 | 0.30 | | | | | | | | | | | | | | | | |
| 6 | Bush Cutter i/c all accessories | | 0.50 | 0.50 | | | | | | | | | | | | | | | | |
| 7 | Search Lights & Safety dress / gears & mics. Safety Equipment's | | 1.00 | 1.00 | | | | | | | | | | | | | | | | |
| 8 | Outdoor Public Water Dispenser | | 0.90 | 0.90 | | | | | | | | | | | | | | | | |

| Sr. No. | Description | 2024-25 | 2025-26 | TOTAL | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 9 | Electrician Tool Kit i/c all accessories | | 0.20 | 0.20 | | | | | | | | | | | | | | | | |
| 10 | Wheel Chairs | | 0.50 | 0.50 | | | | | | | | | | | | | | | | |
| **CHASMA-WETLAND** | | | | | | | | | | | | | | | | | | | | |
| 1 | Drone Cameras 12mp | | 1.00 | 1.00 | | | | | | | | | | | | | | | | |
| 2 | Walky-talky sets with accessories (01 No for vehicle with accessories). | | 1.50 | 1.50 | | | | | | | | | | | | | | | | |
| 3 | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V , Frequency 50~60 Hz. | | 1.80 | 1.80 | | | | | | | | | | | | | | | | |
| 4 | Simple Binoculars + Night vision | | 0.20 | 0.20 | | | | | | | | | | | | | | | | |
| 5 | Binoculars | | 0.30 | 0.30 | | | | | | | | | | | | | | | | |
| 6 | Bush Cutter i/c all accessories | | 0.50 | 0.50 | | | | | | | | | | | | | | | | |
| 7 | Search Lights & Safety dress / gears & mics. Safety Equipment's | | 1.00 | 1.00 | | | | | | | | | | | | | | | | |
| 8 | Outdoor Public Water Dispenser | | 0.90 | 0.90 | | | | | | | | | | | | | | | | |
| 9 | Electrician Tool Kit i/c all accessories | | 0.20 | 0.20 | | | | | | | | | | | | | | | | |
| 10 | Wheel Chairs | | 0.50 | 0.50 | | | | | | | | | | | | | | | | |
| 11 | Fiberglass 8 seats Speed Boat. Size(L*W*H), 520*170*80cm | | 20.00 | 20.00 | | | | | | | | | | | | | | | | |

# IMPLEMENTATION PLAN
# COMMODITIES AND SERVICES

| Sr. No. | Item | 2024-25 | 2025-26 | Total | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| **CHANGA MANGA** | | | | | | | | | | | | | | | | | | | | |
| 1 | Holding of Seminars, Trainings & field visits | | 10.000 | 10.000 | | | | | | | | | | | | | | | | |
| 2 | Cost of Feed for Animals / Birds | | 25.000 | 25.000 | | | | | | | | | | | | | | | | |
| 3 | Cost of Chemical and Medicines | | 5.000 | 5.000 | | | | | | | | | | | | | | | | |
| 4 | Electricity charges | | 29.000 | 29.000 | | | | | | | | | | | | | | | | |
| 5 | P.O.L. charges | | 2.500 | 2.500 | | | | | | | | | | | | | | | | |
| 6 | Rate & Taxes | | 14.500 | 14.500 | | | | | | | | | | | | | | | | |
| 7 | T.A (L.S) | | 8.000 | 8.000 | | | | | | | | | | | | | | | | |
| 8 | Stationary Charges | | 4.000 | 4.000 | | | | | | | | | | | | | | | | |
| 9 | Printing & Publications (L.S) | | 14.000 | 14.000 | | | | | | | | | | | | | | | | |
| 10 | Transport (Repair) | | 5.000 | 5.000 | | | | | | | | | | | | | | | | |
| 11 | Sui Gas Charges | | 7.000 | 7.000 | | | | | | | | | | | | | | | | |
| 12 | Publicity and Advertisement Charges | | 60.000 | 60.000 | | | | | | | | | | | | | | | | |
| 13 | Community Engagement and Marketing | | 16.000 | 16.000 | | | | | | | | | | | | | | | | |
| 14 | Signage & Branding | | 100.000 | 100.000 | | | | | | | | | | | | | | | | |

| Sr. No. | Item | 2024-25 | 2025-26 | Total | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 15 | Plantation for the Botanical Green House | | 80.000 | 80.000 | | | | | | | | | | | | | | | | |
| 16 | Horticulture and Landscaping as per approved Design. | | 25.000 | 25.000 | | | | | | | | | | | | | | | | |
| 17 | Purchase of Printing material for E-Ticketing. | | 11.000 | 11.000 | | | | | | | | | | | | | | | | |
| 18 | Others / Unforeseen | | 10.000 | 10.000 | | | | | | | | | | | | | | | | |
| 19 | Awareness Campaign | | 9.000 | 9.000 | | | | | | | | | | | | | | | | |
| 20 | Provision of Sculptures in General Areas | | 135.000 | 135.000 | | | | | | | | | | | | | | | | |
| 21 | Content Creation | | 60.000 | 60.000 | | | | | | | | | | | | | | | | |
| 22 | Purchase of Wildlife Animals & Birds | | 350.000 | 350.000 | | | | | | | | | | | | | | | | |
| 23 | Hiring for provision of Solid Waste Management Services including Labor, Material and Equipment | | 45.000 | 45.000 | | | | | | | | | | | | | | | | |
| 24 | Operation and Maintenance Manual | | 5.000 | 5.000 | | | | | | | | | | | | | | | | |
| **WETLAND – UCHALI** | | | | | | | | | | | | | | | | | | | | |
| 1 | Electricity charges | | 1.000 | 1.000 | | | | | | | | | | | | | | | | |
| 2 | Rate & Taxes | | 2.000 | 2.000 | | | | | | | | | | | | | | | | |

| Sr. No. | Item | 2024-25 | 2025-26 | Total | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 3 | T.A (L.S) | | 1.000 | 1.000 | | | | | | | | | | | | | | | | |
| 4 | Printing & Publications (L.S) | | 2.000 | 2.000 | | | | | | | | | | | | | | | | |
| 5 | Sui Gas Charges | | 0.600 | 0.600 | | | | | | | | | | | | | | | | |
| 6 | Publicity and advertisement charges | | 3.000 | 3.000 | | | | | | | | | | | | | | | | |
| 7 | Community Engagement and Marketing | | 2.000 | 2.000 | | | | | | | | | | | | | | | | |
| 8 | Signage & Branding | | 40.000 | 40.000 | | | | | | | | | | | | | | | | |
| 9 | Plantation of Ornamental Plants along Road and Pathways | | 2.000 | 2.000 | | | | | | | | | | | | | | | | |
| 10 | Purchase of Printing material for E-Ticketing. | | 3.000 | 3.000 | | | | | | | | | | | | | | | | |
| 11 | Others / Unforeseen | | 1.000 | 1.000 | | | | | | | | | | | | | | | | |
| 12 | Provision of Sculptures in General Areas | | 70.000 | 70.000 | | | | | | | | | | | | | | | | |
| 13 | Awareness Campaign | | 3.000 | 3.000 | | | | | | | | | | | | | | | | |
| 14 | Acquisition of Land for Uchali (120 Kanals) | | 293.990 | 293.990 | | | | | | | | | | | | | | | | |
| 15 | Hiring for provision of Solid Waste Management Services including Labor, Material and Equipment | | 15.000 | 15.000 | | | | | | | | | | | | | | | | |

| Sr. No. | Item | 2024-25 | 2025-26 | Total | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 16 | Operation and Maintenance Manual | | 5.000 | 5.000 | | | | | | | | | | | | | | | | |
| 17 | Habitat Management and Conservation | | 20.000 | 20.000 | | | | | | | | | | | | | | | | |
| 18 | Geofencing and Messaging Campaign Services | | 25.000 | 25.000 | | | | | | | | | | | | | | | | |
| **WETLAND – CHASHMA** | | | | | | | | | | | | | | | | | | | | |
| 1 | Electricity charges | | 1.000 | 1.000 | | | | | | | | | | | | | | | | |
| 2 | Rate & Taxes | | 4.000 | 4.000 | | | | | | | | | | | | | | | | |
| 3 | T.A (L.S) | | 2.000 | 2.000 | | | | | | | | | | | | | | | | |
| 4 | Printing & Publications (L.S) | | 4.000 | 4.000 | | | | | | | | | | | | | | | | |
| 5 | Sui Gas Charges | | 1.000 | 1.000 | | | | | | | | | | | | | | | | |
| 6 | Publicity and advertisement charges | | 3.000 | 3.000 | | | | | | | | | | | | | | | | |
| 7 | Signage | | 60.000 | 60.000 | | | | | | | | | | | | | | | | |
| 8 | Plantation of Ornamental Plants along Road and Pathways | | 4.000 | 4.000 | | | | | | | | | | | | | | | | |
| 9 | Purchase of Printing material for E-Ticketing. | | 3.000 | 3.000 | | | | | | | | | | | | | | | | |
| 10 | Others / Unforeseen | | 2.000 | 2.000 | | | | | | | | | | | | | | | | |

| Sr. No. | Item | 2024-25 | 2025-26 | Total | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| 11 | Community Engagement and Marketing | | 2.000 | 2.000 | | | | | | | | | | | | | | | | |
| 12 | Provision of Sculptures in General Areas | | 90.000 | 90.000 | | | | | | | | | | | | | | | | |
| 13 | Awareness Campaign | | 3.000 | 3.000 | | | | | | | | | | | | | | | | |
| 14 | Acquisition of Land for Chashma (90 Kanals, 5 Marla) | | 102.890 | 102.890 | | | | | | | | | | | | | | | | |
| 15 | Hiring for provision of Solid Waste Management Services including Labor, Material and Equipment | | 20.000 | 20.000 | | | | | | | | | | | | | | | | |
| 16 | Operation and Maintenance Manual | | 5.000 | 5.000 | | | | | | | | | | | | | | | | |
| 17 | Geofencing and Messaging Campaign Services | | 25.000 | 25.000 | | | | | | | | | | | | | | | | |

# IMPLEMENTATION PLAN
# TRANSPORT

| Sr. No. | Item | 2024-25 | 2025-26 | Total | CFY 2024-25 | | | | FY 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
| **CHANGA MANGA** | | | | | | | | | | | | | | | | | | | | |
| 1 | Holding of Seminars, Trainings & field visits | | 70.150 | 70.150 | | | | | | | | | | | | | | | | |
| 2 | Cost of Feed for Animals / Birds | | 300.930 | 300.930 | | | | | | | | | | | | | | | | |
| 3 | Cost of Chemical and Medicines | | 5.200 | 5.200 | | | | | | | | | | | | | | | | |
| 4 | Electricity charges | | 50.000 | 50.000 | | | | | | | | | | | | | | | | |
| **WETLAND – UCHALI** | | | | | | | | | | | | | | | | | | | | |
| 1 | Electricity charges | | 1.000 | 1.000 | | | | | | | | | | | | | | | | |
| **WETLAND – CHASHMA** | | | | | | | | | | | | | | | | | | | | |
| 1 | Electricity charges | | 1.000 | 1.000 | | | | | | | | | | | | | | | | |

# ANNUAL PROCUREMENT PLAN

## MACHINERY & EQUIPMENT

| Sr. No. | Description | Qty. (Nos.) | TOTAL | Procurement Method | Tentative date of Notice | Tentative Date of Award | Tentative Date of Completion |
|---|---|---|---|---|---|---|---|
| **CHANGA MANGA** | | | | | | | |
| 1. | Portable Transportation cages (light weight) for recovery of sick animal that could be mounted on single pickup. | 4 | 2.670 | Tender | 15-Dec-25 | 05-Jan-26 | - |
| 2. | Capturing cage for Mammals | 5 | 2.720 | Tender | 15-Dec-25 | 05-Jan-26 | - |
| 3. | Transportation Cages for Birds | 10 | 2.000 | Tender | 15-Dec-25 | 05-Jan-26 | - |
| 4. | Cages for Capturing / Transportation of Small Mammals. | 6 | 3.000 | Tender | 15-Dec-25 | 05-Jan-26 | - |
| 5. | Tranquilizer Gun RD 706 | 1 | 0.800 | Tender | 15-Dec-25 | 05-Jan-26 | - |
| 6. | Teledart with accessories or equivalent | 1 | 0.700 | Tender | 15-Dec-25 | 05-Jan-26 | - |
| 7. | Drone Cameras 12 MP | 2 | 1.000 | Tender | 15-Mar-26 | 15-May-26 | - |
| 8. | Walky-talky sets with accessories (01 No for vehicle with accessories). | 15 | 1.50 | Tender | 15-Dec-25 | 05-Jan-26 | - |
| 9. | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V , Frequency 50~60 Hz. | 3 | 5.40 | Tender | 15-Nov-25 | 01-Jan-26 | - |
| 10. | Generator 50 KVA brand new Perkins /Volvo diesel generator or equivalent with sound proof canopy and battery price. | 2 | 10.00 | Tender | 15-Nov-25 | 01-Jan-26 | - |

| Sr. No. | Description | Qty. (Nos.) | TOTAL | Procurement Method | Tentative date of Notice | Tentative Date of Award | Tentative Date of Completion |
|---|---|---|---|---|---|---|---|
| 11. | Desktop Computers, Intel Corei9, 12thGen, 3.4GHz, Cache 8MB, 8core, RAM-32GB DDR 4dual channel 2133MHz, Hard Disk-1TB SATAHDD 7200rpm, 256- Bit, Memory Interface 1Xhdmi 1Xdp, Multi-format DVD Writer or higher specs, with standard key board and mouse, equivalent or above. | 2 | 1.00 | Tender | 01-Jan-26 | 15-Jan-26 | - |
| 12. | LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI&VGA Connectivity | 2 | 0.30 | Petty Purchase | - | - | - |
| 13. | Office Furniture for Admin Block, Corporate Meeting Hall, Research Centre, Information Centre & Offices of Wildlife Staff | LS | 50.00 | Tender | 01-Jan-26 | 15-Jan-26 | - |
| 14. | Kitchen utensils and accessories for office use | LS | 0.50 | Tender | 01-Jan-26 | 15-Jan-26 | - |
| 15. | Simple Binoculars + Night vision | 2 | 0.20 | Petty Purchase | - | - | - |
| 16. | Binoculars | 2 | 0.30 | Petty Purchase | - | - | - |
| 17. | Large Nets for Capturing Animals. | 3 | 1.00 | Tender | 15-Mar-26 | 15-Jun-26 | - |
| 18. | Photocopier | 1 | 0.30 | Petty Purchase | 10-Sep-25 | 15-Oct-26 | - |
| 19. | Colour Printer HP latest model or equivalent. | 1 | 0.20 | Petty Purchase | - | - | - |
| 20. | Multimedia Projector (2500 Lumens) with Screen latest model | 1 | 1.00 | Tender | 01-Jan-26 | 15-Jan-26 | - |
| 21. | Motion Detector Cameras | 5 | 0.33 | Petty Purchase | - | - | - |
| 22. | Binoculars (Nikon) (16 x 50) or equivalent | 5 | 0.50 | Tender | 10-Sep-25 | 15-Oct-25 | - |
| 23. | Spotting Scope 80x60 or higher resolution with tripod stand. | 1 | 1.00 | Petty Purchase | - | - | - |
| 24. | Photography Equipment's | 5 | 2.00 | Petty Purchase | - | - | - |

| Sr. No. | Description | Qty. (Nos.) | TOTAL | Procurement Method | Tentative date of Notice | Tentative Date of Award | Tentative Date of Completion |
|---|---|---|---|---|---|---|---|
| 25. | Refrigerators | 5 | 0.50 | Tender | 10-Sep-25 | 15-Oct-25 | - |
| 26. | Single Door Refrigerator | 1 | 0.33 | Petty Purchase | 10-Sep-25 | 15-Oct-25 | - |
| 27. | Microwave Oven | LS | 0.250 | Petty Purchase | - | - | - |
| 28. | Bush Cutter i/c all accessories | 2 | 0.50 | Petty Purchase | - | - | - |
| 29. | Search Lights & Safety dress/ gears & mics. Safety Equipment's | 1 | 1.00 | Petty Purchase | - | - | - |
| 30. | Outdoor Public Water Dispenser | 5 | 1.50 | Tender | 01-Jan-26 | 01-May-26 | - |
| 31. | Electrician Tool Kit i/c all accessories | 5 | 0.20 | Petty Purchase | 10-Sep-25 | 15-Oct-25 | - |
| 32. | Welding Plant | 6 | 0.50 | Tender | 10-Sep-25 | 15-Oct-25 | - |
| 33. | Wheel Chairs | 5 | 3.60 | Petty Purchase | - | - | - |
| **UCHALI-WETLAND** | | | | | | | |
| 1. | Drone Cameras 12mp | 2 | 1.00 | Tender | 15-Mar-2026 | 15-May-2026 | - |
| 2. | Walky-talky sets with accessories (01 No for vehicle with accessories). | 15 | 1.50 | Tender | 15-Sep-2025 | 15-Oct-2025 | - |
| 3. | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V , Frequency 50~60 Hz. | 1 | 1.80 | Tender | 15-Nov-2025 | 01-Jan-2026 | - |
| 4. | Simple Binoculars + Night vision | 2 | 0.20 | Petty Purchase | - | - | - |
| 5. | Binoculars | 2 | 0.30 | Petty Purchase | - | - | - |
| 6. | Bush Cutter i/c all accessories | 5 | 0.50 | Petty Purchase | - | - | - |
| 7. | Search Lights & Safety dress / gears & misc. Safety Equipment's | 6 | 1.00 | Tender | 01-Jan-2026 | 01-May-2026 | - |
| 8. | Outdoor Public Water Dispenser | 3 | 0.90 | Tender | 01-Jan-2026 | 01-May-2026 | - |
| 9. | Electrician Tool Kit i/c all accessories | 1 | 0.20 | Petty Purchase | 01-Jan-2026 | 01-May-2026 | - |
| 10. | Wheel Chairs | 10 | 0.50 | Petty Purchase | - | - | - |
| **UCHALI-WETLAND** | | | | | | | |
| 1. | Drone Cameras 12mp | 2 | 1 | Tender | 15-Mar-2026 | 15-May-2026 | - |

| Sr. No. | Description | Qty. (Nos.) | TOTAL | Procurement Method | Tentative date of Notice | Tentative Date of Award | Tentative Date of Completion |
|---|---|---|---|---|---|---|---|
| 2. | Walky-talky sets with accessories (01 No for vehicle with accessories). | 15 | 1.50 | Tender | 01-Jan-2026 | 01-May-2026 | - |
| 3. | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V , Frequency 50~60 Hz. | 1 | 1.80 | Tender | 15-Nov-2025 | 01-Jan-2026 | - |
| 4. | Simple Binoculars + Night vision | 2 | 0.20 | Petty Purchase | - | - | - |
| 5. | Binoculars | 2 | 0.30 | Petty Purchase | - | - | - |
| 6. | Bush Cutter i/c all accessories | 5 | 0.50 | Petty Purchase | - | - | - |
| 7. | Search Lights & Safety dress / gears & mics. Safety Equipment's | 6 | 1.00 | Tender | 01-Jan-2026 | 01-May-2026 | - |
| 8. | Outdoor Public Water Dispenser | 3 | 0.90 | Tender | 01-Jan-2026 | 01-May-2026 | - |
| 9. | Electrician Tool Kit i/c all accessories | 1 | 0.20 | | | | - |
| 10. | Wheel Chairs | 10 | 0.50 | Petty Purchase | - | - | - |
| 11. | Fiberglass 8 seats Speed Boat. Size(L*W*H), 520*170*80cm | 2 | 20.00 | Petty Purchase | - | - | - |

# TRANSPORT

| Sr. No. | Description | Qty. (Nos.) | TOTAL | Procurement Method | Tentative date of Notice | Tentative Date of Award | Tentative Date of Completion |
|---|---|---|---|---|---|---|---|
| **CHANGA MANGA** | | | | | | | |
| 1. | 4x4 Jeep 2.0 L (2000 CC Engine Type Petrol/ Single Turbo Charger/4 Cylinders, Inline Cylinder Configuration, 6000 RPM torque 3210 NM @ 4500 RPM Max Speed 240 Km/H Soft Top Convertible. | 5 | 70.15 | Direct Contracting | 15-Feb-26 | 15-Jun-26 | - |
| 2. | Purchase of New Electric Tram New Electric Tram Purchase. | 1 | 300.930 | Tender | 15-Jul-25 | 15-Sep-25 | 15-Jan-26 |
| 3. | Motorcycles E-bikes | 8 | 5.20 | Tender | 15-Mar-2026 | 15-May-2026 | - |
| 4. | Electric Vehicles | 5 | 50.00 | Petty Purchase | - | - | - |
| **UCHALI-WETLAND** | | | | | | | |
| 1. | Motorcycles (125 CC) | 2 | 1.00 | Direct Contracting | 15-Feb-26 | 15-Jun-26 | - |
| **CHASMA-WETLAND** | | | | | | | |
| 1. | Motorcycles (125 CC) | 2 | 1.00 | Direct Contracting | 15-Feb-26 | 15-Jun-26 | - |

# RECRUITMENT PLAN OF HUMAN RESOURCE

| Particulars | 2024-25 | | | 2025-26 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | April | May | June | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| Advertisement | | | | | | | | | | | | | | | |
| Receipt of application | | | | | | | | | | | | | | | |
| Scrutiny of Documents/ shortlisting of candidates | | | | | | | | | | | | | | | |
| Test/ Interview | | | | | | | | | | | | | | | |
| Selection of candidates | | | | | | | | | | | | | | | |
| Issuance of offer letters/ orders | | | | | | | | | | | | | | | |
| Medical fitness/ joining | | | | | | | | | | | | | | | |

**RECRUITMENT CRITERIA OF ESTABLISHMENT (PROJECT STAFF)**

| Sr. No | Position | PPS | Proposed | Qualification | Experience | Age Limit (Max) | Justification and Job Description |
|---|---|---|---|---|---|---|---|
| **1** | Senior Manager Wildlife | PPS-08 | 1 | MS/M.Phil. degree in Zoology, wildlife management, Ecology, or related field | Minimum 10 years of experience in wildlife management or conservation | 40 years | Monitor project performance and ecotourism operations.<br>Develop and implement biodiversity conservation strategies and action plans.<br>Responsible for the conservation, management, and protection of wildlife and their habitats. Enforce wildlife laws. |
| **2** | Security Manager | PPS-07 | 1 | Retired Army Official | Minimum 10 years of experience in security operations | 40 years | Security System Management, Implement and maintain security protocols to safeguard company assets. This includes monitoring surveillance systems, managing security personnel, and ensuring compliance |
| **3** | Manager, Experience Development | PPS-07 | 1 | Minimum 16 years' education in Tourism, Hospitality or relevant field | Minimum 10 years of relevant experience in tourism or visitor management | 40 years | Responsible for creating and implementing innovative strategies that enhance customer and visitor experiences across all touchpoints of the organization. This role focuses on developing memorable, engaging experiences that align with the organization's brand, mission, and goals. |
| **4** | Manager Horticulture | PPS-07 | 1 | Minimum 16 years' education in Horticulture or Botany or relevant field | Minimum 10 years of experience in landscape management or park development | 40 years | Manage the Orchard. Manage tree plantations, ensuring biodiversity conservation and sustainable ecosystem management. Monitor plant health, soil conditions, and irrigation systems. |

| Sr. No | Position | PPS | Proposed | Qualification | Experience | Age Limit (Max) | Justification and Job Description |
|---|---|---|---|---|---|---|---|
| **5** | Manager Administration | PPS-07 | 1 | Minimum 16 years' education in Business Administration, Management or relevant field | Minimum 10 years of experience in administrative management | 40 years | Oversee all administrative functions, including office management, facilities management and procurement. Develop and implement administrative policies and procedures. |
| **6** | IT Support Specialist | PPS-07 | 1 | Minimum 16 years' education in Information Technology, Computer Science, or related field | Minimum 10 years of experience in IT support and systems administration Experience with network management | 35 years | Provide technical support for IT systems<br>Manage and troubleshoot networks and software<br>Assist with IT system maintenance<br>Provide training and support<br>Ensure cyber security<br>Drone operation |
| **7** | Assistant Manager Administration | PPS-06 | 1 | Minimum 16 years' education in Business Administration Management or relevant field | Minimum 05 years of experience in administrative roles | 35 years | Provides additional support to Manager Administration in all administrative functions |
| **8** | Document Controller | PPS-06 | 1 | Minimum 16 years' education in relevant field | At-least 05 years' relevant post qualification experience | 35 years | For efficient management and organization of documents within an organization, ensuring the integrity, accessibility, and compliance of critical records |
| **9** | Animal Keeper | PPS-05 | 4 | Intermediate (12 years of education) with training in animal handling | Minimum 03 years of experience in animal care, preferably in a park or zoo | 30 years | Animal facilities require more animal keepers for their proper management as the existing staff is insufficient. |
| **10** | Wildlife Guide | PPS-05 | 4 | Intermediate (12 years of education) with Wildlife-related training | Minimum 03 years of experience as a wildlife guide or naturalist | 30 years | Responsible for leading guided tours in wildlife parks, nature reserves, or conservation areas, providing visitors with an educational and enjoyable experience. |

| Sr. No | Position | PPS | Proposed | Qualification | Experience | Age Limit (Max) | Justification and Job Description |
|---|---|---|---|---|---|---|---|
| **11** | Electrician | PPS-05 | 1 | Matric with certificate of electrician from a recognized Technical Training Institute | Minimum 03 years of experience in electrical maintenance | 30 years | Required for electrical works in the park |
| **12** | EV Captain | PPS-04 | 10 | Matric (10 years of education) with valid driving license | Minimum 03 years of experience in driving electric vehicles | 30 years | Ensuring safe, efficient, and environmentally sustainable transportation for passengers, and contribute to the upkeep and smooth functioning of the EV fleet |
| **13** | Tram Diver | PPS-04 | 3 | Matric (10 years of education) with valid driving license | Minimum 03 years of relevant experience | 30 years | Operate the tram safely along designated track within the park. Ensure the safety of passengers. |
| **14** | Welder | PPS-04 | 1 | Certificate or Diploma in Welding from recognized institute | Minimum 03 years of experience in welding, preferably in structural projects | 30 years | Responsible for performing welding, cutting, and metal fabrication tasks to repair, modify, or build structures and equipment. |
| **15** | Office Attendant | PPS-02 | 1 | Primary education | Minimum 02 year of experience | 25 years | Responsible for providing general support and ensuring the smooth operation of daily office activities. This includes performing basic administrative tasks, managing office supplies, assisting staff, maintaining cleanliness, and ensuring that the office environment is organized |
| **16** | Gardener | PPS-02 | 6 | Primary education with gardening knowledge | Minimum 02 year of experience in gardening or horticulture work | 30 years | For maintaining the Orchard and upkeeping of the vegetation. |
| **17** | Guard | PPS-02 | 10 | At least Middle. The matric degree | Minimum 02 years of experience in | 30 years | Required for security, as current staff is insufficient. |

| Sr. No | Position | PPS | Proposed | Qualification | Experience | Age Limit (Max) | Justification and Job Description |
|---|---|---|---|---|---|---|---|
| | | | | holders will get added advantage | security or related roles | | |
| **18** | Janitor | PPS-02 | 4 | Primary education | Minimum 02 year of experience in cleaning or maintenance work | 25 years | Responsible for maintaining cleanliness and hygiene throughout the facility. This includes performing cleaning and maintenance tasks, ensuring that all areas are sanitary, safe, and presentable |

**RECRUITMENT CRITERIA OF PROJECT STAFF**
**RESEARCH CENTER – CHANGA MANGA**

| Sr. No. | Position | PPS | No. of Posts | Qualification | Experience | Max Age Limit | Job Description |
|---|---|---|---|---|---|---|---|
| **1** | Senior Scientific Officer | PPS-09 | 1 | PhD in Zoology, Wildlife, Ecology, Veterinary Sciences or relevant field. | Minimum 10 years of experience in the relevant field.<br><br>Minimum 05 research publications in the field of wildlife | 40 years | Lead and oversee scientific research and conservation projects<br>Develop and implement research strategies<br>Collaborate with stakeholders<br>Analyze scientific data<br>Prepare reports and publications<br>Ensure compliance with protocols |
| **2** | Biodiversity specialist | PPS-08 | 1 | MS/M.Phil. degree in Zoology, Wildlife, Ecology, or related field | Minimum 10 years of experience in biodiversity assessment and conservation. Experienced and strong understanding in managing databases and field surveys.<br><br>Minimum 03 research publications in the relevant field. | 35 years | Conduct biodiversity assessments<br>Develop and implement conservation strategies<br>Analyze biodiversity data<br>Provide expertise on species protection<br>Assess the impacts of climate change on biodiversity, identifying vulnerabilities and developing strategies to mitigate its effects on ecosystems and species resilience.<br>Prepare scientific reports and publications |
| **3** | Genomics Analyst | PPS-08 | 1 | MS/M.Phil. degree in Zoology, Genetics, DVM, Molecular Biology, or related field | Minimum 10 years of experience in genetic research and conservation genetics.<br>Candidates with publications in international peer reviewed journals will be preferred.<br>Experience with genetic analysis software. | 35 years | Conduct genetic research on animal populations<br>Analyze genetic diversity and population structure<br>Develop genetic management strategies<br>Collaborate with researchers<br>Prepare scientific reports and publications |

| Sr. No. | Position | PPS | No. of Posts | Qualification | Experience | Max Age Limit | Job Description |
|---|---|---|---|---|---|---|---|
| | | | | | Minimum 03 research publications in the relevant field. | | |
| **4** | Microbial Data Analyst | PPS-08 | 1 | MS/M.Phil. degree in Zoology, Ecology, DVM, Microbiology, Parasitology or related field | Minimum 10 years of experience in data analysis, lab techniques with a focus on biological data, specifically in parasitology and microbiology.<br><br>Minimum 03 research publications in the relevant field. | 35 years | Analyze microbial datasets to identify patterns in pathogen prevalence and resistance.<br>Use bioinformatics and statistical modeling to interpret microbial data.<br>Support research decisions through data analysis in disease dynamics and environmental impact.<br>Prepare scientific reports and publications |
| **5** | Plant Biologist | PPS-08 | 1 | MS/M.Phil. degree in Botany, Ecology, or related field | Minimum 10 years of experience in botanical research or taxonomy.<br><br>Minimum 03 research publications in the relevant field. | 35 years | Study plant diversity to understand ecological patterns and processes.<br>Conduct research on conservation strategies for endangered plant species.<br>Implement habitat restoration projects to promote ecosystem resilience.<br>Perform plant taxonomy studies for accurate identification and classification in ecological research.<br>Prepare scientific reports and publications |

| Sr. No. | Position | PPS | No. of Posts | Qualification | Experience | Max Age Limit | Job Description |
|---|---|---|---|---|---|---|---|
| **6** | Plant Biotechnologist | PPS-08 | 1 | MS/M.Phil. degree in Botany, Biotechnology, Ecology, or related field | Minimum 10 years of experience in tissue culture, genetic transformation, or molecular techniques.<br><br>Minimum 03 research publications in the relevant field. | 35 years | Conduct research on plant genetics, molecular biology, and biotechnology applications to improve disease resistance, stress tolerance etc.<br>Develop and apply genetic modification techniques, tissue culture, and bioinformatics tools for plant breeding and trait enhancement.<br>Analyze plant DNA, RNA, and proteins using advanced molecular techniques such as PCR. |
| **7** | Research Collaboration Coordinator | PPS-08 | 1 | MS/M.Phil. degree in Wildlife, Zoology, Botany, Ecology, Environmental Science, or a related field. | Minimum 10 years of experience in research coordination, grant writing, or academic collaboration.<br><br>Minimum 03 research publications | 30 years | Identify and establish international research partnerships.<br>Facilitate multi-institutional research projects and communication.<br>Support grant writing, draft MoUs, and coordinate events.<br>Ensure compliance with international research standards and prepare collaboration reports. |
| **8** | IT Support Specialist | PPS-07 | 1 | Minimum 16 years' education in Information Technology, Computer Science, or related field | Minimum 10 years of experience in IT support and systems administration<br>Experience with network management | 30 years | Provide technical support for IT systems<br>Manage and troubleshoot networks and software<br>Assist with IT system maintenance<br>Provide training and support<br>Ensure cyber security<br>Drone operation |
| **9** | Geospatial Analyst | PPS-07 | 1 | Minimum 16 years' education in Geography, Environmental Science, Earth Science, Geospatial | Minimum 10 years of experience in GIS, remote sensing, and spatial data analysis.<br>Basic understanding of biodiversity. | 30 years | Use GIS to analyze spatial data related to biodiversity and habitats.<br>Create maps and conduct spatial analyses on ecosystems and land use.<br>Support conservation planning and ecological monitoring with GIS tools. |

| Sr. No. | Position | PPS | No. of Posts | Qualification | Experience | Max Age Limit | Job Description |
|---|---|---|---|---|---|---|---|
| | | | | Science, Ecology, or related field | | | Manage GIS databases and integrate spatial data into research projects. |
| **10** | Lab Technician | PPS-06 | 2 | Basic education or relevant experience in field or lab work. | Minimum 05 years of relevant experience. | 30 years | Support routine maintenance tasks within the laboratory.<br>Assist in the upkeep and cleanliness of labs. |

**RECRUITMENT CRITERIA OF PROJECT STAFF – WETLAND UCHALI**

| Sr. No | Position | PPS | Proposed | Qualification | Experience | Age Limit (Max) | Justification and Job Description |
|---|---|---|---|---|---|---|---|
| **1** | Senior Manager Wildlife | PPS-08 | 1 | MS/M.Phil. degree in Zoology, wildlife management, Ecology, or related field | Minimum 10 years of experience in wildlife management or conservation | 40 years | Monitor project performance and ecotourism operations.<br>Develop and implement biodiversity conservation strategies and action plans.<br>Responsible for the conservation, management, and protection of wildlife and their habitats. Enforce wildlife laws. |
| **2** | Security Manager | PPS-07 | 1 | Retired Army Official | Minimum 10 years of experience in security operations | 40 years | Security System Management, Implement and maintain security protocols to safeguard company assets. This includes monitoring surveillance systems, managing security personnel, and ensuring compliance |
| **3** | Manager Administration | PPS-07 | 1 | Minimum 16 years' education in Business Administration, Management or relevant field | Minimum 10 years of experience in administrative management | 40 years | Oversee all administrative functions, including office management, facilities management and procurement.<br>Develop and implement administrative policies and procedures. |
| **4** | IT Support Specialist | PPS-07 | 1 | Minimum 16 years' education in Information Technology, Computer Science, or related field | Minimum 10 years of experience in IT support and systems administration<br>Experience with network management | 40 years | Provide technical support for IT systems<br>Manage and troubleshoot networks and software<br>Assist with IT system maintenance<br>Provide training and support<br>Ensure cyber security<br>Drone operation |

| Sr. No | Position | PPS | Proposed | Qualification | Experience | Age Limit (Max) | Justification and Job Description |
|---|---|---|---|---|---|---|---|
| **5** | Document Controller | PPS-06 | 1 | Minimum 16 years' education in relevant field | At-least 05 years' relevant post qualification experience | 35 years | For efficient management and organization of documents within an organization, ensuring the integrity, accessibility, and compliance of critical records |
| **6** | Electrician | PPS-05 | 1 | Matric with certificate of electrician from a recognized Technical Training Institute | Minimum 03 years of experience in electrical maintenance | 30 years | Required for electrical works in the park |
| **7** | Office Attendant | PPS-02 | 1 | Primary education | Minimum 02 year of experience | 25 years | Responsible for providing general support and ensuring the smooth operation of daily office activities. This includes performing basic administrative tasks, managing office supplies, assisting staff, maintaining cleanliness, and ensuring that the office environment is organized |
| **8** | Gardener | PPS-02 | 2 | Primary education with gardening knowledge | Minimum 02 year of experience in gardening or horticulture work | 30 years | For maintaining the Orchard and upkeeping of the vegetation. |
| **9** | Guard | PPS-02 | 5 | At least Middle. The matric degree holders will get added advantage | Minimum 02 years of experience in security or related roles | 30 years | Required for security, as current staff is insufficient. |
| **10** | Janitor | PPS-02 | 3 | Primary education | Minimum 02 year of experience in cleaning or maintenance work | 25 years | Responsible for maintaining cleanliness and hygiene throughout the facility. This includes performing cleaning and maintenance tasks, ensuring that all areas are sanitary, safe, and presentable |

**RECRUITMENT CRITERIA OF PROJECT STAFF – WETLAND CHASHMA**

| Sr. No | Position | PPS | Proposed | Qualification | Experience | Age Limit (Max) | Justification and Job Description |
|---|---|---|---|---|---|---|---|
| **1** | Senior Manager Wildlife | PPS-08 | 1 | MS/M.Phil. degree in Zoology, wildlife management, Ecology, or related field | Minimum 10 years of experience in wildlife management or conservation | 40 years | Monitor project performance and ecotourism operations.<br>Develop and implement biodiversity conservation strategies and action plans.<br>Responsible for the conservation, management, and protection of wildlife and their habitats. Enforce wildlife laws. |
| **2** | Security Manager | PPS-07 | 1 | Retired Army Official | Minimum 10 years of experience in security operations | 40 years | Security System Management, Implement and maintain security protocols to safeguard company assets. This includes monitoring surveillance systems, managing security personnel, and ensuring compliance |
| **3** | Manager Administration | PPS-07 | 1 | Minimum 16 years' education in Business Administration, Management or relevant field | Minimum 10 years of experience in administrative management | 40 years | Oversee all administrative functions, including office management, facilities management and procurement.<br>Develop and implement administrative policies and procedures. |
| **4** | IT Support Specialist | PPS-07 | 1 | Minimum 16 years' education in Information Technology, Computer Science, or related field | Minimum 10 years of experience in IT support and systems administration<br>Experience with network management | 35 years | Provide technical support for IT systems<br>Manage and troubleshoot networks and software<br>Assist with IT system maintenance<br>Provide training and support<br>Ensure cyber security<br>Drone operation |

| Sr. No | Position | PPS | Proposed | Qualification | Experience | Age Limit (Max) | Justification and Job Description |
|---|---|---|---|---|---|---|---|
| **5** | Document Controller | PPS-06 | 1 | Minimum 16 years' education in relevant field | At-least 05 years' relevant post qualification experience | 35 years | For efficient management and organization of documents within an organization, ensuring the integrity, accessibility, and compliance of critical records |
| **6** | Electrician | PPS-05 | 1 | Matric with certificate of electrician from a recognized Technical Training Institute | Minimum 03 years of experience in electrical maintenance | 30 years | Required for electrical works in the park |
| **7** | Office Attendant | PPS-02 | 1 | Primary education | Minimum 02 year of experience | 25 years | Responsible for providing general support and ensuring the smooth operation of daily office activities. This includes performing basic administrative tasks, managing office supplies, assisting staff, maintaining cleanliness, and ensuring that the office environment is organized |
| **8** | Gardener | PPS-02 | 2 | Primary education with gardening knowledge | Minimum 02 year of experience in gardening or horticulture work | 30 years | For maintaining the Orchard and upkeeping of the vegetation. |
| **9** | Guard | PPS-02 | 5 | At least Middle. The matric degree holders will get added advantage | Minimum 02 years of experience in security or related roles | 30 years | Required for security, as current staff is insufficient. |
| **10** | Janitor | PPS-02 | 3 | Primary education | Minimum 02 year of experience in cleaning or maintenance work | 25 years | Responsible for maintaining cleanliness and hygiene throughout the facility. This includes performing cleaning and maintenance tasks, ensuring that all areas are sanitary, safe, and presentable |

# RECRUITMENT COMMITTEE

The following recruitment committee may be approved for recruitment against project posts:

| | | |
|---|---|---|
| 1 | Director General Wildlife & Parks Punjab. | Chairman/Competent Authority |
| 2 | Project Director Project Management Unit, Wildlife & Parks Punjab. | Member |
| 3 | A representative of the Administrative Department to be nominated by Secretary FW&F. | Member |
| 4 | Representative of S&GAD not below the rank of Section Officer. | Member |
| 5 | Representative of Finance Department. | Member |
| 6 | Representative of Planning & Development Board. | Member |
| 7 | Representative of Punjab Information & Technology Board. | Member |
| 8 | Any other co-opted member(s) nominated by the Director General Wildlife & Parks Punjab. | Member |

Note: This Recruitment Committee will only be hiring for the Project Positions.

## TENTATIVE LIST OF FURNITURE

| Sr. No. | Item Name | No. |
|---|---|---|
| 1 | Office Furniture for ADW + VO + W. I | |
| i | Executive Desks | 03 |
| ii | Executive Chairs | 03 |
| iii | Visitor Chairs | 06 |
| iv | Small meeting table set | 01 (01 table, |
| v | Sofa | 01 |
| vi | Book Shelf | 01 |
| vii | Storage Cabinets | 03 |
| 2 | Furniture for Media Manager, GIS analyst & Veterinary Assistant office | |
| i | Work desk with multiple drawers and cable management system for multimedia devices (Media Manager) | 01 |
| ii | L-shaped Work Desk (GIS Analyst) | 01 |
| iii | Work desk (Veterinary Assistant) | 01 |
| iv | Ergonomic Chair | 03 |
| v | Visitor chairs | 06 |
| vi | Book Shelf | 01 |
| vii | Sofa | 01 |
| viii | Storage Cabinets | 03 |
| 3 | Other | |
| i | Steel Almirah for office | 08 |

# TENTATIVE TRAINING PLAN

| Training | Target Audience | Content | Duration |
|---|---|---|---|
| **Wildlife Management and Conservation** | Project staff, Researchers, Park Managers, Zookeepers | - Wildlife behaviour and habitat needs | 02 Days |
| | | - Captive animal management | |
| | | - Conservation strategies | |
| | | - One Health Approach | |
| **Ecotourism Management** | Park Managers, Guides, Tourism Officers | - Principles of sustainable ecotourism | 02 Days |
| | | - Visitor management | |
| | | - Promoting local culture | |
| | | - Revenue generation | |
| **Animal Care and Veterinary Services** | Veterinary Staff, Zookeepers | - Basic veterinary procedures | 02 Days |
| | | - Handling and transporting animals | |
| | | - Nutrition planning | |
| | | - Disease prevention | |
| **Research and Monitoring Techniques** | Project Staff, researchers, Conservationists | - Data collection methods | 02 Days |
| | | - Use of technology, such as, camera traps, drone operation and others. | |
| | | - Population monitoring | |
| | | - Research ethics | |
| **Environmental Education and Awareness** | Project staff, Guides, Educators, Public Outreach Teams | - Community engagement | 01 Day |
| | | - Conservation awareness campaigns | |
| | | - Visitor tools | |
| **Visitor Experience Enhancement** | Project staff, Guides, Visitor Services Staff | - Customer service skills | 01 Day |
| | | - Effective storytelling and interpretation | |
| | | - Managing large visitor groups | |

# LIST OF EXISTING SPECIES IN CHANGA MANGA

| Species | Number |
|---|---|
| **Mammals** | |
| Blue Bull | 8 |
| Mouflon Sheep | 21 |
| Hog Deer | 23 |
| Black Buck | 6 |
| Samber Deer | 4 |
| Monkey | 8 |
| **Total** | **70** |
| **Birds** | |
| Blue Peafowl | 16 |
| Black Shouldered Peafowl | 9 |
| White Peafowl | 3 |
| Pied Peafowl | 7 |
| Silver Pheasant | 34 |
| Ring Necked Pheasant | 37 |
| Green Pheasant | 45 |
| Chukar | 60 |
| Guinea Fowl | 1 |
| Emerald Peafowl | 2 |
| Quail | 120 |
| **Total** | **334** |

# LIST OF PROPOSED BIRDS IN CHANGA MANGA

| Sr No. | Name | Male | Female | Quantity |
|---|---|---|---|---|
| 1 | Scarlet Macaw | 2 | 2 | 4 |
| 2 | Green Winged Macaw | 4 | 4 | 8 |
| 3 | Blue and Gold Macaw | 4 | 4 | 8 |
| 4 | Moluccan Cockatoo | 2 | 2 | 4 |
| 5 | Umbrella Cockatoo | 1 | 1 | 2 |
| 6 | Crested Dove | 50 | 50 | 100 |
| 7 | Bare-Faced Curassow | 2 | 2 | 4 |
| 8 | Helmeted Curassow | 2 | 2 | 4 |
| 9 | Crowned Crane | 2 | 2 | 4 |
| 10 | Crested Guinea Fowl | 2 | 2 | 4 |
| 11 | Vulturine Guinea Fowl | 1 | 1 | 2 |
| 12 | Blue Eared Pheasant | 1 | 1 | 2 |
| 13 | Nicobar Pigeon | 20 | 20 | 40 |
| 14 | Victorian Crowned Pigeon | 4 | 4 | 8 |
| 15 | Titron Cockatoo | 2 | 2 | 4 |
| 16 | Galah Cockatoo | 5 | 5 | 10 |
| 17 | Due Cropped Cockatoo | 2 | 2 | 4 |
| 18 | Blue , White, Yellow Ring Necks Mix Parrots | 10 | 10 | 20 |
| 19 | Mandarine Duck | 20 | 20 | 40 |
| 20 | Egyptian geese | 3 | 3 | 6 |
| 21 | Grey leg geese | 3 | 3 | 6 |
| 22 | Black swan | 3 | 3 | 6 |
| 23 | Mute swan | 3 | 3 | 6 |
| 24 | Grey Parrot | 5 | 5 | 10 |
| 25 | Eclectus | 5 | 5 | 10 |
| 26 | Umbrella Cockatoo | 1 | 1 | 2 |
| 27 | Californian Quail | 10 | 10 | 20 |
| 28 | Pure Green Java Peacock | 10 | 10 | 20 |
| 29 | Lady Amherst Pheasant | 5 | 5 | 10 |
| 30 | Reeves's Pheasant | 5 | 5 | 10 |
| 31 | Ostrich | 5 | 5 | 10 |
| 32 | Emu | 5 | 5 | 10 |
| | **Total** | **199** | **199** | **398** |

*Note: The species may vary depending on the availability at the time of procurement.

## List of Proposed Mammals in Changa Manga

| Sr No. | Name | Male | Female | Total |
|---|---|---|---|---|
| 1 | Llama | 2 | 6 | 8 |
| 2 | Pony | 3 | 3 | 10 |
| 3 | Chinkara | 3 | 6 | 9 |
| 4 | Red Deer | 2 | 6 | 8 |
| 5 | Patas Monkey | 3 | 3 | 6 |
| | **Total** | **13** | **24** | **41** |

*Note: The species may vary depending on the availability at the time of procurement.

# RISK MITIGATION PLAN / STRATEGY

| Sr. No. | Risks | Causes / Factors | Effects | Risk Mitigation Plan | Institution/s Responsible to take corrective measures to mitigate risks | | | Nature of Risk |
|---|---|---|---|---|---|---|---|---|
| 1. | Lack of funds for timely execution of the project. | No funds released by provincial Government. | | Delay results in increase in project cost. | Government may prioritize funding for the project considering its impact / importance. | | P&D Department, Finance Department | High |
| 2. | Insufficient funding for the execution of the project. | Short funding of project. | | Delay results in increase in project cost. | Government may prioritize funding for the project considering its impact / importance. | | P&D Department, Finance Department | |
| 3. | Non-timely release of funds for the execution of the project. | Delay in release of funds due to approval / procedural matters. | | Delay results in increase in project cost. | Timely initiation of approval procedure to ensure early processing of case for release of funds. | | Wildlife & Parks Department | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4. | Delay / failure to undertake procurement. | Uncertain economic situation may result in delay in delivery of hardware.<br><br>Uncertain economic situation may result in price escalation of hardware. | Hindrance in implementatio n of project. | Reference may timely be initiated to complete the project activity | Wildlife & Parks Department | |
| There is no risk is involved in implementation of the Project. However, timely approval of procurements, timely procurement and release of funds by competent authority may be ensured in order to negate and minimize risks. | | | | | | |

## SELECTION CRITERIA

As per para 8 of the Recruitment Policy 2022, the following selection criteria is prescribed for specialized PPS posts under the project:

1. Educational Qualification (Maximum 30 marks):

a. Where prescribed minimum qualification is PhD / equivalent:

| Sr. No | Qualification | 1st Div | 2nd Div | 3rd Div |
|---|---|---|---|---|
| 1 | PhD 40% | 12 | 8 | 4 |
| 2 | MPhil 20% | 6 | 4 | 2 |
| 3 | Masters 15% | 4.5 | 3 | 1.5 |
| 4 | Bachelors 10% | 3 | 2 | 1 |
| 5 | Intermediate (10%) | 3 | 2 | 1 |
| 6 | Matric 5% | 1.5 | 1 | 0.5 |

b. Where prescribed minimum qualification is Masters / equivalent:

| Sr. No | Qualification | 1st Div | 2nd Div | 3rd Div |
|---|---|---|---|---|
| 1 | Masters 50% | 15 | 10 | 5 |
| 2 | Bachelors 30% | 9 | 6 | 3 |
| 3 | Intermediate (15%) | 4.5 | 3 | 1.5 |
| 4 | Matric 5% | 1.5 | 1 | 0.5 |

c. Where prescribed minimum qualification is Intermediate / equivalent:

| Sr. No | Qualification | A+ | A | B | C | D | E |
|---|---|---|---|---|---|---|---|
| 1 | Intermediate (60%) | 18 | 15 | 12 | 9 | 6 | 3 |
| 2 | Matric 40% | 12 | 10 | 8 | 6 | 4 | 2 |

d. Where prescribed minimum qualification is Matric / equivalent:

| Sr. No | Qualification | A+ | A | B | C | D | E |
|---|---|---|---|---|---|---|---|
| 1 | Matric 100% | 30 | 25 | 20 | 15 | 10 | 5 |

2. Experience in the relevant field (Maximum 20 marks)

(10 marks for fulfilment of prescribed experience. 2 marks additional for per year above the prescribed experience).

3. Interview (Maximum 50 marks)

# Chashma Barrage Wildlife Sanctuary

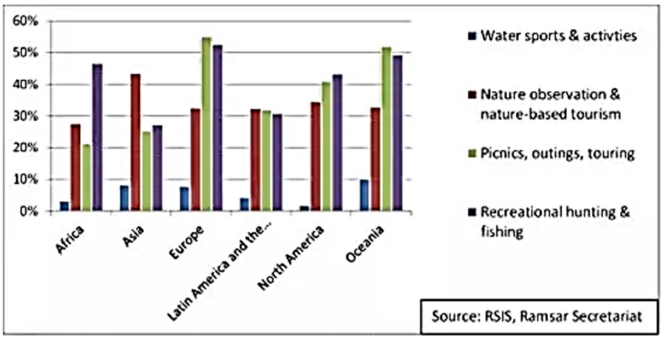
## Introduction

A storage reservoir on the Indus River supporting various aquatic plants. Up to 200,000 waterbirds of numerous species use the site for staging and wintering. An especially important staging area in spring and autumn for cranes. Over 50 species of birds, some of which are globally endangered, use the site for breeding. The site is used as storage for irrigation water, electricity generation, livestock grazing, reed harvesting, and fishing. Planned dam construction upstream would affect the water regime, limiting the site's use for water storage. Ramsar site no. 816. (Ramsar Site Information Service[1])

### Justification for Establishing Ecotourism Facilities at Ramsar Site

| Items/Facilities | Justification |
|---|---|
| **ZONATION**<br><br>**Zone – I** | According to the **Ramsar COP8 Resolution VIII.14, page 19, para 62**<br><br>"Another approach to zonation, and one that is not mutually exclusive to the 'core/buffer zonation' approach, is that of establishing zonation for a particular use of a site. An example could be the **use and development of a wetland for ecotourism.** Here zonation would be used to establish in which parts of a site ecotourism access can occur, where ecotourism infrastructure should be placed (e.g., the sensitive siting of a visitor centre), and from which parts of a site ecotourism should be excluded **owing to the sensitivity of those parts of the ecosystem to disturbance.** Such zonation schemes will generally cut across the core and buffer zones".<br><br>It has been made sure that the selected zone does not include any sensitive area, breeding or nesting site for the species. |
| Link Road to Connect DI Khan Road to Gernali Road<br><br>Access Road from Gernali Road to Chashma Ecotourism Zone | According to "**Destination Wetlands Supporting Sustainable tourism**" Published jointly by the Secretariat of the Ramsar Convention on Wetlands (Ramsar, Iran, 1971) and the World Tourism Organization (UNWTO). Page 28<br><br>There is provision of<br><br>"Investment in **infrastructure stimulated by tourism** also benefitting the poor in the locality, directly or through support to other sectors". |
| Parking for 100 Vehicles and 50 Motorcycles<br><br>Rest Rooms (6+6) Block Near Parking Block<br><br>Rest Rooms (6+6) Block Near Restaurant Block<br><br>Information Centre<br><br>Admin Block<br><br>Restaurant | According to **The Punjab Gazette (Extraordinary) January 27, 2025**<br><br>**"3A. Ecotourism.**- The responsible and sustainable ecotourism shall be that:<br>(d) minimizes environmental impact through low-impact activities, **sustainable infrastructure,** and responsible waste management;<br><br>According to "**Destination Wetlands Supporting Sustainable tourism**" Published jointly by the Secretariat of the Ramsar Convention on Wetlands (Ramsar, Iran, 1971) and the World Tourism Organization (UNWTO). Section 4.1.<br><br>"In terms of tourism, businesses need to be able to satisfy the |

[1] https://rsis.ramsar.org/ris/816#:~:text=Wildlife%20Sanctuary.,spring%20and%20autumn%20for%20cranes.

| Items/Facilities | Justification |
|---|---|
| | market demand from tourists, and to do so profitably, so that they can generate employment and other economic benefits that remain within the area and its host communities. Achieving this requires businesses that play to their strengths, by focusing on what they can best offer within the resources the destination can provide. These include the **availability and quality of accommodation** and **catering**, its **transport links and basic infrastructure, local supplies of goods and services**, as well as a destination's natural, historic and cultural resources". |
| Kids Play Zone Area – Dolphin Theme | According to ***The Ramsar Convention Manual, 6th ed. Page 13***[2]<br>The benefits of Ramsar site designation were often said to include: **increased public awareness**; increased participation by local stakeholders; greater support for protection of the site; increased access to conservation funding; and enhanced opportunities for research and ecotourism.<br><br>Furthermore, according to 11th Meeting of the Conference of the Parties to the Convention on Wetlands (Ramsar, Iran, 1971) "Wetlands: home and destination" Bucharest, Romania, 6-13 July 2012, **Resolution XI.7, Tourism, recreation and wetlands, para 4**<br><br>"NOTING that sustainable tourism and **recreation** can both benefit wetlands and contribute to the conservation of global biodiversity and sustainable development goals and targets, including the Millennium Development Goals (MDGs), climate change adaptation and mitigation, the Aichi targets established in the Strategic Plan for Biodiversity 2011-2020 adopted by the Convention on Biological Diversity, and the Ramsar Strategic Plan 2009-2015".<br><br>Moreover, the following image provides the global overview of tourism and recreation activities in Ramsar sites across different regions (source: RSIS, Ramsar Secretariat)<br><br>  <br><br>**Figure 1: Global overview of tourism and recreation activities in Ramsar Sites across different regions.** |
| Boating Deck | According to ***The Ramsar Convention Manual, 6th ed. Page 13***<br>The benefits of Ramsar site designation were often said to include: increased public awareness; **increased participation by local stakeholders**; greater support for protection of the site; increased access to conservation funding; and enhanced opportunities for research and **ecotourism**. |

[2] Ramsar Convention Secretariat, 2013. *The Ramsar Convention Manual: a guide to the Convention on Wetlands (Ramsar, Iran, 1971)*, 6th ed. Ramsar Convention Secretariat, Gland, Switzerland.

| Items/Facilities | Justification |
|---|---|
| | |
| Fishing Deck | According to **Chapter 2, section 2.1, Ramsar handbooks for the wise use of wetlands, 4th edition**<br><br>“The principal ways in which local and indigenous people benefit from wetlands include direct support to livelihood, contributions to quality of life, and ecosystem services. Livelihood benefits of wetlands are especially prevalent in developing or transitional countries, where local people depend on wetlands for **fishing** and hunting; collection of reeds or forest products; and farming, aquaculture and haying. The use of wetlands in these cases can be both for direct subsistence and, through market mechanisms, for cash income. In addition, there are other “cash” benefits of wetlands such as **ecotourism opportunities** and hunting operations, which generate revenues by attracting people from outside the area”. |
| Ecolodges Single Bed<br><br>Ecolodges Double Bed | **Resolution XI.7** on ‘Tourism, recreation and wetlands’ and the joint Ramsar-UNWTO publication, Destination Wetlands: Supporting Sustainable Tourism, published in 2012, exemplify the Ramsar Convention’s commitment to **sustainable tourism development.**<br><br>According to **Chapter 2, section 2.1, Ramsar handbooks for the wise use of wetlands, 4th edition**<br><br>“The principal ways in which local and indigenous people benefit from wetlands include direct support to livelihood, contributions to quality of life, and ecosystem services. Livelihood benefits of wetlands are especially prevalent in developing or transitional countries, where local people depend on wetlands for fishing and hunting; collection of reeds or forest products; and farming, aquaculture and haying. The use of wetlands in these cases can be both for direct subsistence and, through market mechanisms, for cash income. In addition, there are other “cash” benefits of wetlands such as ecotourism opportunities and hunting operations, which **generate revenues by attracting people from outside the area”.** |
| Boundary Wall Fence | According to The Punjab Gazette (Extraordinary) January 27,<br>**"3A. Ecotourism.**- The responsible and sustainable ecotourism shall be that:<br>(f) **ensures safety and well-being of tourists, local communities and wildlife**." |
| Complete Utilities Infrastructure Works WS/Sewerage<br><br>Complete Electrical and Electrical Distribution Works<br><br>Complete Fire Fighting and Fire Protection Works<br><br>Provision of Solar Facility | According to the guidance for addressing the implications for wetlands of policies, plans and activities in the energy sector (Resolution XI.10, 2012), para 19, page 7<br><br>“Adopt a precautionary approach when energy sector activities may seriously or irreversibly impact Ramsar Wetlands of International Importance or other internationally important wetlands, decommissioning of energy generation plants and **associated infrastructure as well as the management of wastes from energy generation should also be considered**”. |

# Uchali Wetland

## Introduction

Uchali lake is the largest lake of Uchali Wetlands Complex with an area of 943 (9.43 km2) hectares, 764 m above mean sea level, located 60 km northwest of Khushab and 13 km west of village Naushehra. It is brackish to hypersaline water lake. The depth of this lake varies from 0.2 to 6 m and pH of about 10. The lake was first declared as a wildlife sanctuary in 1985 and included in the Ramsar list on 22 March 1996.

There are two zones in Uchali, Zone-1 includes following facilities:

- Parking for 100 vehicles and 50 Motorcycles including Cat eyes and speed breakers on Main Road as per Master Plan.
- Rest rooms block near parking (6+6) Block
- Information Centre
- Cultural Bazaar
- Restaurant
- Photographic Deck
- Painting Spots
- Boating Deck

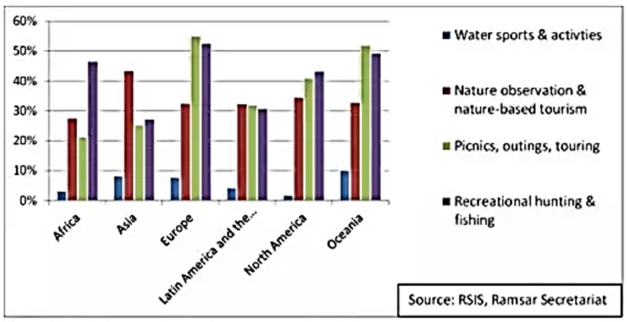
Following facilities are part of Zone-2:

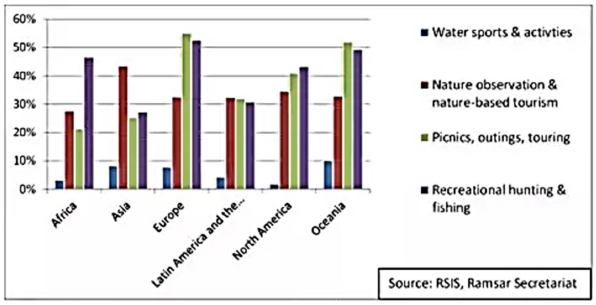
- Ecolodges single beds
- Ecolodges Double beds
- Glamping Pods single beds
- Glamping Pods Double beds
- Star Gazing Tower
- Kids Play zone Area Near Ecolodges
- Boating Deck in Zone 2
- Boundary Fencing for the Zone 2
- Watch Towers/Security Towers for Zone 2
- Landscaping Area
- Admin Block
- Complete Utilities Infrastructure Works WS/Sewerage
- Complete Electrical and Electrical Distribution Works
- Complete Fire Fighting and Fire Protection Works
- Provision of Solar Facility

### Justification for Establishing Ecotourism Facilities at Ramsar Site

| Items | Justification |
|---|---|
| **Zonation** | According to the Ramsar COP8 Resolution VIII.14, page 19, para 62<br><br>“Another approach to zonation, and one that is not mutually exclusive to the ‘core/buffer zonation’ approach, is that of establishing zonation for a particular use of a site. An example could be the **use and development of a wetland for ecotourism.** Here zonation would be used to establish in which parts of a site ecotourism access can occur, where ecotourism infrastructure should be placed (e.g., the sensitive siting of a visitor centre), and from which parts of a site ecotourism should be excluded **owing to the sensitivity of those parts of the ecosystem to disturbance.** Such zonation schemes will generally cut across the core and buffer zones”. |

| Items | Justification |
|---|---|
| | It has been made sure that the selected zone does not include any sensitive area, breeding or nesting site for any species. |
| Parking for 100 vehicles and 50 Motorcycles including Cat eyes and speed breakers on Main Road as per Master Plan.<br><br>Rest rooms block near parking (6+6) Block<br><br>Information Centre<br><br>Restaurant<br><br>Admin Block<br><br>Landscaping Area | According to The Punjab Gazette (Extraordinary) January 27, 2025<br>**"3A. Ecotourism. -** The responsible and sustainable ecotourism shall be that:<br>(d) minimizes environmental impact through low-impact activities, **sustainable infrastructure,** and responsible waste management;<br><br>According to "Destination Wetlands Supporting Sustainable tourism" Published jointly by the Secretariat of the Ramsar Convention on Wetlands (Ramsar, Iran, 1971) and the World Tourism Organization (UNWTO). Section 4.1.<br><br>In terms of tourism, businesses need to be able to satisfy the market demand from tourists, and to do so profitably, so that they can generate employment and other economic benefits that remain within the area and its host communities. Achieving this requires businesses that play to their strengths, by focusing on what they can best offer within the resources the destination can provide. These include the **availability and quality of accommodation** and **catering**, its **transport links and basic infrastructure, local supplies of goods and services**, as well as a **destination's natural, historic and cultural resources.** |
| Cultural Bazaar | According to The Punjab Gazette (Extraordinary) January 27, 2025<br>**"3A. Ecotourism. -** The responsible and sustainable ecotourism shall be that:<br>(c) **supports and benefits local communities**, promoting their economic development and **cultural heritage**;<br><br>According to "**Destination Wetlands Supporting Sustainable tourism**" Published jointly by the Secretariat of the Ramsar Convention on Wetlands (Ramsar, Iran, 1971) and the World Tourism Organization (UNWTO). Section 4.1.<br><br>"In terms of tourism, businesses need to be able to satisfy the market demand from tourists, and to do so profitably, so that they can generate employment and other economic benefits that remain within the area and its host communities. Achieving this requires businesses that play to their strengths, by focusing on what they can best offer within the resources the destination can provide. These include the availability and quality of accommodation and catering, its transport links and basic infrastructure, local supplies of goods and services, as well as a destination's natural, historic and **cultural resources"**. |
| Photographic Deck<br><br>Painting Spots<br><br>Star Gazing Tower | According to ***The Ramsar Convention Manual, 6th ed. Page 13***<br>"The benefits of Ramsar site designation were often said to include: **increased public awareness**; increased participation by local stakeholders; greater support for protection of the site; increased access to conservation funding; and enhanced opportunities for research and |

| Items | Justification |
|---|---|
| | **ecotourism".**<br><br>Furthermore, according to 11th Meeting of the Conference of the Parties to the Convention on Wetlands (Ramsar, Iran, 1971) "Wetlands: home and destination" Bucharest, Romania, 6-13 July 2012, **Resolution XI.7, Tourism, recreation and wetlands, para 4**<br><br>"NOTING that sustainable tourism and **recreation** can both benefit wetlands and contribute to the conservation of global biodiversity and sustainable development goals and targets, including the Millennium Development Goals (MDGs), climate change adaptation and mitigation, the Aichi targets established in the Strategic Plan for Biodiversity 2011-2020 adopted by the Convention on Biological Diversity, and the Ramsar Strategic Plan 2009-2015".<br><br>Moreover, the following image provides the global overview of tourism and recreation activities in Ramsar sites across different regions (source: RSIS, Ramsar Secretariat)<br>  <br><br>**Figure 1: Global overview of tourism and recreation activities in Ramsar Sites across different regions.**<br><br>According to The Punjab Gazette (Extraordinary) January 27, 2025<br>**"3A. Ecotourism.** - The responsible and sustainable ecotourism shall be that:<br>(b) **educates and raises awareness among tourists** and local communities about importance of conservation and sustainable use of natural resources; |
| Boating Deck<br>Zone-1 and Zone-2 | According to ***The Ramsar Convention Manual, 6th ed. Page 13***<br>The benefits of Ramsar site designation were often said to include: increased public awareness; **increased participation by local stakeholders**; greater support for protection<br>of the site; increased access to conservation funding; and enhanced opportunities for research and **ecotourism**. |
| Ecolodges single beds<br>Ecolodges Double beds<br>Glamping Pods single beds<br>Glamping Pods Double beds | Resolution XI.7 on 'Tourism, recreation and wetlands' and the joint Ramsar-UNWTO publication, Destination Wetlands: Supporting Sustainable Tourism, published in 2012, exemplify the Ramsar Convention's commitment to **sustainable tourism development.**<br><br>**According to Chapter 2, section 2.1, Ramsar handbooks for the wise use of wetlands, 4th edition** |

| Items | Justification |
|---|---|
| | The principal ways in which local and indigenous people benefit from wetlands include direct support to livelihood, contributions to quality of life, and ecosystem services. Livelihood benefits of wetlands are especially prevalent in developing or transitional countries, where local people depend on wetlands for fishing and hunting; collection of reeds or forest products; and farming, aquaculture and haying. The use of wetlands in these cases can be both for direct subsistence and, through market mechanisms, for cash income. In addition, there are other “cash” benefits of wetlands such as ecotourism opportunities and hunting operations, which **generate revenues by attracting people from outside the area.** |
| Kids Play zone Area Near Ecolodges | According to 11th Meeting of the Conference of the Parties to the Convention on Wetlands (Ramsar, Iran, 1971) “Wetlands: home and destination” Bucharest, Romania, 6-13 July 2012, **Resolution XI.7, Tourism, recreation and wetlands, para 4**<br><br>“NOTING that sustainable tourism and **recreation** can both benefit wetlands and contribute to the conservation of global biodiversity and sustainable development goals and targets, including the Millennium Development Goals (MDGs), climate change adaptation and mitigation, the Aichi targets established in the Strategic Plan for Biodiversity 2011-2020 adopted by the Convention on Biological Diversity, and the Ramsar Strategic Plan 2009-2015”.<br><br>Moreover, the following image provides the global overview of tourism and recreation activities in Ramsar sites across different regions (source: RSIS, Ramsar Secretariat)<br>  <br><br>**Figure 1: Global overview of tourism and recreation activities in Ramsar Sites across different regions.** |
| Boundary Fencing for the Zone 2<br>Watch Towers/Security Towers for Zone 2 | According to The Punjab Gazette (Extraordinary) January 27, 2025<br>**"3A. Ecotourism.** - The responsible and sustainable ecotourism shall be that:<br>(f) **ensures safety and well-being of tourists, local communities and wildlife**." |

Annexure21 - Justification for establishment of Eco-tourism Spots at Ramsar sites

| Items | Justification |
|---|---|
| Complete Utilities Infrastructure Works WS/Sewerage<br><br>Complete Electrical and Electrical Distribution Works<br><br>Complete Fire Fighting and Fire Protection Works<br><br>Provision of Solar Facility | According to the guidance for addressing the implications for wetlands of policies, plans and activities in the energy sector (Resolution XI.10, 2012), para 19, page 7<br><br>"Adopt a precautionary approach when energy sector activities may seriously or irreversibly impact Ramsar Wetlands of International Importance or other internationally important wetlands, decommissioning of energy generation plants and **associated infrastructure as well as the management of wastes from energy generation should also be considered**". |

| No. of Years | FIXED COST | Benefits | O & M Cost | Discounted Benefits | Discounted O & M @12% | Discounted Fixed Cost @12% | Economic Cost (SCF 0.87) | Economic benefit (SCF 0.87) | Net Benefit | PV |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| 1 | 810 | | | | | 705 | 705 | | -705 | -629 |
| 2 | 7,984 | | | | | 6,946 | 6,946 | | -6,946 | -5,537 |
| 3 | | 600 | 355 | 522 | 309 | - | 309 | 522 | 213 | 152 |
| 4 | | 660 | 391 | 574 | 340 | - | 340 | 574 | 234 | 149 |
| 5 | | 726 | 430 | 632 | 374 | - | 374 | 632 | 258 | 146 |
| 6 | | 799 | 473 | 695 | 411 | - | 411 | 695 | 284 | 144 |
| 7 | | 878 | 520 | 764 | 452 | - | 452 | 764 | 312 | 141 |
| 8 | | 966 | 572 | 841 | 497 | - | 497 | 841 | 343 | 139 |
| 9 | | 1,063 | 629 | 925 | 547 | - | 547 | 925 | 378 | 136 |
| 10 | | 1,169 | 692 | 1,017 | 602 | - | 602 | 1,017 | 415 | 134 |
| 11 | | 1,286 | 761 | 1,119 | 662 | - | 662 | 1,119 | 457 | 131 |
| 12 | | 1,415 | 837 | 1,231 | 728 | - | 728 | 1,231 | 503 | 129 |
| 13 | | 1,556 | 921 | 1,354 | 801 | - | 801 | 1,354 | 553 | 127 |
| 14 | | 1,712 | 1,013 | 1,489 | 881 | - | 881 | 1,489 | 608 | 124 |
| 15 | | 1,883 | 1,114 | 1,638 | 969 | - | 969 | 1,638 | 669 | 122 |
| 16 | | 2,071 | 1,226 | 1,802 | 1,066 | - | 1,066 | 1,802 | 736 | 120 |
| 17 | | 2,278 | 1,348 | 1,982 | 1,173 | - | 1,173 | 1,982 | 809 | 118 |
| 18 | | 2,506 | 1,483 | 2,181 | 1,290 | - | 1,290 | 2,181 | 890 | 116 |
| 19 | | 2,757 | 1,631 | 2,399 | 1,419 | - | 1,419 | 2,399 | 979 | 114 |
| 20 | | 3,033 | 1,794 | 2,638 | 1,561 | - | 1,561 | 2,638 | 1,077 | 112 |
| 21 | | 3,336 | 1,974 | 2,902 | 1,717 | - | 1,717 | 2,902 | 1,185 | 110 |
| 22 | | 3,670 | 2,171 | 3,193 | 1,889 | - | 1,889 | 3,193 | 1,304 | 108 |
| 23 | | 4,036 | 2,388 | 3,512 | 2,078 | - | 2,078 | 3,512 | 1,434 | 106 |
| 24 | | 4,440 | 2,627 | 3,863 | 2,286 | - | 2,286 | 3,863 | 1,577 | 104 |
| 25 | | 4,884 | 2,890 | 4,249 | 2,514 | - | 2,514 | 4,249 | 1,735 | 102 |
| 26 | | 5,373 | 3,179 | 4,674 | 2,766 | - | 2,766 | 4,674 | 1,909 | 100 |
| 27 | | | | | | | | | | |

| No. of Years | FIXED COST | Benefits | O & M Cost | Discounted Benefits | Discounted O & M @12% | Discounted Fixed Cost @12% | Economic Cost (SCF 0.87) | Economic benefit (SCF 0.87) | Net Benefit | PV |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 5,910 | 3,497 | 5,142 | 3,042 | - | 3,042 | 5,142 | 2,099 | 98 |
| 28 | | 6,501 | 3,846 | 5,656 | 3,346 | - | 3,346 | 5,656 | 2,309 | 97 |
| 29 | | 7,151 | 4,231 | 6,221 | 3,681 | - | 3,681 | 6,221 | 2,540 | 95 |
| 30 | | 7,866 | 4,654 | 6,843 | 4,049 | - | 4,049 | 6,843 | 2,794 | 93 |
| 31 | | 8,653 | 5,119 | 7,528 | 4,454 | - | 4,454 | 7,528 | 3,074 | 92 |
| 32 | | 9,518 | 5,631 | 8,281 | 4,899 | - | 4,899 | 8,281 | 3,381 | 90 |
| 33 | | 10,470 | 6,195 | 9,109 | 5,389 | - | 5,389 | 9,109 | 3,719 | 88 |
| 34 | | 11,517 | 6,814 | 10,019 | 5,928 | - | 5,928 | 10,019 | 4,091 | 87 |
| 35 | | 12,668 | 7,495 | 11,021 | 6,521 | - | 6,521 | 11,021 | 4,500 | 85 |
| 36 | | 13,935 | 8,245 | 12,124 | 7,173 | - | 7,173 | 12,124 | 4,950 | 84 |
| 37 | | 15,329 | 9,069 | 13,336 | 7,890 | - | 7,890 | 13,336 | 5,445 | 82 |
| 38 | | 16,861 | 9,976 | 14,669 | 8,679 | - | 8,679 | 14,669 | 5,990 | 81 |
| 39 | | 18,548 | 10,974 | 16,136 | 9,547 | - | 9,547 | 16,136 | 6,589 | 79 |
| 40 | | 20,402 | 12,071 | 17,750 | 10,502 | - | 10,502 | 17,750 | 7,248 | 78 |
| **TOTAL** | | | | | | | **120,086** | **190,031** | | **-1,955** |

**COST/BENEFIT = 1.58**

042-99059336

No.4 (4)CONS/P&D/2025
**GOVERNMENT OF THE PUNJAB**
PLANNING AND DEVELOPMENT BOARD
Dated Lahore **19th May**, 2025

To

**Project Director (PMU)**
Wildlife & Parks Department,
Lahore

Subject: **APPROVAL OF TORS FOR DESIGN AND SURVERY AND RESIDENT CONSTRUCTION SUPERVISION OF SCHEME TITLED ECO TOURISM AT CHANGA MANGA AND RAMSAR SITES.(SECTOR: FW&F).**

I am directed to refer to your office letter No. PD/PMU/W&P/12/261 dated 30.04.2025 on the subject noted above and to convey the approval of **enclosed** Terms of Reference (TORs)for hiring the services of Consultancy firm for conducting Design & Surveys and Resident Supervision under the scheme titled **"Eco Tourism at Changa Manga and Ramsar Sites"** duly approved by the Authority.

2. Further necessary action may be taken by the Procuring Agency as per Punjab Procurement Rules, 2014.

19/05/25

**Planning Officer (Consultancy-II)**

**CC:**

i. Assistant chief (FW&F) w.r.t to his reference letter mentioned above.
ii. PA to Director General, Wildlife and Parks Department.
iii. PS to Member (Env.&CC), Planning & Development Board Lahore.
iv. PA to Sr. Chief (Consultancy), Planning & Development Board, Lahore.
v. Concerned file

# TERMS OF REFERENCE FOR HIRING OF DESIGN CONSULTANT

## 1. INTRODUCTION:

### a. BACKGROUND, PREVIOUS STUDIES CONDUCTED ON THE ISSUE:

Punjab Wildlife & Parks Department is the sole custodian of wildlife resources of the Punjab province. Mandate of the Punjab Wildlife & Parks Department is protection, preservation, conservation and management of wild animals and birds in such a way that the sustainable use of this renewable natural resource is ensured over long period of time by the coming generations. Shrinkage of habitat due to anthropogenic activities, agricultural expansion, leases of state lands particularly in natural habitats of wildlife for agriculture, mining & other commercial activities etc., habitat fragmentation and above all the climate change are the major factors contributing towards rapid decline in number of wildlife species. To cater for prevailing scenario, the Department has established a network of protected areas (in-situ conservation sites) and chain of captive breeding facilities (ex-situ conservation sites) throughout the Punjab Province. Whereas, the department has also undertaken various development activities both for in-situ and ex-situ conservation of precious wildlife resources. The ex-situ conservation facilities developed by the department are mainly meant for breeding of extirpated / endangered wildlife species in order to provide progeny for release in natural habitats apart from providing recreation and orientation about the importance of wildlife and its role in eco-system to general public. Similarly, the in-situ conservation sites i.e. protected areas are meant for conservation of wildlife species and their natural habitats and being national heritage sites harboring natural features and scenic beauty, hence making way for exploring their eco-tourism potential. Such interventions leading to local areas development with employment generation opportunities also curtail pressure on natural resources due to indiscriminate overexploitation through the factors as envisaged above. The Changa Manga Wildlife Reserve (recently declared as wildlife reserve from its previous status as Wildlife Sanctuary) in district Kasur though undergone time to time development activities for provision of eco-tourism facilities to the public but its absolute potential in this regard is yet to be explored. Furthermore, the eco-tourism potential of Uchali wetlands complex is remained under consideration for eco- tourism developments but not yet materialized. Whereas, development and implementation of a master plan principally to provide eco-tourism facilities to the public / tourist will lead to improved environmental / social health and serve an excellent intervention for wildlife as well as natural habitats conservation along with public recreation and ecosystem education. Therefore, the objectives of this project have been designed to provide environmentally sustainable ecotourism avenues to the general public as well as tourists and the same will led to local area development, employment generation and exploration of alternate livelihood means to curtail pressure on natural resources apart from conservation and preservation of natural resources.

Therefore, the present scheme has been conceived for master planning and its implementation for eco-tourism development in protected areas viz., Changa

Manga Public Wildlife Reserve and Uchali wetlands complex in districts Kasur, Chakwal and Khushab respectively of Punjab Province and, hence, is closely linked with objectives of wildlife sector.

The current setup of requires up-gradation to improve its facilities for endangered species and enhance its educational value. The existing model of the zoo does not fully address contemporary demands for interactive and eco-friendly visitor experiences.

The initiative is also aimed at boosting the local economy through increased tourism and job creation, responding to the area's economic needs.

## 2. IMPLEMENTING AGENCIES:

- SPONSORING AGENCY: Forestry, Wildlife, Fisheries Department
- EXECUTION AGENCY: Forestry, Wildlife Department
- OPERATIONS AND MAINTENANCE AGENCY: Wildlife Department

## 3. PROJECT LOCATION AND GEOGRAPHICAL AREA TO BE COVERED

### a. Changa Manga Wildlife Reserve Kasur

This Project is going to be implemented in the Changa Manga Wildlife Park, was initially a Wildlife Sanctuary and situated at a distance of about 70km from Lahore in District Kasur. A wildlife park was developed on 40-acre chunk of this plantation in 1983 with the objectives to provide recreational facility and awareness to general public regarding importance of wildlife and its conservation. Another objective was to facilitate eco-tourism in the area. The park as well as wildlife reserve have enormous potential for eco-tourism, hence, its master planning and implementation for eco-tourism has been conceived through the current project. The existing facilities will be improved through this project along with addition of nature-based tourism interventions to achieve the objectives for its declaration as wildlife reserve and the center for Eco Tourism in the Out Skirts of the Lahore.

### b. WETLAND UCHALI

The eco-tourism potential of Uchali wetlands complex is remained under consideration for eco-tourism developments but not yet materialized. Therefore, the same has also been included in the project for eco-tourism developments in order to present it for an excellent tourist attraction being a heaven for avian species particularly migratory waterfowls.

Uchali is a saltwater lake in Soan Sakaser Valley in the southern Salt Range area in the province of Punjab, Pakistan.

Sakaser, the highest mountain in the Salt Range at 1525 meters looms over the lake.

Due to its saline water, the lake does not support marine life, but it offers picturesque scenery. Boats are available.

The lake is part of the Uchali Complex, which also includes two other brackish to saline lakes: Khabikki Lake, and Jahlar Lakes. The Uchali Complex was designated a Ramsar site on March 22, 1996.

**c. WETLAND – CHASHMA**

Chashma Barrage is located in Mianwali District, Punjab, Pakistan. It was declared open to the public in 1972. Since the 1970s, the population of the Indus River dolphins has significantly increased there. It is a very important breeding and wintering area for wide variety of waterfowl regularly 20000 birds it is the largest preservation area for endangered Indus dolphins. The official wildlife sanctuaries in this district as per record of the wildlife department are Chashma Lake spread over 81,750 acres, These sanctuaries receive every year thousands of migratory birds coming from Siberia. Besides migratory birds, the plantation sanctuaries have in abundance white and black partridges, quails, wild bores, jackals, foxes, wolves and rabbits.

The sanctuary has great potential for the development of eco-tourism in this part of Pakistan. Blind dolphins, an endemic species of the Indus River, can be observed here.

This project seeks to create an unparalleled experience that combines wildlife conservation, education, and entertainment. The park will feature both diurnal and nocturnal habitats, as well as aquatic exhibits, to offer the public an opportunity to witness the marvels of biodiversity. The project will set a new standard for eco-tourism and biodiversity conservation.

## 4. OBJECTIVES OF THE DESIGN CONSULTANCY:

### a. OVERALL OBJECETIVES:

The Consultant shall be fully responsible for confidentiality, correctness and accuracy of the reports, documents, drawings, bill of quantities, Engineer's Cost Estimate, Specifications, complete Tender documents and other deliverables prepared as part of the Services as required by the Client (PMU, Punjab Wildlife and Parks Department).

**b. SPECIFIC OBJECTIVES:**

The main objectives of this consultancy are to provide comprehensive design services, including detailed Master planning, architectural, structural, detailed infrastructure design including water, sewerage, electrical distribution, Information Technology Infrastructure and all associated engineering designs including pavements design, electric tram track design, plumbing design, water supply, sewerage, drainage, wastewater treatment (if needed), mechanical, and electrical complete system and network design.

**5. SCOPE OF WORK:**

Scope broadly includes the followings but is not limited to:

The scope statement includes comprehensive design services, including detailed Master planning, architectural, structural, detailed infrastructure design including water, sewerage, electrical distribution, Information Technology Infrastructure and all associated engineering designs including pavements design, electric tram track design, plumbing design, water supply, sewerage, drainage, wastewater treatment (if needed), mechanical, and electrical complete system and network design.

Consultant is hereby is required to submit the following detailed surveys to the Client:

**a. Topographic Survey:**

Carry out a detailed Topographical Survey to determine and record the exact layout of Site and adjacent areas (roads, structures, etc.), physical features, site levels, location of existing roads, services (above and belowground), existing structures (if any) and all other pertinent information and conditions relevant to the Project site.

**b. Geotechnical Investigations:**

Carry out a Geotechnical Investigation, by a specialized sub-contractor that is approved by the Client. The investigations shall provide detailed information on the nature of the sub-strata, superficial deposits, ground water, seismic analysis and recommendations on the foundation design required for the project. Site investigations shall be carried out in accordance with the latest relevant ASTM Standards. A minimum outline of Geotechnical investigation work will be approved by the Client.

**c. Electrical Resistivity Survey (ERS):**

ERS is required to be carried out at the above-mentioned project area to estimate the quality and quantity of the underground water and the configuration of the water bearing aquifer. Vertical Electrical Sounding (VES) shall be used to an estimated depth of about 300 meters by deploying appropriate arrays / electrode configuration, with minimum number of probes are not less than 60.

**d. Hydrological Study:**

The Consultant shall submit the detailed hydrologic study report for the project after successfully finishing / accomplishing the task. The following Hydrologic Criteria should also be mentioned in the design report: Design rainfall, Runoff calculation method(s), detention discharge and storage calculations, design storm recurrence intervals etc.

e. **Environment & Social Management including Climate Studies:**

The Consultant shall consider and embed existing reports and materials related to Initial Environmental / Social Examination (IESE) / Environmental / Social Impact Assessment (ESIA) / Environmental / Social Management Plan (ESMP) according to the requirement of Environmental & Social Framework and Environment Protection Department for the execution of project.

**f. Detailed Design & Bidding Documents:**

Design of the Project**:** Submitting the detailed Master Planning of the site to the Client including the Conceptual Plans (in 2D & 3D) & Graphical Videos, Topographical Survey, Soil investigation and Geo Technical Investigations, EIA Reports to the Client. This will include the Submitting the Design, Complete Layout & Drawings including the Preliminary Design as well as the final detailed drawings to appropriate scales will include the following:

Site plan Showing all the Access Routes, Parking Areas, Existing and Proposed Contours, Plantings Areas, and Project Limit Lines. Infrastructure including Electric Tram Track Layout plan, geometric design and structural design, Utilities Preliminary design/Final Designs and Drawings for infrastructure and utilities including Value Engineering exercises of alternative materials and Design solutions.

**(i)** Develop a Detailed Request for Proposal (RFP)/Pre-Qualification Documents

for the Hiring of the Contractor for the Infrastructure Development Works, Animal Procurement, and other Essential Components, adhering to international standards as per the Requirements of the Client.

**(ii).** The Consultant shall prepare comprehensive particular specifications covering all aspects of the work, noting the requirements of Client.

**(ii).** The detailed design shall comprise detailed and fully coordinated Bidding Drawings, Specifications and other Documents etc.

**(iv).** The Consultant shall prepare and submit a Cost Estimate for the project, supported by fully priced Bills of Quantities additionally The Consultant shall assist in getting the Technical Sanction and provide all the necessary backup data to the competent authority.

**(v).** Consultant must ensure that the designs meet technical specifications and align with environmental and the project objectives. Submission and Approval of detailed Architectural (2D & 3D views) and structural design along with the tender drawings from the Client at every stage is necessary.

The Consultant shall not proceed with the Design unless the Architectural and Engineering Concepts are approved by the Client.

i. **Project Representation:** Act as the official representative of the Project Management Unit (PMU) - Punjab Wildlife and Parks Department throughout the project lifecycle.

ii. **Technical Oversight and Guidance:** Provide expert advice to ensure the project aligns with the department's goals and international best practices, especially concerning design, construction, and animal procurement.

iii. **Preparation of Detailed Design and Cost Estimates:** Lead the preparation of comprehensive engineering designs and cost estimates.

**Adherence to Design Standards:** Ensure that all designs meet local and international standards and codes, focusing on environmental sustainability and biodiversity

Upon completion of all deliverables related to Design Phase the Consultant will be submitting the construction drawings etc. to the Client.

## 6. REPORTING/DELIVERABLES WITH TIMELINES:

Design delivery duration including surveys and investigations is estimated as 12 weeks (3 months) from the day of award for Design Consultancy Services.

### A. DESIGN CONSULTANT – SURVEY AND DESIGN DELIVERABLES:

| Sr. No. | Deliverables | TIME DURATION (From Design Consultant Award) |
|---|---|---|
| **Surveys and Reports** | | |
| 1 | Complete Surveys and Investigations including Topographic Survey, Geo-technical Surveys/Investigation and Hydrological Study including submission of complete reports separately for each component. | 4 Weeks |
| 2 | Complete Environmental Impact Assessment Report | 4 Weeks |
| **Sr. No.** | **Deliverables** | **TIME DURATION** (From Completion of Surveys/Investigations) |
| **Design** | | |
| 3 | Preparation and Submission of Preliminary Design | 2 Weeks from Completion of Surveys/Investigations |
| 4 | Preparation and Submission of Detailed Design, Specifications, and Engineer's Cost Estimates | 4 Weeks succeeding Approval of Preliminary Design |
| 5 | Preparation of RFP/Bid Documents for the hiring of contractors and consultants, including Cost Estimates and BOQs, Specifications, and TORs | 2 Weeks succeeding substantial completion of Detailed Design |

## B. TIMELINES:

| Sr. No. | SCOPE OF WORK | TIME DURATION (From Design Consultant Award) | W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 | W9 | W10 | W11 | W12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SURVEYS AND REPORTS** | | | | | | | | | | | | | | |
| 1 | Complete Surveys and Investigations including Topographic Survey and Geo-technical Surveys/Investigation and Hydrological Survey including submission of complete report separately for each component. | 4 Weeks | | | | | | | | | | | | |
| 2 | Complete Environmental Impact Assessment Report | 4 Weeks | | | | | | | | | | | | |
| **DESIGN AND DESIGN DELIVERABLES** | | | | | | | | | | | | | | |
| 3 | Preparation and Submission of Preliminary Design | 2 Weeks | | | | | | | | | | | | |
| 4 | Preparation and Submission of Detailed Design, Specifications, and Engineer's Cost Estimates | 4 Weeks | | | | | | | | | | | | |
| 5 | Preparation of RFP/Bid Documents for the hiring of contractors and consultants, including Cost Estimates and BOQs, Specifications, and TORs | 2 Weeks | | | | | | | | | | | | |

## 7. CORE TEAM OF EXPERTS REQUIRED, INDICATING ACADEMIC

### A. SURVEYS AND REPORTS TEAM:

| SR. NO. | EXPERT POSITION NAME | NO OF POSITIONS | NO OF MONTHS | QUALIFICATIONS | YEARS OF EXPERIENCE | JOB DESCRIPTION |
|---|---|---|---|---|---|---|
| 1 | Geo Tech Engineer | 3 | 1 | Minimum Bachelor's Degree in Civil Engineering | 10 | Must be an expert in analyzes soil, rock, and groundwater conditions at construction sites to assess their suitability for building projects, providing crucial information for foundation design and ensuring structural stability by identifying potential geological hazards like landslides or unstable slopes. |
| 2 | Senior Hydrologist | 1 | 1 | Master's Degree in Hydrology | 10 | To study relationships between soil and rock features, rainfall and water run-off<br>To use specialist computer modelling applications<br>To employ statistical and hydrological modelling techniques<br>To assess the impact of environmental changes and land use changes<br>To predict and monitoring rainfall, water yields and usage<br>To liaison with clients, consultants, water regulators, researchers, external bodies and other professionals<br>To produce water and drought management plans<br>To ensure appropriate regulations are implemented<br>To keep up to date with scientific and technical developments |
| 3 | AutoCAD Operator | 4 | 1 | Minimum Diploma in Draftsman (2 yrs) in relevant discipline | 5 | To prepare multiple versions of drawings (shop drawings) to review by the RE/Client in compliance with Design Specifications and design. |
| 4 | Document Controller | 1 | 1 | Minimum Graduation | 5 | Maintain complete record and data for the files and reports during the project cycle. |
| 5 | Surveyors | 10 | 1 | Minimum Diploma in Civil Engineering | 10 | To establish control points and perform detailed topographic survey on site at the beginning of project as per design requirement. |
| 6 | Environmental Engineer | 2 | 1 | Master's Degree in Environmental Science | 10 | Prepare, review, update, and present reports to the EPD Dept and help the Client getting the relevant NOCs protect the environment and to help in the promotion of the Eco Tourism, provide strategic input for Environmental and Social Impact Assessment Report (ESIA) Formulation and Assisting Clients in getting the relevant Approvals from the departments |

### B. DESIGN TEAM:

| Sr. No. | Expert Position Name | No of Positions | No of Months | Qualification | Years of Experience | Job Description |
|---|---|---|---|---|---|---|
| 1. | Team Leader/Project Manager | 1 | 3 | Minimum Bachelor of Engineering (BSc/BE) degree in Civil Engineering with M.Sc. In Transport/Utilities | 15 | Develop and create designs for railway infrastructure (e.g., tracks, bridges, stations), rolling stock (e.g., locomotives, passenger cars), and signalling systems.<br>Perform calculations and analyses to ensure the structural integrity, safety, and performance of railway systems.<br>Utilize CAD (Computer-Aided Design), BIM (Building Information Modelling), and other engineering software for design and documentation.<br>Work effectively with other engineers, project managers, and stakeholders to ensure seamless project execution.<br>Prepare detailed technical drawings, specifications, and reports for various design aspects.<br>Ensure adherence to safety standards and regulations throughout the design process. |
| 2. | Horticulture Specialist | 1 | 3 | M.Sc. (Hons.) in Horticulture | 7 | Provide design expertise for landscaping and architectural elements. Guide the aesthetic and functional aspects of landscaping for the project. plans, designs, and maintains gardens, parks, and other green spaces |
| 3 | Railway /Tram Design Specialist | 1 | 3 | M.sc. (Hons.) in Railway Engineering | 10 | Develop and create designs for railway infrastructure (e.g., tracks, bridges, stations), rolling stock (e.g., locomotives, passenger cars), and signaling systems.<br>Perform calculations and analyses to ensure the structural integrity, safety, and performance of railway systems.<br>Utilize CAD (Computer-Aided Design), BIM (Building Information Modeling), and other engineering software for design and documentation.<br>Work effectively with other engineers, project managers, and stakeholders to ensure seamless project execution.<br>Prepare detailed technical drawings, specifications, and reports for various design aspects.<br>Ensure adherence to safety standards and regulations throughout the design process. |
| 4. | Assistant Horticulture Specialist | 2 | 3 | B.Sc. (Hons.) in Horticulture | 5 | Provide design expertise for landscaping and architectural elements. Guide the aesthetic and functional aspects of landscaping for the project. plans, designs, and maintains gardens, parks, and other green spaces |
| 5. | Principal Infrastructure Engineer | 1 | 3 | Minimum Bachelor of Engineering (BSc/BE) degree in Civil Engineering with M.Sc. In Transport/Utilities | 10 | Lead and prepare the infrastructure design.<br>Provide strategic input for infrastructure systems, utilities, and services. |
| 6. | Principal Structure Engineer | 1 | 3 | M.Sc. In Structural Engineering | 10 | Lead and prepare the Structural design process.<br>Provide strategic input for all Structure Designs systems, utilities, and for all the buildings and associated components |
| 7. | Senior Architect | 3 | 3 | Minimum Bachelor of Architecture (B.Arch) degree from a university recognized by the Higher Education Commission (HEC). | 7 | Prepare and Submit Architectural Design for all required architectural elements for the wildlife park/zoo.<br>Ensure designs meet aesthetic and functional requirements. |
| 8. | Junior Architect | 5 | 3 | Minimum Bachelor of Architecture (B.Arch) degree | 5 | Assist preparation and Submission of Architectural Design for all required architectural elements for the wildlife park/zoo. |

| Sr. No. | Expert Position Name | No of Positions | No of Months | Qualification | Years of Experience | Job Description |
|---|---|---|---|---|---|---|
| | | | | from a university recognized by the Higher Education Commission (HEC). | | Ensure designs meet aesthetic and functional requirements |
| 9. | Senior Engineer Civil | 3 | 3 | Minimum Bachelor of Civil Engineering (B.Sc. Civil) degree from a university recognized by the Higher Education Commission (HEC). | 7 | Prepare and Submit Civil Design for all required Civil/Structural and Infrastructural elements for the wildlife park/zoo.<br>Ensure designs meet structural and functional requirements. |
| 10. | Junior Engineer Civil | 4 | 3 | Minimum Bachelor of Civil Engineering (B.Sc. Civil) degree from a university recognized by the Higher Education Commission (HEC). | 5 | To assist in preparation and Submit Civil Design for all required Civil/Structural and Infrastructural elements for the wildlife park/zoo.<br>Ensure designs meet structural and functional requirements. |
| 11. | Principal Engineer E&M | 2 | 3 | Masters in Mechanical Engineering (M.Sc. Mechanical) or Electrical Engineering (M.Sc. Electrical) degree from a university recognized by the Higher Education Commission (HEC). | 10 | Lead electrical design preparation and submission.<br>Oversee electrical and mechanical systems design preparation and submission, ensuring compliance with standards. |
| 12. | Senior Engineer E&M | 3 | 3 | Minimum Bachelor of Mechanical Engineering (B.Sc. Mechanical) or Electrical Engineering (B.Sc. Electrical) degree from a university recognized by the Higher Education Commission (HEC). | 7 | Oversee electrical and mechanical systems design, ensuring compliance with standards. |
| 13. | Junior Engineer E&M | 4 | 3 | Minimum Bachelor of Mechanical Engineering (B.Sc. Mechanical) or Electrical Engineering (B.Sc. Electrical) degree from a university recognized by the Higher Education Commission (HEC). | 5 | Conduct Sight Visit to see the design parameters as per the requirements and standards. |
| 14. | Land Scaping Expert | 2 | 3 | Bachelor of Landscape Design | 10 | Provide design expertise for landscaping and architectural elements.<br>Guide the aesthetic and functional aspects of landscaping for the project. |

| Sr. No. | Expert Position Name | No of Positions | No of Months | Qualification | Years of Experience | Job Description |
|---|---|---|---|---|---|---|
| 15. | Procurement Specialist | 1 | 3 | Minimum bachelor's degree in a relevant field is the minimum requirement, such as Business Administration, Economics, Supply Chain Management, or Engineering. | 10 | Prepare, Submit and Manage contract documentation, negotiations, and compliance. Prepare PQ, RFP and Contract Document for Contractors/sub-Contractors hiring for Client review and approval |
| 16. | Software Developer / IT Expert | 2 | 3 | Masters in software engineering / computer science. | 10 | Prepare and Submit software development as per client's requirement. Suggest Client on software development strategies, project planning, technology selection, and implementation, focusing on aligning software solutions with business objectives, rather than primarily writing codes. |
| 17. | Software Developer / IT Assistants | 2 | 3 | Bachelors in software engineering / computer science | 5 | Assist in preparation and submission software development as per client's requirement. Suggest Client on software development strategies, project planning, technology selection, and implementation, focusing on aligning software solutions with business objectives, rather than primarily writing codes. |
| 18. | Document Control Manager | 1 | 3 | Minimum Graduation | 7 | Manages the flow of documents in a company, ensuring they are accurate, secure, and compliant with regulations. |
| 19. | Document Control Assistants | 2 | 3 | Minimum Graduation | 5 | Assists and manages the flow of documents in a company, ensuring they are accurate, secure, and compliant with regulations. |
| 20. | Auto-Cad Operator | 6 | 3 | Minimum Diploma in Draftsman (2 yrs) in relevant discipline | 5 | Assists all the relevant engineers in the formations of the design drawings. |

## 8. DESIGN CONSULTANT MAN MONTHS AND COST:

| Sr. No. | POSITION | Monthly Billing Rate (Million PKR) | Design Phase | | |
|---|---|---|---|---|---|
| | | | No. | Staff Month | Total (Million PKR) |
| A | B | c | d | e | f = c*d*e |
| **A. Survey, Investigations and Reports** | | | | | |
| **i. - Technical component** | | | | | |
| 1 | Sr. Geo Tech Engineers | 1.00 | 3 | 1 | 3.00 |
| 2 | Asst. Geo Tech Engineers | 0.50 | 3 | 1 | 1.50 |
| 3 | Senior Hydrologist | 1.00 | 3 | 1 | 3.00 |
| 4 | AutoCAD Operators | 0.50 | 6 | 1 | 3.00 |
| 5 | Document Controller | 0.50 | 3 | 1 | 1.50 |
| 6 | Sr. topographical Surveyors | 0.75 | 6 | 1 | 4.50 |
| 7 | Asst. topographical Surveyors | 0.50 | 12 | 1 | 6.00 |
| 8 | Environmental Engineers | 1.00 | 3 | 1 | 3.00 |
| **Survey Fee Technical component** | | | 39 | | **25.50** |
| **ii. Direct Cost** | | | | | |
| 6 | Topographical Survey Instrument Automatic Levels, Staff etc. | LS | | 1 | 1.90 |
| 7 | Geotechnical Investigations Survey boring cost at various assets and facilities locations | LS | | 1 | 2.50 |
| **Survey Fee Direct Cost** | | | | | **4.4** |
| **TOTAL SURVEY FEE "A"** | | | **39** | | **29.90** |
| **B. Design Team** | | | | | |

| Sr. No. | POSITION | Monthly Billing Rate (Million PKR) | Design Phase | | |
|---|---|---|---|---|---|
| | | | No. | Staff Month | Total (Million PKR) |
| A | B | c | d | e | f = c*d*e |
| 1 | Team Leader/ Project Manager | 1.00 | 1 | 3 | 3.00 |
| 2 | Railway /Tram Design Specialist | 0.75 | 1 | 3 | 2.25 |
| 3 | Horticulture Specialist | 0.75 | 1 | 3 | 2.25 |
| 4 | Assistant Horticulture Specialist | 0.40 | 2 | 3 | 2.40 |
| 5 | Principal Infrastructure Engineer | 0.75 | 1 | 3 | 2.25 |
| 6 | Principal Structure Engineer | 0.75 | 1 | 3 | 2.25 |
| 7 | Senior Architect | 0.60 | 3 | 3 | 5.40 |
| 8 | Junior Architect | 0.40 | 5 | 3 | 6.00 |
| 9 | Senior Engineer Civil | 0.60 | 3 | 3 | 5.40 |
| 10 | Junior Engineer Civil | 0.40 | 4 | 3 | 4.80 |
| 11 | Principal Engineer E&M | 0.75 | 2 | 3 | 4.50 |
| 12 | Senior Engineer E&M | 0.60 | 3 | 3 | 5.40 |
| 13 | Junior Engineer E&M | 0.40 | 4 | 3 | 4.80 |
| 14 | Land Scaping Expert | 0.75 | 2 | 3 | 4.50 |
| 15 | Contract Specialist | 0.75 | 1 | 3 | 2.25 |
| 16 | Software Developer / IT Expert | 0.75 | 2 | 3 | 4.50 |
| 17 | Software Developer / IT Assistants | 0.40 | 2 | 3 | 2.40 |
| 18 | Document Control Manager | 0.50 | 1 | 3 | 1.50 |
| 19 | Document Control Assistants | 0.30 | 2 | 3 | 1.80 |
| 20 | Auto-Cad Operator | 0.25 | 6 | 3 | 4.50 |
| **DESIGN FEE "Technical Component"** | | | **47** | | **72.15** |
| **DESIGN FEE "Direct Cost"** | | | | | **17.54** |
| **TOTAL DESIGN CONSULTANCY FEE "B"** | | | | | **89.69** |
| **TOTAL SURVEY AND DESIGN CONSULTANCY FEE (A+B)** | | | | | **119.59** |

## 9. ROLE OF CLIENT AGENCY

The **Client Agency**, Punjab Wildlife and Parks Department, will oversee the project's overall direction, ensuring alignment with its objectives of wildlife conservation, eco- tourism, and biodiversity. The agency will approve key documents and deliverables from the Consultant, such as RFPs, cost estimates, and designs. It will manage financial aspects, including approving payment schedules and compensating the Consultant based on agreed deliverables. The Client will ensure regulatory compliance and adherence to legal frameworks, while also supporting the Consultant in managing risks and resolving issues. The agency will coordinate communication with stakeholders, ensuring proper engagement and information exchange. It will monitor progress through regular reports, make informed decisions, and ensure quality control. The Client is responsible for reviewing deliverables and ensuring the final project meets required standards. Additionally, the Client will uphold ethical and confidentiality standards throughout the project, ensuring its successful completion and handover at the end.

## 10. PROFESSIONAL LIABILITY OF CONSULTANT

The professional liability of the consultant shall be as defined in Rule 54 of the Punjab Procurement Rules, 2014 (amended till date).

# TERMS OF REFERENCE FOR HIRING OF CONSTRUCTION SUPERVISION CONSULTANT

## 1. INTRODUCTION:

### A. BACKGROUND, PREVIOUS STUDIES CONDUCTED ON THE ISSUE:

Punjab Wildlife & Parks Department is the sole custodian of wildlife resources of the Punjab province. Mandate of the Punjab Wildlife & Parks Department is protection, preservation, conservation and management of wild animals and birds in such a way that the sustainable use of this renewable natural resource is ensured over long period of time by the coming generations. Shrinkage of habitat due to anthropogenic activities, agricultural expansion, leases of state lands particularly in natural habitats of wildlife for agriculture, mining & other commercial activities etc., habitat fragmentation and above all the climate change are the major factors contributing towards rapid decline in number of wildlife species. To cater for prevailing scenario, the Department has established a network of protected areas (in-situ conservation sites) and chain of captive breeding facilities (ex-situ conservation sites) throughout the Punjab Province. Whereas, the department has also undertaken various development activities both for in-situ and ex-situ conservation of precious wildlife resources. The ex-situ conservation facilities developed by the department are mainly meant for breeding of extirpated / endangered wildlife species in order to provide progeny for release in natural habitats apart from providing recreation and orientation about the importance of wildlife and its role in eco-system to general public. Similarly, the in-situ conservation sites i.e. protected areas are meant for conservation of wildlife species and their natural habitats and being national heritage sites harboring natural features and scenic beauty, hence making way for exploring their eco-tourism potential. Such interventions leading to local areas development with employment generation opportunities also curtail pressure on natural resources due to indiscriminate overexploitation through the factors as envisaged above. The Changa Manga Wildlife Reserve (recently declared as wildlife reserve from its previous status as Wildlife Sanctuary) in district Kasur though undergone time to time development activities for provision of eco-tourism facilities to the public but its absolute potential in this regard is yet to be explored.

Furthermore, the eco-tourism potential of Uchali wetlands complex is remained under consideration for eco- tourism developments but not yet materialized. Whereas, development and implementation of a master plan principally to provide eco-tourism facilities to the public / tourist will lead to improved environmental / social health and serve an excellent intervention for wildlife as well as natural habitats conservation along with public recreation and ecosystem education.

Therefore, the objectives of this project have been designed to provide environmentally sustainable ecotourism avenues to the general public as well as tourists and the same will led to local area development, employment generation and exploration of alternate livelihood means to curtail pressure on natural resources apart from conservation and preservation of natural resources.

Therefore, the present scheme has been conceived for master planning and its implementation for eco-tourism development in protected areas viz., Changa Manga Public Wildlife Reserve and Uchali wetlands complex in districts Kasur, Chakwal and Khushab respectively of Punjab Province and, hence, is closely linked with objectives of wildlife sector.

The current setup of requires up-gradation to improve its facilities for endangered species and enhance its educational value. The existing model of the zoo does not fully address contemporary demands for interactive and eco-friendly visitor experiences.

The initiative is also aimed at boosting the local economy through increased tourism and job creation, responding to the area's economic needs.

## 2. IMPLEMENTING AGENCIES:

- SPONSORING AGENCY: Forestry, Wildlife, Fisheries Department
- EXECUTION AGENCY: Forestry, Wildlife Department
- OPERATIONS AND MAINTENANCE AGENCY: Wildlife Department

## 3. PROJECT LOCATION AND GEOGRAPHICAL AREA TO BE COVERED

### a. Changa Manga Wildlife Reserve Kasur

This Project is going to be implemented in the Changa Manga Wildlife Park, was initially a Wildlife Sanctuary and situated at a distance of about 70km from Lahore in District Kasur. A wildlife park was developed on 40-acre chunk of this plantation in 1983 with the objectives to provide recreational facility and awareness to general public regarding importance of wildlife and its conservation. Another objective was to facilitate eco-tourism in the area. The park as well as wildlife reserve have enormous potential for eco-tourism, hence, its master planning and implementation for eco-tourism has been conceived through the current project. The existing facilities will be improved through this project along with addition of nature-based tourism interventions to achieve the objectives for its declaration as wildlife reserve and the center for Eco Tourism in the Out Skirts of the Lahore.

### b. WETLAND UCHALI

The eco-tourism potential of Uchali wetlands complex is remained under consideration for eco-tourism developments but not yet materialized. Therefore, the same has also been included in the project for eco-tourism developments in order to present it for an excellent tourist attraction being a heaven for avian species particularly migratory waterfowls.

Uchali is a saltwater lake in Soan Sakaser Valley in the southern Salt Range area in the province of Punjab, Pakistan.

Sakaser, the highest mountain in the Salt Range at 1525 meters looms over the lake.

Due to its saline water, the lake does not support marine life, but it offers picturesque scenery. Boats are available.

The lake is part of the Uchali Complex, which also includes two other brackish to saline lakes: Khabikki Lake, and Jahlar Lakes. The Uchali Complex was designated a Ramsar site on March 22, 1996.

**c. WETLAND – CHASHMA**

Chashma Barrage is located in Mianwali District, Punjab, Pakistan. It was declared open to the public in 1972. Since the 1970s, the population of the Indus River dolphins has significantly increased there. It is a very important breeding and wintering area for wide variety of waterfowl regularly 20000 birds it is the largest preservation area for endangered Indus dolphins. The official wildlife sanctuaries in this district as per record of the wildlife department are Chashma Lake spread over 81,750 acres, These sanctuaries receive every year thousands of migratory birds coming from Siberia. Besides migratory birds, the plantation sanctuaries have in abundance white and black partridges, quails, wild bores, jackals, foxes, wolves and rabbits.

The sanctuary has great potential for the development of eco-tourism in this part of Pakistan. Blind dolphins, an endemic species of the Indus River, can be observed here.

This project seeks to create an unparalleled experience that combines wildlife conservation, education, and entertainment. The park will feature both diurnal and nocturnal habitats, as well as aquatic exhibits, to offer the public an opportunity to witness the marvels of biodiversity. The project will set a new standard for eco-tourism and biodiversity conservation.

## 3. OBJECTIVES OF THE RESIDENT SUPERVSION CONSULTANCY:

To supervise the execution of entire scope of work as per approved Design, Bill of Quantities and Specifications in order to assist Client in completion of Project within stipulated time and cost.

## 4. SCOPE OF WORK:

- The Consultant while supervising the construction works, shall also make all necessary arrangements for quality control and implementation of the entire scope of the Project as Resident Engineer.
- It will be prime responsibility of the Consultant to follow up with the contractor(s) and ensure that the contractor(s) is executing their task timely and according to the schedule.
- The Consultant shall push and take all necessary measures to ensure continuous mobility of the contract and compliance of construction time schedule.
- The detailed task of the Consultant shall include, but not be limited to, the following:
- Supervision of civil works and contracts shall be carried out based on the approved Design, Bill of Quantities and Specifications.
- The consultant on behalf of the Client will make engineering decisions, be responsible for quality and quantity assurance, provide general guidance

and furnish timely responses to the suppliers and contractors and ensure that all clauses of the contract agreements between the suppliers/contractors and Client i.e. Project Management Unit (PMU), Punjab Wildlife and Parks Department) are implemented.

- Assure submission(s) of contractual documents and advise Client on the adequacy of the Contractor's insurance policies, performance guarantees and advance payment guarantees.

- Give notice to contractor to commence the works.

- Provide advance payment advice to Client concerning schedule of handing over of project site, and any anticipated delays due to various reasons.

- Assess the competence of the contractors' inputs in material, labor selection, construction methods, and safety measures.

- Monitor the progress of Project against the contractual construction schedules/workplans. Warrant that the Contractor submits regular updated workplans that take into account the time passed and work completed. A realistic timetable for completing the works within the specified contract period must also be furnished periodically. Initiate action if the Contract is clearly going to time overrun.

- Assure the receipt of the materials and maintain permanent records of all warranties required under terms and conditions of the Contract Agreement.

- Without relieving the Contractors of their obligations under the Contract, check and approve the contractors' Working Drawings, Method Reports and Temporary Works proposals if any.

- Carry out any subsequent design changes, and expeditiously issue supplementary/revised drawings, site instructions, variation orders and day work orders to avoid delay to the works and to ensure that the works are executed in accordance with Contract/on time.

- Ensure that the Contractors shall have all necessary data including the right- of-way
- limits, centerline, and grade etc.

- Check that the lines, levels and layouts of the construction work follows with those specified in the contract document.

- Develop and implement a quality monitoring plan to ensure the works comply with the specifications in the contract documents regarding materials used, and technical requirements etc. by preparing QA/QC Manual and will be responsible for Quality Assurance i.e. project components are tested according to the specifications as per the Contract; also make a report for imported items for efficiency and quality including testing on manufacturing site test bed and check duty & import documents of each item being imported for the project.

- Inspect quarries, borrow pits, and crushing plants.

- Conduct material tests and approve the sources of materials, as per standards.

- Continuously inspect the soils and materials, construction operations and the works with regard to workmanship and compliance with the specifications. Approve or disapprove and certify the works that conform to the specifications and maintain permanent records of the results of all the tests.

- Give notice (s) to the Contractors of any defects and deficiencies, and issue instructions/directions for the removal and replacement of the improper works, as per the contract. If required, order suspension of the work(s) under intimation to the company and/or recommend to the company and sought other recourse available under the Contract.

- Monitor and appraise progress of the works, and maintain a day-by-day project log which shall record all activities/progress pertaining to the administration of the contract and any other information which may be at a later date be of assistance in resolving queries which may arise concerning execution of the works.

- Take all necessary measures, with the assistance of the Client ensuring that civil contractor should not lag behind their work schedule. In case of any social issue, swiftly coordinate with all stakeholders to resolve it timely ensuring continuity of contractor's work/mobility.

- Check the Contractor's periodic statement of the estimated value of work completed and certify that these statements clearly and accurately describe the value of work executed on the value of the quantities of the items in the Bill of Quantities, Verify and endorse the interim payment certificates to Client for payment to the Contractors based on inspected Work Items, having regard to any contractual provisions for advance payment, variation of price, escalation, Comparative statement according to the acceptance letter and exchange rate fluctuation etc.

- Certify and endorse the completion of the activities/works or parts thereof in order to process final payments to the Contractors,

- Assist in clarification of Contract Documents, explain and/or reconcile any ambiguities and or discrepancies that may occur in the Contract Documents, and assist Client along with all relevant documentation needed for settling disputes/claims (if any) with the Contractors, and suggest recommendations to Client for resolving the Contractors' escalation claims, contract time extensions (if needed), variation orders, subletting of work, additional cost, rate and price fixing etc.

- Advise PMU on the need for effective and efficient liaison with the local authorities, police, landowners, utility owners, the public and others affected by the works in progress in order to minimize or avoid unnecessary delays or disputes.

- Jointly inspect with Client the completed civil works, and assist in formal taking over process, completion certificates and review and approve "as built" drawings and plans (as the case may be) and provide report(s) affirming that the contracts have been completed in a satisfactory manner and develop a checklist for re-works or incomplete works. In addition, review the final commissioning tests being conducted upon completion of each construction package, such as, network, pumping stations, approve acceptance of performance in accordance with the targets set in the tender

documents/workplan, approve the content of the O&M manuals and advise the Client on delivery of certificate of performance

- Inspect the completed work periodically during the defect liability period within the term covering the Consultant's Agreement, prepare lists of deficiencies/incomplete works (if any) in consultation with Client and carry out supervision of the rectification works, and issue the Defects Liability certificates after the rectification of notified defects by the Contractors,

- Establish a comprehensive monitoring system that entails maintaining site records including site correspondence, inspection records, test data, site diaries, records of meetings, financial records, progress records etc.

- Support the Client and consultants to implement the safeguard related policies, prior to starting work and as work progresses, which may include the environment management plans, resettlement plan, public consultation, verification of the resettlement compensation payment, and preparation of all safeguard monitoring reports (bi-weekly/monthly).

- Make available record to the auditor appointed by AG office of Pakistan and draft replies and clarifications along all supporting documents against any observation raised by auditor, to facilitate the Client.

- Assist Client in preparing monthly and quarterly progress and monitoring reports for submission to various authorities.

- Coordinate with contractors and local authorities on obtaining clearances during construction and commissioning of works.

- Provide any other technical services requested by Client and other Consultants under the project, as mutually agreed, and shall be responsible to make visit arrangements by any Government/Donor delegation or authority/management and shall prepare presentation arrangement.

- When required Carry out a detailed Topographical Survey to determine and record the exact layout of Site and adjacent areas (roads, structures, etc.), physical features, site levels, location of existing roads, services (above and belowground), existing structures (if any) and all other pertinent information and conditions relevant to the Project site.

## 5. REPORTING/DELIVERABLES WITH TIMELINES:

### a. Period of Consultancy:

Period of consultancy for Resident supervision consultant is twelve (12) months starting from award of works.

### b. RESIDENT SUPERVSION CONSULTANT:

| Resident Supervision Consultant | | |
|---|---|---|
| 1 | Resident Project Supervision along with Regular Progress Reporting to the Client (Monthly Basis Reports) as per mutually agreed TORs. | 12 Months succeeding the Project Works Award |
| 2 | Final Project Completion Report | Upon project completion |

**TIMELINES:**

| Sr. No. | SCOPE OF WORK | TIME DURATION (From Works Award) | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **RESIDENT SUPERVSION CONSULTANT** | | | | | | | | | | | | | | |
| 1 | Resident Project Supervision along with Regular Progress Reporting to the Client (Monthly Basis Reports) as per mutually agreed TORs. | 12 MONTHS | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 2 | Project Completion Report as per mutually agreed TORs. | 1 Month | | | | | | | | | | | | |

## 6. CORE TEAM OF EXPERTS REQUIRED, INDICATING ACADEMIC:

| Sr. No. | Expert Position Name | No Of Positions | No of Months | Years of Experience | Minimum Qualification | Job Description |
|---|---|---|---|---|---|---|
| 1 | Chief Resident Engineer Construction | 1 | 12 | 15 | Master's Degree in Civil Engineering Registered with PEC | To oversee all construction operations, ensuring compliance with design and specifications.<br>To coordinate with contractors, suppliers, and other stakeholders for effective project execution. |
| 2 | Resident Wildlife expert | 1 | 4 | 15 | Min. Graduate (16 years of education or above) in Wildlife or Zoology, with minimum 10 years of experience in the field | Provide expertise in wildlife management during construction and design phases.<br>Prepare and administer food and water to assigned wildlife species according to their dietary needs.<br>Will guide the staff how to Clean and maintain animal enclosures, ensuring proper sanitation and hygiene standards.<br>Observe animal behavior, noting any changes in health or behavior patterns, and report concerns to the veterinarian or senior staff and will also train them to learn these. |
| 3 | Resident Horticulture Expert | 1 | 6 | 5 | BSc Horticulture with relevant 10 years of experience in urban planning, urban forestry, etc. | BSc Horticulture with relevant 10 years of experience in urban planning, urban forestry, etc. |

| Sr. No. | Expert Position Name | No Of Positions | No of Months | Years of Experience | Minimum Qualification | Job Description |
|---|---|---|---|---|---|---|
| 4 | Assistant Resident Engineer (Civil) | 3 | 12 | 10 | Master's Degree in Civil Engineering Registered with PEC. | Oversee construction operations, ensuring compliance with design and specifications. Coordinate with contractors, suppliers, and other stakeholders for effective project execution. |
| 5 | Assistant Resident Engineer (Electrical) | 3 | 12 | 10 | Master's Degree in Electrical Engineering Registered with PEC. | Oversee electrical work on-site, ensuring quality and adherence to standards. |
| 6 | Assistant Resident Engineer (Mechanical) | 3 | 12 | 10 | Master's Degree in Mechanical Engineering Registered with PEC. | Oversee mechanical work on-site, ensuring quality and adherence to standards. |
| 7 | Material Engineer | 3 | 10 | 10 | B.Sc Engr. (Civil) / Geological Registered with PEC or BS / M.Sc (Geology). | Oversee material selection, testing, and quality assurance processes on- site. |
| 8 | Contract Specialist | 1 | 6 | 10 | B.Sc Engr. Registered with PEC. Proven track record of Contract Management. | Manage contract documentation, negotiations, and compliance. |
| 9 | Planning Engineer | 3 | 12 | 5 | Min. B.Sc. Engr. with relevant experience | Develop and maintain the project schedule. Ensure adherence to timelines and milestones. |
| 10 | Site Inspectors (Civil) | 6 | 10 | 10 | DAE (Civil) | Inspect and ensure construction quality on-site, following design specifications. Report any deviations or issues to the Resident Engineer. |
| 11 | | 3 | 10 | 10 | DAE (Electrical) | Inspect and ensure the quality |

| Sr. No. | Expert Position Name | No Of Positions | No of Months | Years of Experience | Minimum Qualification | Job Description |
|---|---|---|---|---|---|---|
| | Site Inspectors (Electrical) | | | | | of electrical and mechanical work on-site. |
| 12 | Site Inspectors (Mechanical) | 3 | 10 | 10 | DAE (Mechanical) | Inspect and ensure the quality of electrical and mechanical work on-site. |
| 13 | Surveyors | 6 | 12 | 10 | Bachelor's degree in civil engineering, DAE (Civil/Surveying), or a related field. | Inspect and ensure the Topographical survey based on scope of work to be executed on the site |
| 14 | Quantity Surveyor | 3 | 12 | 10 | DAE (Civil) | To ensure estimation of quantity takeoffs, cost estimations, and materials tracking. |
| 15 | Lab Technicians | 6 | 9 | 10 | DAE (Civil) | Manage all relative material testing, analysing and reporting of the lab tests. |
| 16 | CAD/Computer Operators/ Office Assistants | 3 | 12 | 10 | DAE (Civil) | To prepare multiple versions of drawings (shop drawings) to review by the RE/Client in compliance with Design Specifications and design.<br>To use MS Office for drafting letters, presentations and progress reports preparation. |

## RESIDENT SUPERVISION CONSULTANT MAN MONTHS AND COST:

| Sr. No. | POSITION | Monthly Billing Rate (Million PKR) | Construction phase | | |
|---|---|---|---|---|---|
| | | | No. | Staff Month | Total (Million PKR) |
| A | B | C | d | e | f = c*d*e |
| **Resident Supervision Consultant Team** | | | | | |
| 1 | Chief Resident Engineer Construction | 0.61 | 1 | 12 | 7.32 |
| 2 | Resident Wildlife expert | 0.20 | 1 | 4 | 0.80 |
| 3 | Resident Horticulture Expert | 0.20 | 1 | 4 | 0.80 |
| 4 | Assistant Resident Engineer (Civil) | 0.20 | 3 | 12 | 7.20 |
| 5 | Assistant Resident Engineer (Electrical) | 0.20 | 3 | 12 | 7.20 |
| 6 | Assistant Resident Engineer (Mechanical) | 0.10 | 3 | 12 | 3.60 |
| 7 | Material Engineer | 0.10 | 3 | 10 | 3.00 |
| 8 | Contract Specialist | 0.10 | 1 | 6 | 0.60 |
| 9 | Planning Engineer | 0.10 | 3 | 12 | 3.60 |
| 10 | Site Inspectors (Civil) | 0.08 | 6 | 10 | 4.80 |
| 11 | Site Inspectors (Electrical) | 0.08 | 3 | 10 | 2.40 |
| 12 | Site Inspectors (Mechanical) | 0.07 | 3 | 10 | 2.10 |
| 13 | Surveyors | 0.07 | 6 | 9 | 3.78 |
| 14 | Quantity Surveyor | 0.10 | 3 | 12 | 3.60 |
| 15 | Lab Technicians | 0.10 | 6 | 9 | 5.40 |
| 16 | CAD/Computer Operators/ Office Assistants | 0.10 | 3 | 12 | 3.60 |
| **RESIDENT SUPERVSION CONSULTANT FEE (@ 1% of Conservancy and Works)** | | | | | **59.80** |

## 7. ROLE OF CLIENT AGENCY

The **Client Agency**, Project Management Unit (PMU), Punjab Wildlife and Parks Department, will oversee the project's overall direction, ensuring alignment with its objectives of wildlife conservation, eco- tourism, and biodiversity. The agency will approve key documents and deliverables from the Consultant, such as RFPs, cost estimates, and designs. It will manage financial aspects, including approving payment schedules and compensating the Consultant based on agreed deliverables. The Client will ensure regulatory compliance and adherence to legal frameworks, while also supporting the Consultant in managing risks and resolving issues. The agency will coordinate communication with stakeholders, ensuring proper engagement and information exchange. It will monitor progress through regular reports, make informed decisions, and ensure quality control. The Client is responsible for reviewing deliverables and ensuring the final project meets required standards. Additionally, the Client will uphold ethical and confidentiality standards throughout the project, ensuring its successful completion and handover at the end.

## 8. PROFESSIONAL LIABILITY OF CONSULTANT

The professional liability of the consultant shall be as defined in Rule 54 of the Punjab Procurement Rules, 2014 (amended till date).

## SOLARIZATION OF ECO TOURISM SITES (UCHALI AND CHASAMA)-100 Kva Each

### INTRODUCTION AND BACKGROUND

The wildlife and Parks Department Punjab has launched multiple projects for the conservation and, preservation and promotion of eco-tourism. The introduction of solar system at two eco-tourism sites (Uchali & Chasma) prime's objective is initiatives is to promote the development of indigenous renewable energy resources to improve the energy mix, and to reduce the drain of foreign exchange due to import of fossil fuels and to makes these Eco Friendly and to fulfil the responsibility of the Ecotourism.

In compliance with the above, a team of ECSP engineers with MEP Team of PMU Punjab Wildlife and Parks Department, conducted a detailed visit for visual inspection and assessment of site for the required services. The following aspects were considered during the site visit and have been used to establish the base design for the Solar PV System:

### TECHNOLOGICAL OPTIONS

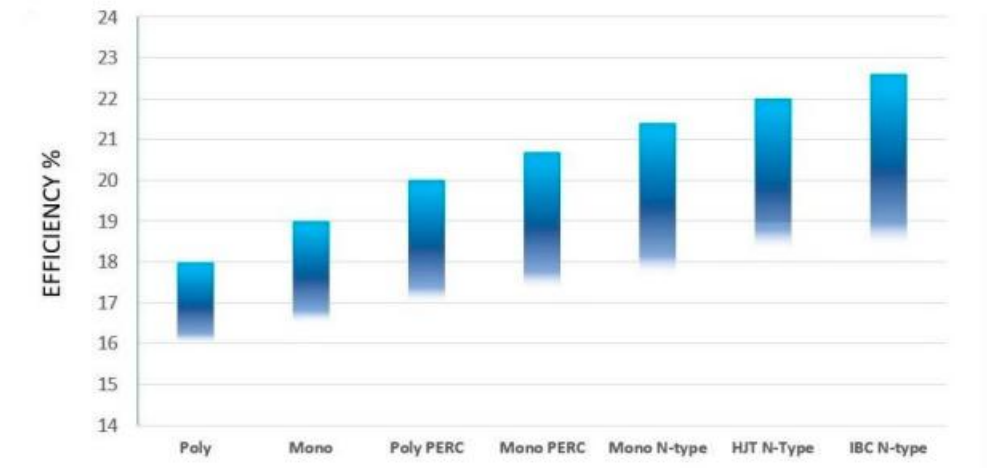
- Site Characteristics and Irradiation Potential
- Location
- Shading Consideration
- Potential Areas for Solarization
- Interconnection Schemes
- Load Distribution
- GENSETS Capacity (If required)
- Protection System's Current/Voltage withstand Capacities
- Cable's Potential Routing
- Current Earthing and Lightning Protection Mechanisms
- LT Room Space Availability.

Representatives from ECSP with MEP Team of PMU visited the site for physical inspection and assessment of solar irradiation potential.

## MAIN PLANT DESIGN

While identifying the system capacity & space, safety of O&M personnel is the primary concern. For grid interconnection, the Solar PV System and its components must be designed to monitor the current status of existing power sources i.e. electricity grid and the generator ("Genset") to optimize system component behavior and to achieve efficiencies in fuel consumption during grid outages. To ensure safe and reliable operation, the necessary protection and control devices, switches, etc. must be defined and installed, both during islanding mode (if applicable) and during grid-tied mode. The final design of the project must be customized to fit the specific electric load, space, structural requirements, and local conditions of each building.

## PV TECHNOLOGY ASSESSMENT




## PV MODULE

Based on the site area availability, it has been determined that maximum available efficiency should be selected to maximize the size of Solar PV System in the available area. Half-cut Mono-PERC PV Modules with module efficiency up to 21.5% are available in the local market. The same are being proposed based on their superior performance. Technical data of the same is shown below:

## PV COMPONENTS' BREAKUP

The table below summarizes the general component configuration considered for the concerned PV system, using mono-PERC technology. Furthermore, minimum technical specifications have been attached below.

| 100KW ON GRID SOLAR SYSTEM QUOTATION WITH ELEVATED STRUCTURE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sr. No. | Items | Description | Qty | Unit | Unit Price (PKR) | Total Price (PKR) | GST (PKR) | Total Price with GST (PKR) |
| 1 | Solar Panel | Canadian Bifacial N Type / JA Bifacial 705/710 Watt | 140 | Nos. | 25,560 | 3,578,400 | Zero Rated | 3,578,400 |
| 2 | Solar Inverter | Huawei / Solis On Grid Inverter 100KTL | 1 | Nos. | 1,625,000 | 1,625,000 | 292,500 | 1,917,500 |
| 3 | Mounting Structure | Supply & Installation of Elevated Structure with Material (H-Guarders, Pipes, Base Plates, paint etc.) including Civil work and Grounding system | 1 | Nos. | 3,080,000 | 3,080,000 | 554,400 | 3,634,400 |
| 4 | Wire & Cables | AC Cable 4C 70mmsq (GM Cable), DC Cable 1C 6mmsq (GM Cable) Wire for Grounding System (GM Cable) | 1 | Job | 1,032,500 | 1,032,500 | 185,850 | 1,218,350 |
| 5 | Distribution Box | DB Box with Circuit Breakers, AC & DC Disconnect Switch, Fuses, SPD, Monitoring & Metering Devices, Grounding Bar, Input Output terminals & accessories with box. | 1 | Nos. | 475,000 | 475,000 | 85,500 | 560,500 |
| 10 | Accessories | Misc. items for job (Ducting, Pipes, Clumps, Nut Bolts, Rawal Bolts etc.) | 1 | Job | 325,000 | 325,000 | 58,500 | 383,500 |
| | | Total Amount | | | | 10,115,900 | 1,176,750 | 11,292,650 |

## ENERGY YIELD ANALYSIS

Based on the Energy Resource Potential of site and selected design, simulation of Solar PV System has been conducted using PVsyst software for the first year after installation. The simulation is based on synthetically generated hourly meteorological data for Project Site. Based on the same, it has been determined that the produced energy from 100 kW Solar PV System shall be 106.4 MWh/yr with a performance ratio of 76.60%.

# ROI CALCULATION

Below table provides an estimation of return of investment from the project Units Generation Estimate:

- Daily Solar Generation for 100 KW – 500 Units
- Monthly Solar Generation for 100 KW – 15,000 Units
- Yearly Solar Generation for 100 KW – 180,000 Units Pay Back Period:
- Approx. 3.5 years
- The Generation of power is dependent on the environmental conditions. Day to Day Generation might vary.

**FINANCIAL ANALYSIS**

To conduct financial analysis of the investment, data related to CAPEX and OPEX is essential. The CAPEX and OPEX costs of PV system vary widely, depending on aspects like module technology, inverter sizing, plant layout, mounting structures

Capital Expenditures of PV System

In general, the overnight capital costs for PV plants comprise the following components:

- Purchase of Photovoltaic Modules
- Purchase of Plant Balance such as Cabling, Inverter and Mounting structure
- Civil Works
- Ground Works

Operational Expenditures of PV Plants

Apart from the capital costs, expenditures for operation and maintenance (O&M) are the second cost item for PV plants. These are comprised by following items:

- Manpower wages
- Spare parts
- Module cleaning
- Inverter Replacement etc.

To substantiate the financial viability of the investment on Solar PV System, a brief analysis has been conducted based on the following:

- CAPEX: PKR 16.54 million (Based on USD=PKR 280)
- OPEX: PKR 0.330 million per annum (2% of CAPEX)
- PV System Life: 25 Years
- Replacement of Inverter: after 12 years
- Grid Energy Unit Cost (avoided): PKR 46
- Long Term Inflation Rate for Electricity Costs & O&M Costs: 5% per annum
- Annual Produced Energy: 106.4 MWh (P50 Analysis)
- Additional losses for unaccounted shading and contingencies: 3% per annum.
- Energy Yield Reduction: 1% per annum (PV module degradation)

**Technical Data of 100 KW Inverter**

SUN2000-100KTL-M1

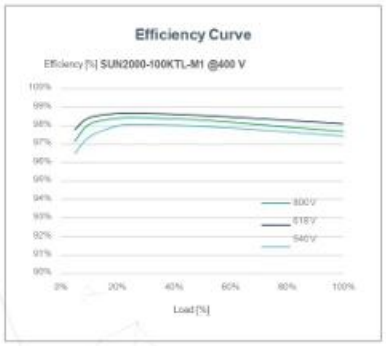
## Smart PV Controller

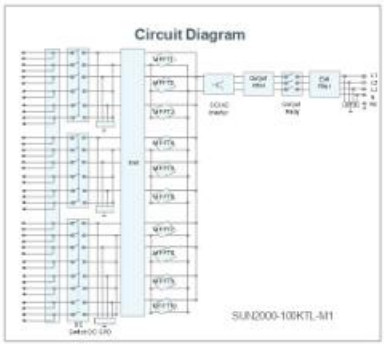
**Smart**
Smart I-V Curve Diagnosis supported

**Efficient**
Max. efficiency 98.8%

**Safe**
Fuse free design

**Reliable**
Type II surge arresters for DC & AC




SOLAR.HUAWEI.COM/AU/

SUN2000-100KTL-M1

## Technical Specification

| Technical Specification | SUN2000-100KTL-M1 |
|---|---|
| **Efficiency** | |
| Max. Efficiency | 98.8% |
| European Efficiency | 98.6% |
| **Input** | |
| Max. Input Voltage | 1,100 V |
| Max. Current per MPPT | 26 A |
| Max. Short Circuit Current per MPPT | 40 A |
| Start Voltage | 200 V |
| MPPT Operating Voltage Range | 200 V – 1,000 V |
| Rated Input Voltage | 600 V |
| Number of Inputs | 20 |
| Number of MPP Trackers | 10 |
| **Output** | |
| Rated AC Active Power | 100,000 W |
| Rated AC Apparent power | 100,000 VA |
| Max. AC Apparent Power | 110,000 VA |
| Max. AC Active Power (cosφ=1) | 110,000 W |
| Rated Output Voltage | 400 V, 3W + PE |
| Rated AC Grid Frequency | 50 Hz / 60 Hz |
| Rated Output Current | 144.4 A |
| Max. Output Current | 160.4 A |
| Adjustable Power Factor Range | 0.8 LG ... 0.8 LD |
| Max. Total Harmonic Distortion | <3% |
| **Protection** | |
| Input-side Disconnection Device | Yes |
| Anti-islanding Protection | Yes |
| AC Overcurrent Protection | Yes |
| DC Reverse-polarity Protection | Yes |
| PV-array String Fault Monitoring | Yes |
| DC Surge Arrester | Type II |
| AC Surge Arrester | Type II |
| DC Insulation Resistance Detection | Yes |
| Residual Current Monitoring Unit | Yes |
| **Communication** | |
| Display | LED Indicators, Bluetooth/WLAN + APP |
| RS485 | Yes |
| USB | Yes |
| MBUS | Yes (isolation transformer required) |
| **General Data** | |
| Dimensions (W x H x D) | 1,035 x 700 x 365mm (40.7 x 27.6x 14.4 inch) |
| Weight (with mounting plate) | 90 kg (187.4 lb.) |
| Operating Temperature Range | -25°C – 60°C (-13°F – 140°F) |
| Cooling Method | Smart Air Cooling |
| Max. Operating Altitude | 4,000 m (13,123 ft.) |
| Relative Humidity | 0 – 100% |
| DC Connector | Staubli MC4 |
| AC Connector | Waterproof Connector + OT/DT Terminal |
| Protection Degree | IP66 |
| Topology | Transformerless |
| Nighttime Power Consumption | ≤ 3.5W |
| Country of Manufacture | China |
| **Standard Compliance (more available upon request)** | |
| Safety | EN/IEC 62109-1, EN/IEC 62109-2, IEC 62116 |
| Grid Connection Standards | AS/NZS 4777.2 2020 |

SOLAR.HUAWEI.COM/AU/

**Technical Data of Solar Panels**

NEW

CanadianSolar

# TOPBiHiKu7

**N-type Bifacial TOPCon Technology**

**615 W ~ 645 W**

**CS7L-615|620|625|630|635|640|645TB-AG**

**MORE POWER**

- 645 W — Module power up to 645 W, Module efficiency up to 22.8 %
- EXTRA POWER — Up to 85% Power Bifaciality, more power from the back side
- Excellent anti-LeTID & anti-PID performance. Low power degradation, high energy yield
- Lower temperature coefficient (Pmax): -0.29%/°C, increases energy yield in hot climate
- Lower LCOE & system cost

**MORE RELIABLE**

- Minimizes micro-crack impacts
- Heavy snow load up to 5400 Pa, wind load up to 2400 Pa*

* For detailed information, please refer to the Installation Manual.

**12 Years** — **Enhanced Product Warranty on Materials and Workmanship***

**30 Years** — **Linear Power Performance Warranty***

**1st year power degradation no more than 1%**
**Subsequent annual power degradation no more than 0.4%**

*According to the applicable Canadian Solar Limited Warranty Statement.

**MANAGEMENT SYSTEM CERTIFICATES***

ISO 9001: 2015 / Quality management system
ISO 14001: 2015 / Standards for environmental management system
ISO 45001: 2018 / International standards for occupational health & safety
IEC 62941: 2019 / Photovoltaic module manufacturing quality system

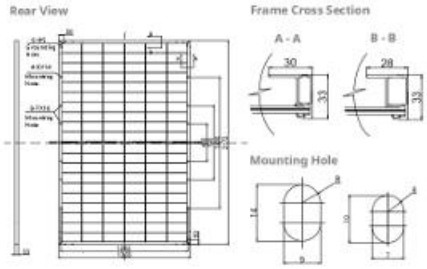
**PRODUCT CERTIFICATES***

IEC 61215 / IEC 61730 / CE / INMETRO / MCS / UKCA / CGC
CEC listed (US California) / FSEC (US Florida)
UL 61730 / IEC 61701 / IEC 62716 / IEC 60068-2-68
UNI 9177 Reaction to Fire: Class 1 / Take-e-way

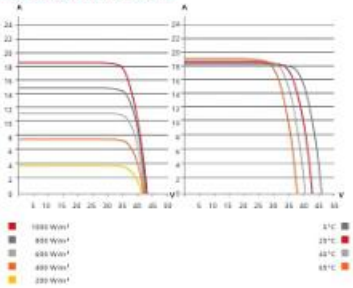
* The specific certificates applicable to different module types and markets will vary, and therefore not all of the certifications listed herein will simultaneously apply to the products you order or use. Please contact your local Canadian Solar sales representative to confirm the specific certificates available for your Product and applicable in the regions in which the products will be used.

**CSI Solar Co., Ltd.** is committed to providing high quality solar photovoltaic modules, solar energy and battery storage solutions to customers. The company was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey. Over the past 22 years, it has successfully delivered over 100 GW of premium-quality solar modules across the world.

## ENGINEERING DRAWING (mm)




## CS7L-625TB-AG / I-V CURVES



## ELECTRICAL DATA | STC*

| | | Nominal Max. Power (Pmax) | Opt. Operating Voltage (Vmp) | Opt. Operating Current (Imp) | Open Circuit Voltage (Voc) | Short Circuit Current (Isc) | Module Efficiency |
|---|---|---|---|---|---|---|---|
| CS7L-615TB-AG | | 615 W | 35.5 V | 17.33 A | 42.7 V | 18.26 A | 21.7% |
| Bifacial Gain** | 5% | 646 W | 35.5 V | 18.21 A | 42.7 V | 19.17 A | 22.8% |
| | 10% | 677 W | 35.5 V | 19.08 A | 42.7 V | 20.09 A | 23.9% |
| | 20% | 738 W | 35.5 V | 20.80 A | 42.7 V | 21.91 A | 26.1% |
| CS7L-620TB-AG | | 620 W | 35.7 V | 17.37 A | 42.9 V | 18.31 A | 21.9% |
| Bifacial Gain** | 5% | 651 W | 35.7 V | 18.24 A | 42.9 V | 19.23 A | 23.0% |
| | 10% | 682 W | 35.7 V | 19.11 A | 42.9 V | 20.14 A | 24.1% |
| | 20% | 744 W | 35.7 V | 20.84 A | 42.9 V | 21.97 A | 26.3% |
| CS7L-625TB-AG | | 625 W | 35.9 V | 17.41 A | 43.1 V | 18.36 A | 22.1% |
| Bifacial Gain** | 5% | 656 W | 35.9 V | 18.28 A | 43.1 V | 19.28 A | 23.2% |
| | 10% | 688 W | 35.9 V | 19.17 A | 43.1 V | 20.20 A | 24.3% |
| | 20% | 750 W | 35.9 V | 20.89 A | 43.1 V | 22.03 A | 26.5% |
| CS7L-630TB-AG | | 630 W | 36.1 V | 17.46 A | 43.3 V | 18.41 A | 22.3% |
| Bifacial Gain** | 5% | 662 W | 36.1 V | 18.34 A | 43.3 V | 19.33 A | 23.4% |
| | 10% | 693 W | 36.1 V | 19.21 A | 43.3 V | 20.25 A | 24.5% |
| | 20% | 756 W | 36.1 V | 20.95 A | 43.3 V | 22.09 A | 26.7% |
| CS7L-635TB-AG | | 635 W | 36.3 V | 17.50 A | 43.5 V | 18.46 A | 22.4% |
| Bifacial Gain** | 5% | 667 W | 36.3 V | 18.38 A | 43.5 V | 19.38 A | 23.6% |
| | 10% | 699 W | 36.3 V | 20.21 A | 43.5 V | 20.31 A | 24.7% |
| | 20% | 762 W | 36.3 V | 21.00 A | 43.5 V | 22.15 A | 26.9% |
| CS7L-640TB-AG | | 640 W | 36.5 V | 17.54 A | 43.7 V | 18.51 A | 22.6% |
| Bifacial Gain** | 5% | 672 W | 36.5 V | 18.42 A | 43.7 V | 19.44 A | 23.7% |
| | 10% | 704 W | 36.5 V | 20.26 A | 43.7 V | 20.36 A | 24.9% |
| | 20% | 768 W | 36.5 V | 24.31 A | 43.7 V | 22.21 A | 27.1% |
| CS7L-645TB-AG | | 645 W | 36.7 V | 17.58 A | 43.9 V | 18.56 A | 22.8% |
| Bifacial Gain** | 5% | 677 W | 36.7 V | 18.46 A | 43.9 V | 19.49 A | 23.9% |
| | 10% | 710 W | 36.7 V | 19.34 A | 43.9 V | 20.42 A | 25.1% |
| | 20% | 774 W | 36.7 V | 21.10 A | 43.9 V | 22.27 A | 27.3% |

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.
** Bifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

## ELECTRICAL DATA | NMOT*

| | Nominal Max. Power (Pmax) | Opt. Operating Voltage (Vmp) | Opt. Operating Current (Imp) | Open Circuit Voltage (Voc) | Short Circuit Current (Isc) |
|---|---|---|---|---|---|
| CS7L-615TB-AG | 465 W | 33.6 V | 13.86 A | 40.4 V | 14.72 A |
| CS7L-620TB-AG | 469 W | 33.8 V | 13.89 A | 40.6 V | 14.77 A |
| CS7L-625TB-AG | 473 W | 33.9 V | 13.93 A | 40.8 V | 14.81 A |
| CS7L-630TB-AG | 476 W | 34.1 V | 13.96 A | 41.0 V | 14.85 A |
| CS7L-635TB-AG | 480 W | 34.3 V | 13.99 A | 41.2 V | 14.89 A |
| CS7L-640TB-AG | 484 W | 34.5 V | 14.03 A | 41.4 V | 14.93 A |
| CS7L-645TB-AG | 488 W | 34.7 V | 14.06 A | 41.6 V | 14.97 A |

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

## MECHANICAL DATA

| Specification | Data |
|---|---|
| Cell Type | TOPCon cells |
| Cell Arrangement | 120 [2 x (10 x 6)] |
| Dimensions | 2172 × 1303 × 33 mm (85.5 × 51.3 × 1.30 in) |
| Weight | 34.5 kg (76.1 lbs) |
| Front Glass | 2.0 mm heat strengthened glass with anti-reflective coating |
| Back Glass | 2.0 mm heat strengthened glass |
| Frame | Anodized aluminium alloy |
| J-Box | IP68, 3 bypass diodes |
| Cable | 4.0 mm² (IEC), 12 AWG (UL) |
| Cable Length (Including Connector) | 410 mm (16.1 in) (+) / 250 mm (9.8 in) (-) or customized length* |
| Connector | T6 or MC4-EVO2 or MC4-EVO2A |
| Per Pallet | 33 pieces |
| Per Container (40' HQ) | 594 pieces or 528 pieces (only for US & Canada) |

* For detailed information, please contact your local Canadian Solar sales and technical representatives.

## ELECTRICAL DATA

| | |
|---|---|
| Operating Temperature | -40°C ~ +85°C |
| Max. System Voltage | 1500 V (IEC/UL) or 1000 V (IEC/UL) |
| Module Fire Performance | TYPE 29 (UL 61730) or CLASS C (IEC61730) |
| Max. Series Fuse Rating | 35 A |
| Application Classification | Class A |
| Power Tolerance | 0 ~ + 10 W |
| Power Bifaciality* | 80 % |

* Power Bifaciality = $P_{max_{rear}}$ / $P_{max_{front}}$, both $P_{max_{rear}}$ and $P_{max_{front}}$ are tested under STC. Bifaciality Tolerance: ± 5 %

## TEMPERATURE CHARACTERISTICS

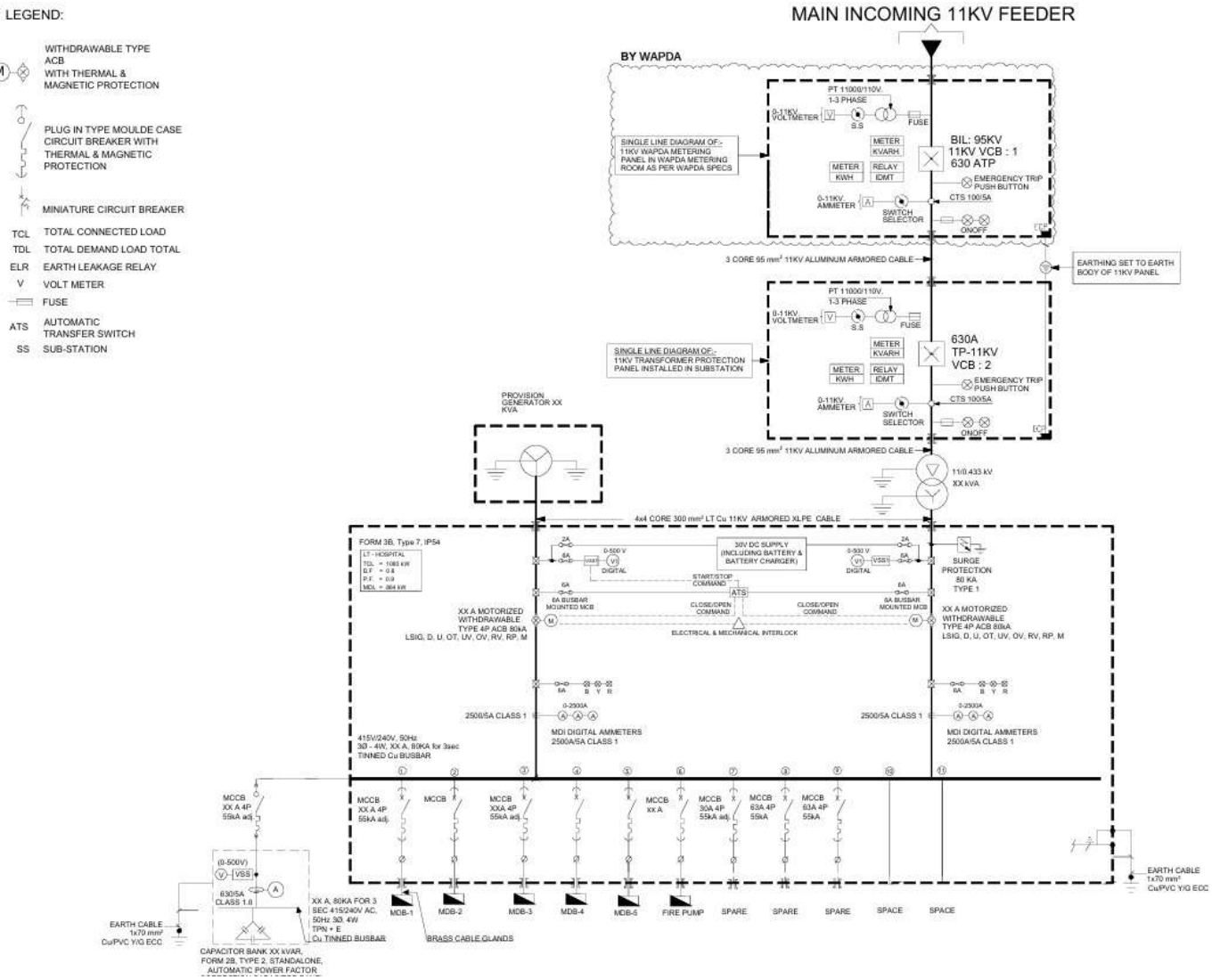
| Specification | Data |
|---|---|
| Temperature Coefficient (Pmax) | -0.29 % / °C |
| Temperature Coefficient (Voc) | -0.25 % / °C |
| Temperature Coefficient (Isc) | 0.05 % / °C |
| Nominal Module Operating Temperature | 41 ± 3°C |

* The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. CSI Solar Co., Ltd. reserves the right to make necessary adjustment to the information described herein at any time without further notice.
Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

## PARTNER SECTION

**CSI Solar Co., Ltd.**
199 Lushan Road, SND, Suzhou, Jiangsu, China, 215129, www.csisolar.com, support@csisolar.com

October 2023. All rights reserved. PV Module Product Datasheet V1.6_EN


LEGEND:
WITHDRAWABLE TYPE ACB WITH THERMAL & MAGNETIC PROTECTION
PLUG IN TYPE MOULDE CASE CIRCUIT BREAKER WITH THERMAL & MAGNETIC PROTECTION
MINIATURE CIRCUIT BREAKER
TCL TOTAL CONNECTED LOAD
TDL TOTAL DEMAND LOAD TOTAL
ELR EARTH LEAKAGE RELAY
V VOLT METER
FUSE
ATS AUTOMATIC TRANSFER SWITCH
SS SUB-STATION
MAIN INCOMING 11KV FEEDER
BY WAPDA
PT 11000/110V, 1-3 PHASE
0-11KV VOLTMETER
S.S
FUSE
METER KVARH
METER KWH
RELAY IDMT
BIL: 95KV
11KV VCB : 1
630 ATP
EMERGENCY TRIP PUSH BUTTON
CTS 100/5A
0-11KV AMMETER
SWITCH SELECTOR
ON/OFF
SINGLE LINE DIAGRAM OF:- 11KV WAPDA METERING PANEL IN WAPDA METERING ROOM AS PER WAPDA SPECS
3 CORE 95 mm² 11KV ALUMINUM ARMORED CABLE
EARTHING SET TO EARTH BODY OF 11KV PANEL
630A
TP-11KV
VCB : 2
SINGLE LINE DIAGRAM OF:- 11KV TRANSFORMER PROTECTION PANEL INSTALLED IN SUBSTATION
PROVISION GENERATOR XX KVA
11/0.433 kV
XX kVA
4x4 CORE 300 mm² LT Cu 11KV ARMORED XLPE CABLE
FORM 3B, Type 7, IP54
LT - HOSPITAL
TCL = 1083 kW
D.F = 0.8
P.F. = 0.9
MDL = 864 kW
0-500 V
DIGITAL
30V DC SUPPLY (INCLUDING BATTERY & BATTERY CHARGER)
START/STOP COMMAND
ATS
SURGE PROTECTION 80 KA TYPE 1
6A BUSBAR MOUNTED MCB
CLOSE/OPEN COMMAND
ELECTRICAL & MECHANICAL INTERLOCK
XX A MOTORIZED WITHDRAWABLE TYPE 4P ACB 80kA LSIG, D, U, OT, UV, OV, RV, RP, M
2500/5A CLASS 1
0-2500A
MDI DIGITAL AMMETERS 2500A/5A CLASS 1
415V/240V, 50Hz 3Ø - 4W, XX A, 80KA for 3sec TINNED Cu BUSBAR
MCCB XX A 4P 55kA adj.
MCCB
MCCB XXA 4P 55kA adj.
MCCB XX A
MCCB 30A 4P 55kA adj.
MCCB 63A 4P 55kA
MCCB 63A 4P 55kA
(0-500V)
VSS
630/5A CLASS 1.0
XX A, 80KA FOR 3 SEC 415/240V AC, 50Hz 3Ø, 4W TPN + E Cu TINNED BUSBAR
MDB-1
MDB-2
MDB-3
MDB-4
MDB-5
FIRE PUMP
SPARE
SPACE
BRASS CABLE GLANDS
EARTH CABLE 1x70 mm² Cu/PVC Y/G ECC
CAPACITOR BANK XX kVAR, FORM 2B, TYPE 2, STANDALONE, AUTOMATIC POWER FACTOR

**NO.12(9) PO(COORD-II)P&D/2025**
**GOVERNMENT OF THE PUNJAB**
**PLANNING & DEVELOPMENT BOARD**
**Dated Lahore the 24th April, 2025**

**Off # 042-99059302**

1. The Secretary to Government of the Punjab,
   i. Finance Department
   ii. FW&F Department
   iii. Environment Protection Department
2. The Secretary, P&D South Punjab Secretariat, Bahawalpur.
3. The Chief Economist/ All Members, P&D Board.
4. The Director, Punjab Economic Research Institute (PERI).
5. The Director General, Monitoring & Evaluation (M&E).
6. The Chief Executive Officer, Urban Unit, Lahore.

Subject: **MINUTES / DECISIONS OF THE MEETING OF PROVINCIAL DEVELOPMENT WORKING PARTY (PDWP). (SECTOR: FW&F)**

I am directed to enclose herewith a copy of minutes of **75th PDWP meeting held on 18th April, 2025** under the chairmanship of Chairman P&D Board, for information and further necessary action of the following Item(s):-

| Agenda Item No. | ADP No. (2024-25) | Name of the Item | Approved Cost (Rs. in million) |
|---|---|---|---|
| 6 | 3276 (New) | Master Planning and Implementation for Eco-Tourism at Changa Manga Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab. | **8,710.57** |

**(ABRAHAM MALL)**
**PLANNING OFFICER (COORD-II)**

**A Copy, along-with copy of the minutes, is forwarded to the:**

| Sr. No. | PARTICULARS |
|---|---|
| | **PLANNING & DEVELOPMENT BOARD:** |
| 1 | Sr. Chiefs:- (Coord. & Mont.), ENV & FW&F / Chiefs: ECA, Technical, Consultancy / Consultant (Coord) |
| 2 | Manager (MIS) P&D Board |
| 3 | PSO to Chairman, P&D Board. |
| 4 | PS to Secretary, P&D Board. |
| | **C.C.** |
| 5 | Chief (Food & Agriculture), M/o Planning, Dev. & Special Initiatives, Govt. of Pakistan, "P" Block, Pak Secretariat, Islamabad. |

**PLANNING OFFICER (COORD-II)**


CamScanner

| | GOVERNMENT OF THE PUNJAB<br>PLANNING & DEVELOPMENT BOARD<br>FW&F SECTION |
|---|---|
| **MINUTES OF 75TH PDWP MEETING HELD ON 18.04.2025** | |
| **Agenda Item No. 6** | Master Planning and Implementation for Eco-Tourism at Changa Manga Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab<br>ADP No. 3276 (New) |
| **Date & Time:** | 18.04.2025 (Wednesday) At 12:30 P.M |
| **Venue:** | Auditorium P&D Board |
| **Participants:** | List Attached |

The Chief (Env.&CC), P&D Board briefed the forum that the project titled "Master Planning and Implementation for Eco-Tourism at Changa Manga Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab" has been included in the ADP 2024-25 under GS. No. 3276 as a new scheme, with an allocation of Rs. 1,000.00 million. However, the nomenclature of the scheme submitted by the department differs from the nomenclature printed in the ADP 2024–25, i.e. 'Eco-Tourism at Changa Manga and Wetlands, Uchali & Chashma'. She further added that the Forestry, Wildlife & Fisheries Department has submitted the PC-I for the project, with an estimated cost of 8,793.025 million and a gestation period of 24 months (til June 2026), for consideration of the PDWP.

2. She further stated that these sites are currently facing a range of challenges, including deforestation, habitat loss, illegal hunting and fishing, agricultural encroachment, domestic waste disposal in lakes, inadequate visitor facilities, and a lack of sustainable, eco-friendly infrastructure. As a result, these areas have become increasingly vulnerable to exploitative consumerism and unregulated tourist activities. Therefore, the project aims to promote ecotourism, environmental education, and biodiversity conservation by developing Changa Manga, Chashma, and Uchali as key destinations. It seeks to create sustainable attractions, support wildlife conservation, generate economic opportunities for local communities, and advance research in biodiversity and ecotourism.

3. The forum was further apprised that PC-I of the subject scheme was discussed and deliberated in detail in the Pre-PDWP meetings held on 14.04.2025 and 17.04.2025 under the chairmanship of Secretary P&D Board / Member (Env. & CC.), P&D Board. As a result of these meetings, the cost of the scheme has been reduced from Rs. 8,793.025 million to Rs. 8,710.57 million.

**Discussion:**

4. The Director General, Wildlife & Parks, briefed the forum on the interventions proposed at each ecotourism site, namely Changa Manga, Uchhali, and Chashma wetlands. The Chair inquired about how the proposed interventions are linked to biodiversity conservation. The Biodiversity Specialist, PMU explained that the interventions aim to promote sustainable ecotourism in these selected biodiversity hotspot areas. The local community will be engaged through economic incentives, such as job creation. Through the proposed community engagement and awareness programs at each site, responsibility will be instilled among the local community, emphasizing that these economic incentives are directly linked to the preservation of biodiversity. Furthermore, a Research Centre proposed at Changa Manga will help to promote biodiversity research.

5. The Member (Energy), P&D Board, opined that the proposed interventions appear to be elite-centric. He further expressed concern that the development of tourism at these sites could ultimately degrade the sanctity and ecology of these areas. He suggested that a Public-Private Partnership (PPP) model should be considered instead of investing billions in the project. He recommended that the government limit its role to regulation and invite the private sector to take part in the development and management of the sites.

6. In response, the CEO, Urban Unit clarified that the proposed interventions are specifically designed for middle-class citizens, as the elite already have the means and resources to experience wilderness abroad. These interventions aim to provide the public with an immersive experience of wildlife and biodiversity in nature. He requested the Director General, W&P, to ensure that biodiversity in these areas is not adversely affected by the construction of the proposed interventions. He further added that, currently, due to encroachment, lack of supervision, and weak law enforcement, biodiversity is already at risk at Changa Manga. Without government intervention, the natural habitat will be compromised. Furthermore, the Director General, W&P assured that the Standard Operating Procedures (SOPs) for ecotourism sites will be followed during the construction of the proposed infrastructure.

7. The Chair further inquired about the increase of Rs. 754.67 million in the Conservancy & Works proposed at Changa Manga following the Pre-PDWP meeting. The Senior Manager-Projects, PMU, explained that the capital cost component for the 'Electric Tram' was reallocated from the revenue side (i.e. Transport) to Conservancy & Works. Therefore, the increase is due to this reallocation, rather than an expansion of the project scope.

8. The Chair inquired about the vehicles (including Safari Jeeps, Motorcycles), electric tram, and electric vehicles (EVs) proposed for Changa Manga. The Director General, W&P, explained that safari jeeps will be procured to provide visitors with an immersive jungle safari experience, while an electric tram will be acquired to replace the existing one, which is currently in a dilapidated condition. Regarding EVs, he informed that they will be used to facilitate transportation for tourists staying at the Ecolodges and glamping pods. The forum agreed with the proposed transport arrangements for these sites.

9. The Chair expressed the view that the FWF Department would need to implement a strict regulatory framework to ensure that the development of eco-tourism does not lead to uncontrolled or haphazard economic development in the areas. The Director General, Wildlife & Parks, assured that recent amendments to the legal framework, along with the strengthening of the Wildlife Protection Force through new recruitments, have equipped the department to enforce such controls effectively.

10. While discussing the human resource requirements for the project, the forum was of the view that, instead of hiring people on the PPS mode, the AD should opt for creating SNEs through the Finance Department, as all the positions are specialist roles. The forum expressed concern that, after the completion of the project, the experience gained by these individuals would be wasted. The Director General, Wildlife & Parks, responded that these positions are required on an immediate basis, and hiring through SNE is a lengthy and cumbersome process. Therefore, the Administrative Department has opted for recruitment under the PPS mode. However, it was assured that, upon completion of the project, these



Government of the Punjab, Lahore

CamScanner

posts will be transitioned to SNE. The forum agreed with the human resource requirements proposed by the department for the project.

11. While briefing the forum on the interventions proposed at the Ramsar sites i.e. Uchali and Chashma; the Chief (Environment & Climate Change), P&D Board, provided an overview of the Ramsar Convention. She highlighted that the Ramsar Convention, officially known as the Convention on Wetlands of International Importance, is an international treaty focused on the conservation and wise use of wetlands. Adopted in 1971 in Ramsar, Iran, and coming into force in 1975, the convention aims to protect wetlands as vital habitats for wildlife and to promote their conservation and sustainable use globally, in order to sustain biodiversity and human well-being. The Ministry of Climate Change and Environmental Coordination (MoCC&EC) has designated specific sites as Ramsar Sites based on the established criteria of the Ramsar Convention.

12. The Director General, W&P, further briefed the forum on the interventions proposed at the Ramsar sites and informed them that the process of acquiring private land at these two locations is underway for the construction of parking areas, eco-lodges, and related facilities. In response to a query from the Chair regarding the already established jetty at Uchali, the Director General, W&P, informed that the Tourism Department had previously constructed a concrete jetty at Uchali Lake, effectively dividing the lake into two parts. The Member (Energy), P&D Board, raised concerns regarding waste management, particularly in relation to the proposed floating restaurant at Uchali. He expressed the view that visitors might dispose of their trash into the lake, thereby contributing to its pollution. The Director General, W&P responded that a provision for solid waste management plan has been included in the PC-I and will be formulated prior to the execution of the component at the sites.

13. The Secretary, P&D, highlighted that during the Pre-PDWP meetings, the department was requested to incorporate a detailed analysis in the PC-I regarding the alignment of the proposed interventions with the Ramsar Convention, to ensure that no activity is undertaken which could harm the conservation status of the wetlands. In response, the Biodiversity Specialist (PMU) shared a document containing a detailed analysis of each intervention and its permissibility under the Ramsar Convention

14. The representative from the Environmental Protection Department commented that the proposed interventions would require an Environmental Impact Assessment (EIA) at each proposed site, and that no intervention should be initiated prior to its completion.

15. The Senior Chief (Coordination), P&D Board, pointed out that the department has proposed a change in the nomenclature of the scheme. Therefore, a summary should be initiated at the earliest for approval of the competent forum regarding the change in project nomenclature. Furthermore, to ensure transparency, it was recommended that the design consultancy be engaged by the PMU, while the resident supervision consultant should be engaged by the Administrative Department. The Member (Energy), P&D Board, also emphasized that the hiring of consultants should be target-based rather than time-based. The forum agreed with this proposal and directed the department to ensure that all consultancies are structured around specific deliverables and outcomes, making them target-bound instead of time-bound.



CamScanner

16. The Chief (Technical) P&D Board highlighted that the cost estimates submitted by the AD are not vetted by the competent authority. The Director General W&P informed that the post of 'Chief Works & Infrastructure' (BPS-19) under PMU of the Wildlife Department has been approved by the PDWP in its meeting dated 16.09.2025. Furthermore, the Department has initiated a case for granting powers of technical sanction and vetting to 'Chief Works & Infrastructure'. The forum directed the department to furnish the vetted copies of cost estimates to the Chief (Technical) P&D Board for vetting.

17. After incorporation of decisions of PDWP, the cost of the project was approved at a cost of Rs. 8,710.57 million with the following break-up

Rs. In Million

| Sr. # | Item of Work | Cost Approved by PDWP |
|---|---|---|
| 1 | Conservancy & Works | 6,158.77 |
| 2 | Machinery, Stores & Equipment | 132.60 |
| 3 | Transport | 428.28 |
| 4 | Cost of Establishment | 139.44 |
| 5 | Commodities & Services | 1,851.48 |
| | **Total** | **8,710.57** |

**Decisions:**

18. After detailed deliberations, the forum unanimously approved the scheme and following decisions were made:

i. The scheme was approved at a cost of Rs. 8,710.57 million till June, 2026 subject to fulfillment of all codal, legal / procedural formalities by the Sponsoring Department as well as Executing Agencies.

ii. A summary to be initiated by the AD for approval of the Provincial Cabinet regarding change in nomenclature of the scheme to 'Eco-Tourism at Changa Manga and Wetlands, Uchali & Chashma' instead of 'Master Planning and Implementation for Eco-Tourism at Changa Manga Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab'.

iii. The cost estimates duly technically vetted by the Department shall be submitted to Technical section of the P&D Board for vetting.

iv. The basis of load calculation for the solar system should be incorporated in the PC-I and provided to the Energy Section of P&DB for vetting.

v. Resident Supervision Consultants should be hired by the AD.

vii. ToRs for consultancies; such as design consultancy, resident supervision, and solid waste management; shall be cleared by the Consultancy Section of the P&D Board.

viii. All consultancies shall be structured around specific deliverables and outcomes thereby making them target-based rather than time-based.

ix. An Environmental Impact Assessment (EIA) shall be carried out at each site prior to the commencement of construction work.

x. A solid waste management plan shall be formulated prior to the execution of work at the sites.

xi. All vehicles procured by the AD shall be properly branded as the property of the FWF Department.

xii. The AD to revise the PC-I accordingly and upload on SMDP Portal.

The meeting concluded with a vote of thanks.



CamScanner

## LIST OF PARTICIPANTS

**75th PDWP MEETING, FY 2024-25** **Dated: 18.04.2025**

| Name of the Officer | | Designation / Department |
|---|---|---|
| **PLANNING & DEVELOPMENT BOARD** | | |
| 1. | Barrister Nabeel A. Awan | Chairman, P&D Board (In Chair) |
| 2. | Dr. Asif Tufail | Secretary, P&D Board / Member (Env. & CC.) |
| 3. | Mr. M. Masood Anwar | Chief Economist |
| 4. | Mr. Shafaat Ali | Member (Health) |
| 5. | Mr. Khawar Kamal | Member (LG&CD / UD) |
| 6. | Mr. Aslam Javed | Member (Agriculture) |
| 7. | Mr. Sadaqat Hussain Khan | Member (Energy) |
| 8. | Mr. Agha M.Ali Abbas | Member (Governance) |
| 9. | Mr. Mohsin Abbas Shakir | Member (Water) |
| 10. | Mr. Mahmood-ul- Hassan | Sr. Chief (RP) |
| 11. | Mr. Sohail Rauf | Sr. Chief (C&M) |
| 12. | Ms. Saba Asghar Ali | Chief (Env. & CC.) |
| 13. | Mr. Abid Inayat Sheikh | Chief (Technical) |
| 14. | Mr. Musa Raza | Assistant Chief (Coord-II) |
| 15. | Ms. Rabbia Ali | Assistant Chief (FW&F) |
| **P&D BOARD SOUTH SECRETARIAT** | | |
| 16. | Mr. Muhammad Akhtar Mundhaira, | Additional Secretary |
| 17. | Mr. Malik Ghulam Farid | Chief |
| 18. | Mr. Muhammad Rashid | Assistant Chief |
| **URBAN UNIT** | | |
| 19. | Mr. Umar Masud | CEO |
| **DG (M&E)** | | |
| 20. | Mr. Mumtaz Ahmad | Director Operator |
| **ENVIRONMENT PROTECTION DEPARTMENT** | | |
| 21. | Mr. Khuram Waqas Malik | Engineer Economist |
| **PUNJAB ECONOMIC RESEARCH INSTITUTE (PERI)** | | |
| 22. | Dr. Muhammad Avais | Research Economist |
| **FOREST, WILDLIFE & FISHERIES** | | |
| 23. | Mr. Muddasir Riaz Malik | Director General (Wildlife & Parks) |
| 24. | Ms. Saba Adil | PD (PMU) |
| 25. | Mr. Junaid Nadem | Deputy Director (Headquarters) |
| **FINANCE DEPARTMENT** | | |
| 26. | Mr. Ihtsham Haider | TA |



CamScanner

# ANNOTATED REPLY ON THE DECISIONS OF PDWP MEETING HELD ON 18.04.2025

| Sr. No. | Decision / Observation | Reply |
|---|---|---|
| 1. | The scheme was approved at a cost of Rs 8,710.57 million till June, 2026 subject to fulfillment of all codal, legal / procedural formalities by the sponsoring Department as well as Executing Agencies. | Accordingly, Scheme is amended. |
| 2. | A summary to be initiated by the AD for approval of the Provincial Cabinet regarding change in nomenclature of the scheme to 'Ecotourism at Changa Manga and Wetlands, Uchali & Chashma instead of 'Master Planning and Implementation for Eco-Tourism at Changa Manga Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab. | The summary was initiated and the name of the scheme was changed to "Ecotourism at Changa Manga and Wetlands, Uchali & Chashma" during the cabinet meeting held on June 03, 2025. The minutes were issued vide letter no. SO(CAB-II)1-27/2025, dated; 16.06.2025 (Attached as Annexure-29) |
| 3. | The cost estimates duly technically vetted by the Department shall be submitted to Technical section of the P&D board for vetting. | The cost estimates are duly vetted by the Department has been submitted to technical section of the P&D board for vetting. |
| 4. | The basis of load calculation for the solar system should be incorporated in the PC-1 and provided to the Energy Section of P&DB for vetting. | The basis of load calculation for the solar system has been incorporated in the PC-1 as Annexure-26 and provided to the Energy Section of P&DB for vetting. |
| 5. | Resident Supervision Consultants should be hired by the AD. | Noted for compliance. |
| 6. | ToRs for consultancies; such as design consultancy, resident supervision, and solid waste management; shall be cleared by the Consultancy Section of the P&D Board. | The TORs have been approved by Consultancy Section of P&D Board vide Letter no. 4(4)CONS/P&D/2025, dated; 19.05.2025 (Attached as Annexure-23). |
| 7. | All consultancies shall be structured around specific deliverables and outcomes thereby making them target-based rather than time-based. | Noted for compliance. |
| 8. | An Environment Impact Assessment (EIA) shall be carried out at each site prior to the commencement of construction work. | Noted for compliance. |
| 9. | A solid waste management plan shall be formulated prior to the execution of work at the sites. | Noted for compliance. |
| 10. | All vehicles procured by the AD shall be properly branded as the property of FWF Department. | Noted for compliance. |
| 11. | The AD to revise the PC-1 accordingly and upload on SMDP Portal. | PC-1 has been revised as per the decisions made in PDWP meeting and the scheme is being uploaded on the SMDP portal. |

**CABINET BUSINESS/TOP PRIORITY/**
**THROUGH SPECIAL MESSENGER**

No.SO(CAB-II)1-27/2025

**GOVERNMENT OF THE PUNJAB**
**SERVICES & GENERAL ADMINISTRATION DEPARTMENT**

(CABINET WING)

Dated Lahore, the 16th June, 2025

To,

1. The Additional Chief Secretary, S&GAD
2. The Secretary, Govt. of the Punjab, Agriculture Department
3. The Secretary, Govt. of the Punjab, SHC&ME Department
4. The Secretary, Govt. of the Punjab, Health & Population Department
5. The Secretary, Govt. of the Punjab, SD&E Department
6. The Senior Member, Board of Revenue, Punjab
7. The Secretary, Govt. of the Punjab, Home Department
8. The Secretary, Govt. of the Punjab, Transport & Masstransit Department
9. The Secretary, Govt. of the Punjab, Law & P.A Department
10. The Secretary, Govt. of the Punjab, Finance Department
11. The Secretary, Govt. of the Punjab, Special Education Department
12. The Secretary, Govt. of the Punjab, SW&BM Department
13. The Secretary, Govt. of the Punjab, ET&NC Department
14. The Secretary, Govt. of the Punjab, PC&CM Department
15. The Secretary, Govt. of the Punjab, Mines & Minerals Department
16. The Secretary, Govt. of the Punjab, Higher Education Department
17. The Secretary, Govt. of the Punjab, LG&CD Department
18. The Secretary, Govt. of the Punjab, Labour & H.R Department
19. The Secretary (I&C), Govt. of the Punjab, S&GAD
20. The Chairman, Planning & Development Board, Punjab
21. The Secretary, Govt. of the Punjab, HUD&PHE Department
22. The Secretary, Govt. of the Punjab, Irrigation Department
23. The Secretary, Govt. of the Punjab, Energy Department
24. The Secretary, Govt. of the Punjab, Information & Culture Department
25. The Secretary, Govt. of the Punjab, EP&CC Department
26. The Secretary, Govt. of the Punjab, Ombudsman Punjab
27. The Secretary, Govt. of the Punjab, Livestock & D.D Department
28. The Secretary, Govt. of the Punjab, IC&I Department
29. The Secretary, Govt. of the Punjab, School Education Department
30. The Secretary, Govt. of the Punjab, FW&F Department
31. The Secretary, Govt. of the Punjab, C&W Department

| EF-OAS, FW&FD | |
|---|---|
| Y NO: | 7676 |
| E | 18-6-25 |
| (A) | ✓ |
| (PM&E) | |
| (T) | ✓ |
| G (Ml.) | |
| G (Fish) | |
| LO | |
| O (Staff) | |
| PS (W) | ✓ |
| | |
| | |

16-06-2

Subject: **MINUTES/DECISIONS OF THE 26th MEETING OF THE PROVINCIAL CABINET HELD ON 03.06.2025 IN THE COMMITTEE ROOM OF 8-CLUB, GOR-I, LAHORE**

I am directed to refer to the subject cited above and to enclose a copy of the minutes / decisions of **26th Meeting of the Provincial Cabinet held on 03rd June, 2025 at 10:30 A.M. in the Committee Room of 8-Club, GOR-I, Lahore,** relating to your department for information and necessary action in terms of Rules 28(15) & 30 of the Punjab Government Rules of Business, 2011:

| Sr.No. | Agenda | Department |
|---|---|---|
| | **Segment – I** | |
| 1. | Confirmation of the Minutes of 25th Meeting of the Provincial Cabinet held on 23.04.2025 | I&C Wing S&GAD |
| | **Segment – II** | |
| 2. | Request for Reimbursement of Medical Charges Amounting to Rs.1,037,621/- | ACS S&GAD |
| 3. | Request for approval of placing the matter of Medical Treatment before the Special Medical Board of Wife of Retired Government Officer availed from Private Hospital | Agriculture |
| 4. | Request for Medical Treatment of Mr. Hadayat Ullah (Cancer Patient) S/o Saeeda Begum R/o District Gilgit | SHC&ME |
| 5. | Reimbursement of Medical Charges of Rs. 371,600/- in respect of Mst. Uzma Rasheed, Deputy Drug Controller, Benazir Bhutto Hospital, Rawalpindi | Health & Population |
| | **Segment – III** | |
| 6. | Submission of Annual Report for the Financial Year 2022-23 of Punjab Technical Education & Vocational Training Authority (P-TEVTA) to the Provincial Assembly of Punjab | SD&E |
| | **Segment – IV** | |
| 7. | Proposal for Conferring the Powers of Sub-Registrar on the Naib Tehsildars & Tehsildars | BOR |
| 8. | Request for Approval of Child Protection Policy, Punjab. | Home |
| 9. | Composition of Agencies Established Under the Punjab Road Safety Authority (PRSA) Act, 2023 | Transport & Masstransit |
| 10. | Amendment in Article 27 (1) of The Constitution of Islamic Republic of Pakistan, 1973 | Law & PA |
| 11. | Measurement Book in Public Works Departments | Finance |
| 12. | Draft Bill of the Punjab Autism School and Resource Centre Lahore Act, 2025 | Special Education |
| 13. | Punjab Senior Citizens Welfare Bill, 2025 | SW&BM |
| 14. | Supply of Retro Reflective Number Plates for Displaying on Motor Vehicles in Punjab - Amendment in Punjab Motor Vehicle Rules, 1969 (Second Schedule) | ET&NC |
| 15. | Launch of Personalized Vanity Plates (PVP) in the Punjab-Fixation of Reserve Price and Transfer Fee | |
| 16. | Registration of Electric Vehicles in the Punjab | |


CamScanner

| | | |
|---|---|---|
| 17. | Incentive System for Whistle Blowers and Officers / Officials of ETNC Department | ET&NC |
| 18. | Amendments in the Punjab Price Control of Essential Commodities Act, 2024 (VII of 2024) | PC&CM |
| 19. | Harmonization of Regulatory Framework for Mineral Sector-Mines and Minerals Act 2025 | Mines & Minerals |
| 20. | Service Level Agreement (SLA) for Technical Support Between Punjab Information Technology Board (PITB) and Higher Education Department (HED) | Higher Education |
| 21. | The Appointment of Chairpersons, Secretaries and Controller of Examinations, Boards of Intermediate and Secondary Education, in Punjab | |
| 22. | The Punjab Primary and Secondary Healthcare Services Bill, 2025 | Health and Population |
| | **Segment – V** | |
| 23. | Relaxation of Ban for Recruitment in Punjab Forensic Science Agency (PFSA) | Home |
| 24. | Relaxation of Ban on Recruitment of 16 Vacant Posts in Walled City of Lahore Authority | LG&CD |
| 25. | Nomination of Presiding Officer, Punjab Labour Court No. IX, Multan | Labour & HR |
| 26. | Request for Dissolution of Board of Management of Punjab Institute of Mental Health, Lahore and Constitution of Administration Committee under the Punjab Medical & Health Institutions Act, 2003 | SHC&MF |
| 27. | Nomination of Admitting University for Conduct of MDCAT-2025 | |
| 28. | Nomination of Secretary, Skills Development and Entrepreneurship Department as Government Nominee Director in the Punjab Skills Development Fund Board of Directors | SD&E |
| 29. | Request for Relaxation of Ban on Recruitment of Staff against Vacant Posts of Infrastructure Development Authority of the Punjab (IDAP) | I&C Wing S&GAD |
| | **Segment – VI** | |
| 30. | Monitoring and Evaluation Allowance for the Officers of Directorate General, Monitoring and Evaluation, Planning & Development Board, Lahore | P&D Board |
| 31. | The Punjab Horticulture Authority Act, 2024 | HUD&PHE |
| 32. | Smog Mitigation measures to make Lahore Climate Resilient through the Development of Green Areas in Lahore | |
| 33. | Acquisition of Land for the Establishment of Medical City in Lahore | BOR |
| 34. | Draft Legal Framework – Administration of Waqf, Trust and Cooperatives Societies Act, 2024 | Home |
| 35. | Redressal of Issues of Water Logging and Salinity under Scarp-VI Project of Rahim Yar Khan | Irrigation |
| 36. | Waiver of Water Rate (Abiana) on Wheat Crop for the Rabi Cropping Season 2024-25 and Extension in the Due Date for the Recovery of Water Rate (Abiana) for Kharif Cropping | |

16-06-25


CamScanner

| | | |
|---|---|---|
| | Season 2024 | Irrigation |
| 37. | Request for Approval - "Valorisation of Lakhodair Landfill Emissions into Valuable Carbon Credits" | LG&CD |
| 38. | Establishment of Air Punjab (Pvt) Ltd Company | Transport & Masstransit |
| 39. | Provision of Interest Free Electric Taxis in Lahore | |
| 40. | Proposed Change in the Tariff of Quaid-e-Azam Thermal Power (Private) Limited and Punjab Thermal Power (Private) Limited by National Task Force on Implementation of Structural Reforms (Power Sector) | Energy |
| 41. | The Punjab Public Awareness and Dissemination of Information Act, 2025 | Information & Culture |
| 42. | Reconstitution of Punjab Film Censor Board | |
| 43. | Request for Constitution of Board of Management of Institute Of Public Health, Lahore Working under the Administrative Control of the Specialized Healthcare & Medical Education Department | SHC&ME |
| 44. | Request for Constitution of Boards of Management of Gujranwala Medical College, Gujranwala & Sahiwal Medical College, Sahiwal, Working under the Administrative Control of the Specialized Healthcare & Medical Education Department | |
| 45. | Provision of Funds for the Procurement of Furniture & Equipment for Tertiary Care Hospitals in Punjab being Revamped | |
| 46. | Memorandum of Understanding (MOU) for Data Sharing among Federal Board of Revenue (FBR) and Revenue Authorities | Finance |
| 47. | Implementation of the Punjab Defined Contribution Pension Scheme Pension Fund Manager Agreement | |
| 48. | Amendments in the Punjab Subsidiary Treasury Rules | |
| 49. | Pension in Case of Re-employment / Appointment after Retirement | |
| 50. | Constitution of a Cabinet Committee for Consideration of proposals under the Grant-in-Aid Policy 2025 | |
| 51. | Supply of Retro-Reflected Number Plates for displaying on Motor Vehicles in Punjab | ET&NC |
| 52. | Approval for Special Environmental Risk Allowance for the Employees of Environmental Protection Agency, Punjab (EPA) | EP&CC |
| 53. | Upgradation of the post of Statistical Assistant from BS-15 to BS-16 in Primary & Secondary Healthcare Department in compliance of order dated 11.03.2024 passed by the Lahore High Court, Lahore in Crl.Org.No.56446-W of 2023 | Health & Population |
| 54. | Inclusion the Post of Secretary, Ombudsman Punjab, in First Schedule Part-I Officers in Category-I [See Rule 2 (1) (C)] The Punjab Delegation of Financial Powers Rules, 2016 | I&C Wing S&GAD/ Ombudsman |
| | **Segment – VII** | |
| 55. | Request for the provision of Grant-in-Aid amounting to Rs. 400.00 Million through a Supplementary Grant in favor of the | Information & Culture |

16-06-25



CamScanner

| | | |
|---|---|---|
| | Punjab Journalists Housing Foundation for the Reallocation/ Transfer of Land from the Ravi Urban Development Authority to establish Phase-II of the PJHF-Lahore Press Club Housing Scheme | Information & Culture |
| 56. | Provision of Funds through Supplementary Grant during Financial Year 2024-25 for Procurement of Branded Customized Motorbikes (100CC) for Field Staff on Hire Purchase Basis | Livestock & D.D |
| 57. | Special Grant-in-Aid for the Bereaved Legal Heirs of Malik Israr Ahmad and Zulifiqar Mirza, Advocates, murdered in a Sad Incident at District Courts, Attock | Law & P.A |
| 58. | Provision of Supplementary Grant to Pay the Pending Liabilities of Ramzan Bazaars, 2022 | IC&I |
| 59. | Request for Provision of Funds to settle Decretal Amount in compliance with Order Dated 09.01.2019 in Execution Petition filed by Mst. Ghazala Saleem Vs. Government of Punjab | Health & Population |
| | **Segment – VIII** | |
| 60. | Request for Inclusion of Schemes in ADP 2024-25 under Chief Minister's Special Initiatives for Additional Classrooms, Missing Facilities, Dangerous Buildings, English Proficiency and Revolving Funds for PEF and PEIMA | School Education |
| 61. | Change of Nomenclature of ADP Scheme "Master Planning and Implementation for Eco-Tourism at Changa Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab" | Secretary FW&F |
| | **Segment – IX** | |
| 62. | Amendment in the Punjab Procurement Rules, 2014 | ACS Punjab |
| 63. | 1st Overhaul of MI-171E Helicopter (AP-BNS) of Government of the Punjab | |
| 64. | Punjab Clean Air Program (PCAP) – World Bank Funded | P&D Board |
| 65. | Rehabilitation of 20 Komatsu D50A-17 Bulldozers – Contract between Agriculture Department and Heavy Industries Taxila (HIT) / Margalla Heavy Industries Limited | Agriculture |
| 66. | Model Agriculture Malls – Contract Between Agriculture Department and Green Corporate Initiatives (GCI) | |
| 67. | Chief Minister's Wheat Support Program 2025 for Wheat Growers/Farmers, having the Land Holding up-to 12.5 Acres in the Punjab | |
| 68. | Constitution of Board of Directors of Punjab Land Development Company, Lahore | HUD&PHE |
| 69. | "Mehrab-Mehfooz Roshan Punjab" Initiative | Home |
| 70. | Safe Jails Punjab | |
| 71. | Extension of Tenure of Mr. Touqeer Ahmed Nasir as Chairman Punjab Film Censor Board | Information & Culture |
| 72. | Re-constitution of Board of Directors for Punjab Rural Municipal Services Company | LG&CD |
| 73. | Chief Minister's Initiative – Launch of "Maryam Nawaz Social | Labour & HR |

16-06-25


CamScanner

| | | |
|---|---|---|
| | Security Ration Card" for the Secured Workers | Labour & HR |
| 74. | Appointment as Member Punjab Labour Appellate Tribunal No.I, Lahore | |
| 75. | Demand of Supplementary Grant for Upgradation and Repair of Existing Bus Shelters in Lahore | Transport & Masstransit |
| 76. | Two Separate Schemes for Development of Depots at Thokar Niaz Baig and Railway Station, Lahore for Induction of Electric Buses in place of ongoing One ADP 2024-2025 Scheme reflected at GS # 3477 titled "Development of Urban Bus Depots and Allied Infrastructure, Lahore" | |
| 77. | Operation of Speedo Busses from Bahawalpur to Lodhran | |
| 78. | Induction of Electric Buses in Cities of Punjab – Sargodha Division | |
| 79. | Induction of Electric Buses in Cities of Punjab – Rawalpindi Division | |
| 80. | Induction of Electric Buses in Cities of Punjab – Multan Division | |
| 81. | Induction of Electric Buses in Cities of Punjab – Gujrat Division | |
| 82. | Induction of Electric Buses in Cities of Punjab – Faisalabad Division | |
| 83. | Induction of Electric Buses in Cities of Punjab – Gujranwala Division | |
| 84. | Induction of Electric Buses in Cities of Punjab – Sahiwal Division | |
| 85. | Induction of Electric Buses in Cities of Punjab – D.G. Khan Division | |
| 86. | Induction of Electric Buses in Cities of Punjab – Bahawalpur Division | |
| 87. | Construction/ Rehabilitation of Various Roads in Village Satrah, Length=3.30km, Tehsil Daska, District Sialkot | C&W |
| 88. | Chief Minister Punjab Special Financing Facility of Rs. 100 Billion for facilitating the Flour Millers and Foodgrains License Holders for maximum purchase of Wheat in the Province during Wheat Harvesting Season 2025 | PC&CM |
| 89. | Chief Minister's Wheat Support Program 2025 for Wheat Growers/Farmers, having the Land Holding up-to 12.5 Acres in the Punjab | |
| 90. | Adoption of Electronic Warehouse Receipts (EWR) System and Commodity Trading for Farmer's Financial Inclusion in Punjab from Current Wheat Harvesting Season 2025 | |
| 91. | Request for Permission to place the case before Provincial Cabinet through its Standing Committee on Finance and Development for Sanction of Funds of Rs.1.7 Billion for Establishment of Four New Sahulat Bazaars and Solarization of 32 Existing Model Bazaars in Punjab through Supplementary Grant during current Financial Year 2024-25 | |
| 92. | Request for Permission to place the case before the Provincial Cabinet through its Standing Committee on Finance and Development for the Sanction of Funds of | |

16-06-25


CamScanner

| | | |
|---|---|---|
| | Rs.675.54 Million for Execution of the Scheme "Sahulat on the Go" in 15 Hotspot Locations of Lahore through Supplementary Grant during Current Financial Year 2024-25 | PC&CM |
| 93. | Chief Minister's Initiative- Launch of the "Maryam Nawaz Rashan Card" for the Mine Workers in Punjab | Mines & Minerals |
| 94. | Approval of Punjab Green Development Program Restructuring | EP&CC |
| 95. | Request for Exemption of Ban on Recruitments for University of Rasul, M.B.Din | IC&I |
| 96. | Amendments in Punjab Delegation of Financial Powers Rules, 2016 | FW&F |
| 97. | Release of Funds Amounting to 2,500 Million for Chief Minister's Flagship Initiative through Technical Supplementary Grant for the Financial Year 2024-25 | Health & Population |
| | **Segment – X** | |
| 98. | Reorganization of City Traffic Police, Lahore | Home |
| 99. | Request for Approval on Hiring of Thirty-Five (35) Positions and Revised Organogram of PBIT | IC&I |
| 100. Ex-Agenda | Purchase of Official Vehicles for Field Tours | Agriculture |
| 101. Ex-Agenda | Request for Approval of Proposed Amendments in the Punjab Police (E&D) Rules, 1975 | Home |
| 102. Ex-Agenda | Establishment of Water and Sanitation Agencies (WASAS) at Divisional Headquarters | HUD&PHE |
| 103. Ex-Agenda | Launch of the "Maryam Nawaz Rashan Card" for the Mine Workers in Punjab- Aproval Term Sheet Provided by Bank of Punjab | Mines & Minerals |
| 104. Ex-Agenda | Request for Additional Funds/Supplementary Grant to PBIT Amounting to Pkr.16.00 Million to Process Payment of Invoices to Sky Wings FZC for VVIP Ground Handling Services Provided during Chief Minister of Punjab's Official Visit to Turkey from 11-13 April, 2025 | IC&I |
| 105. Ex-Agenda | Request for Release of Supplementary Grant Amounting to PKR 15.63 Million to PBIT on Account of Payment to be Made for Aircraft Handling Charges for Chief Minister Punjab's Delegation Visit to China from 8-15 December, 2024 | IC&I |

2. The acknowledgment certificate is enclosed for signature and same may please be returned to Cabinet Wing, S&GAD.

**(IMRAN ALI HARAL)**
SECTION OFFICER (CABINET-II)

**PC:**

1. The Principal Secretary to Chief Minister, Punjab
2. The Secretary (I&C), S&GAD
3. The Additional Secretary (Gen.)/Staff Officer to Chief Secretary, Punjab
4. The Deputy Secretary (Cabinet), S&GAD


CamScanner

**AGENDA ITEM NO.61** **CHANGE OF NOMENCLATURE OF ADP SCHEME "MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA WILDLIFE RESERVE, LAL SUHANRA NATIONAL PARK, WETLANDS AND PROTECTED AREAS IN PUNJAB".**

61.1 The Secretary FW&F Department briefed the Cabinet that a PC-1 scheme titled "Master Planning and Implementation for Eco-Tourism at Changa Manga Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab" is included in the Annual Development Programme (ADP 2024-25) for the Punjab Wildlife & Parks Department. The project initially envisioned to develop eco-tourism facilities at potential / important biodiversity areas such as Changa Manga, Lal Suhanra, Salt Range, Uchhali and Chashma wetlands. However, during project formulation deliberations, it was proposed that the scope of the project may initially be curtailed to only Changa Manga, Chashma and Uchhali, while the remaining sites may be taken up through a separate development project.

61.2 The Cabinet was further apprised that the PC-1 project with reduced scope was presented before the Provincial Development Working Party (PDWP) during its meeting held on 18.04.2025. The project was approved by the Provincial Development Working Party (PDWP) at a cost of Rs. 8,710.57 million. Furthermore, the forum directed that the Wildlife & Parks department would initiate a summary for approval of the Provincial Cabinet for change of nomenclature of the scheme from "Master Planning and Implementation for Eco-Tourism at Changa Manga Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab" to "Eco-tourism at Changa Manga and Wetlands, Uchhali & Chashma".

61.3 The P&D Board examined the case and stated that the proposal of the Forestry, Wildlife & Fisheries Department, regarding the change in the scheme's nomenclature from "Master Planning and Implementation for Eco-Tourism at Changa Manga Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab" (GS. No. 3276 of ADP 2024-25) to "Eco-Tourism at Changa Manga and Wetlands, Uchhali & Chashma" was endorsed. The Chief Minister, Punjab, may accord approval to place the case before the Provincial Cabinet. The Chief Minister had seen and was pleased to desire that the instant matter may be placed before the Provincial Cabinet, for its consideration as proposed by the Administrative Department.

CABINET WING SECTION CABINET-II GOVT. OF THE PUNJAB





CamScanner

61.4 Accordingly, the Cabinet was requested to consider and approve the change of Nomenclature of ADP Scheme from "Master Planning and Implementation for Eco-Tourism at Changa Manga Wildlife Reserve, Lal Suhanra National Park, Wetlands and Protected Areas in Punjab" to "Eco-Tourism at Changa Manga and Wetlands, Uchhali & Chashma".

**DECISION No.61:**

The Cabinet considered and approved the proposal contained in para 61.4 above.

CABINET WING S&GAD GOVT. OF THE PUNJAB SECTION CABINET-II





CamScanner

Annexure29 - Minutes of Cabinet Meeting regarding change of Nomenclature of PC-I Scheme



**AGENDA ITEM NO.96** **AMENDMENTS IN PUNJAB DELEGATION OF FINANCIAL POWERS RULES, 2016**

96.1 The said Agenda Item of FW&F Department was approved by the Provincial Cabinet via circulation on the directions of the Chief Minister on Summary bearing Serial No. 87164 dated 28.04.2025 under rule 25(1)(b) of the Punjab Government Rule of Business, 2011. Accordingly, the Provincial Cabinet was briefed on the instant agenda.

CABINET WING SECTION CABINET GOVT. OF THE PUNJAB





CamScanner

**(TO BE RETURNED TO THE CABINET WING, S&GAD, AFTER SIGNATURE)**

# ACKNOWLEDGEMENT CERTIFICATE

Certified that Cabinet decision (s) on agenda items No.(s) 61, 96 as discussed in **26th Meeting of the Provincial Cabinet,** held on **03.06.2025** has / have been received by me for information and necessary action as required under Rules 28(15) & 30 of the Punjab Government Rules of Business, 2011.

**(NAME & SIGNATURE OF THE SECRETARY CONCERNED)**

Dated:_____

To,

**The Section Officer (Cabinet-II),**
Cabinet Wing, S&GAD.
Government of the Punjab.



CamScanner

GWM

BAIC

**5-Feb-25**

ATTN.

**DJ WILD LIFE**

**WE THANK YOU FOR YOUR INQUIRY, WE ARE PLEASED TO SUBMIT THE BELOW QUOTE:**

| BJ-40 PLUS | PRICE |
|---|---|
| **EX-FACTORY PRICE:** | 11,985,000/- |
| **ADVANCE TAX (FILER)** | 599,250/- |
| **FREIGHT CHARGES:** | 50,500/- |
| **CVT @ 1%:** | 119,850/- |
| **TOTAL:-** | **12,754,600** |

**TERMS:**

| | |
|---|---|
| **WARRANTY:** | 6 YEARS / 150,000KM WHICH EVER COMES FIRST |
| **DELIVERY EX SHOWROOM:** | 3 MONTHS UNIVERSAL DELIVERY TIME FRAME |
| **BOOKING AMOUNT:** | 15,00,000/- RS ONLY |
| **BOOKING PAYMENT:** | PAY ORDER IN FAVOUR OF M/S **SAZGAR ENGINEERING WORKS LIMITED A/C CUSTOMER'S NAME** FOR BOOKING OF VEHICLE |
| **IMPORTANT NOTE:** | PRICE IS PROVISIONAL AND SUBJECT TO CHANGE WITHOUT ANY PRIOR NOTICE. PBO TERMS & CONDITION WILL APPLY AT THE TIME OF "BOOKING" |

THANKYOU

**SOFIA BINT AZHAR BUTT**
**SALES MANAGER**

**HAVAL KAIRA MOTORS GUJRAT**

**0316-5930064**

Kaira Motors (Pvt) Limited
HAVAL SALES

VEHICLE FINAL VALUE WILL BE DETERMINED IN ACCORDANCE WITH THE PREVAILING & GOVERNMENT TAXES AT THE TIME OF DELIVERY OF VEHICLE.

## KAIRA MOTORS GUJRAT

SERVICE MOOR, G.T ROAD, GUJRAT
TEL: (053) 3724583, 3724589 | 0316 5930061-64, EMAIL: kairamotors23@gmail.com

# Malik & Brothers

*Govt. Contractor & General Order Suppliers*

Registered From Income Tax & Sales Department.

Deals In: Office Stationery, Printing, Computer, Printers, Heavy Machineries, Electric Vehicles and parts, Electrical Equipment, Furniture, Promotional Items, etc.

**Reference Number #: 042/456/154**

**Dated: March 26, 2025**

**Project: Wildlife Punjab**

## QUOTATION FOR GENERAL ITEMS

| Sr No. # | Description | Quantity | Unit Price (Rs) |
|---|---|---|---|
| 1. | Motorcycles E-bikes | 01 | 650,000.00 |
| 2. | Portable Transportation cages (light weight) for recovery of sick animal that could be mounted on single pickup. | 01 | 667,500.00 |
| 3. | Capturing cage for Mammals | 01 | 544,000.00 |
| 4. | Transportation Cages for Birds | 01 | 200,000.00 |
| 5. | Cages for Capturing / Transportation of Small Mammals. | 01 | 500,000.00 |
| 6. | Tranquilizer Gun RD 706 | 01 | 800,000.00 |
| 7. | Teledart with accessories or equivalent | 01 | 700,000.00 |
| 8. | Drone Cameras 12 MP | 01 | 500,000.00 |
| 9. | Walky-talky sets with accessories (01 No for vehicle with accessories). | 01 | 100,000.00 |
| 10. | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V, Frequency 50~60 Hz. | 01 | 1,800,000.00 |

# Malik & Brothers

*Govt. Contractor & General Order Suppliers*

Registered From Income Tax & Sales Department.

Deals In: Office Stationery, Printing, Computer, Printers, Heavy Machineries, Electric Vehicles and parts, Electrical Equipment, Furniture, Promotional Items, etc.

| | | | |
|---|---|---|---|
| 11. | Generator 50 KVA brand new Perkins /Volvo diesel generator or equivalent with sound proof canopy and battery price. | 01 | 5,400,000/=Each |
| 12. | Desktop Computers, Intel Corei9, 12thGen, 3.4GHz, Cache 8MB, 8core, RAM-32GB DDR 4dual channel 2133MHz, Hard Disk- 1TB SATAHDD 7200rpm, 256 Bit, Memory Interface 1 x HDMI, 1 x dp, Multi-format DVD Writer or higher specs, with standard key board and mouse, equivalent or above | 01 | 505,000/=Each |
| 13. | LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI&VGA Connectivity | 01 | 160,000/=Each |
| 14. | Office Furniture for Admin Block, Corporate Meeting Hall, Research Center, Information Center & Offices of Wildlife Staff | LS | 50,200,000/=Each |
| 15. | Kitchen utensils and accessories for office use | LS | 505,000/=Each |
| 16. | Simple Binoculars + Night vision | 01 | 105,000/=Each |
| 17. | Binoculars | 01 | 150,000/=Each |
| 18. | Large Nets for Capturing Animals. | 01 | 350,000/=Each |
| 19. | Photocopier | 01 | 320,000/=Each |
| 20. | Color Printer HP latest model or equivalent. | 01 | 220,000/=Each |
| 21. | Multimedia Projector (2500 Lumens) with Screen latest model | 01 | 1,100,000/=Each |
| 22. | Motion Detector Cameras | 01 | 75,000/=Each |
| 23. | Binoculars (Nikon) (16 x 50) or equivalent | 01 | 105,000/=Each |
| 24. | Spotting Scope 80 x 60 or higher resolution with tripod stand. | 01 | 1,050,000/=Each |

# Malik & Brothers

*Govt. Contractor & General Order Suppliers*

Registered From Income Tax & Sales Department.

Deals In: Office Stationery, Printing, Computer, Printers, Heavy Machineries, Electric Vehicles and parts, Electrical Equipment, Furniture, Promotional Items, etc.

| | | | |
|---|---|---|---|
| 25. | Photography Equipment's | LS | 2,000,000/=Each |
| 26. | Refrigerators | 01 | 280,000/=Each |
| 27. | Single Door Refrigerator | 01 | 350,500/=Each |
| 28. | Microwave Oven | 01 | 105,000/=Each |
| 29. | Bush Cutter i/c all accessories | 01 | 105,000/=Each |
| 30. | Electric Vehicles | 01 | 10,550,000/=Each |
| 31. | Search Lights & Safety dress / gears & mics. Safety Equipment's | 01 | 169,000/=Each |
| 32. | Outdoor Public Water Dispenser | 01 | 305,000/=Each |
| 33. | Electrician Tool Kit i/c all accessories | 01 | 225,000/=Each |
| 34. | Welding Plant | 01 | 505,000/=Each |
| 35. | Wheel Chairs | 01 | 128,000/=Each |
| | | **Total Amount (Rs).** | **74,967,500.00** |

# Malik & Brothers

*Govt. Contractor & General Order Suppliers*

Registered From Income Tax & Sales Department.

Deals In: Office Stationery, Printing, Computer, Printers, Heavy Machineries, Electric Vehicles and parts, Electrical Equipment, Furniture, Promotional Items, etc.

**TERMS AND CONDITIONS:**

- Prices: In PKR, Inclusive of All Taxes
- Delivery Schedule: Ex stock prior to sales otherwise 10 to 12 weeks after confirm order along with advance.
- Payment Terms: 100% Advance Payment Along with Purchase Order
- Validity: Quotation is valid for 10 Days
- Taxes & Duties: Above Prices are Based on Current Duty Structure & Today's Dollar Prices any Change in above will be charged according
- **Others:**

a) Force Majeure Clause is Applicable, Part Payment / Part Delivery is Allowed.
b) We are exempted from income tax; therefore, income tax will not be deducted from our payments.
c) Any sample submitted / installed with respect to this quotation will be adjusted in final billing.

**Imran Aziz**

**Sales Manager**

0321-4574251

TRADERS
Big or Small,We Trade All

Deals In: Vehicles, Vehicle Spare parts, Vehicle Engine and Gear lubricants [Multi-grade], Construction services, construction materials, contractors, Electrical, Civil services and allied equipment and Havey Machineries and their parts & etc.

Ref: Quotation/72/25 Dated: 26.03.2025

MSS/ ECSP (Pvt) Ltd

Attn: Mr. Fazal Hussain

**SUBJECT: QUOTATION OF GENERAL ITEMS**

| Sr No. | Item Description | Quantity | Rate per Item | Total Amount |
|---|---|---|---|---|
| 1. | Motorcycles E-bikes | 8 | 650,000.00 | 5,200,000.00 |
| 2. | Portable Transportation cages (light weight) for recovery of sick animal that could be mounted on single pickup. | 4 | 667,500.00 | 2,670,000.00 |
| 3. | Capturing cage for Mammals | 5 | 544,000.00 | 2,720,000.00 |
| 4. | Transportation Cages for Birds | 10 | 200,000.00 | 2,000,000.00 |
| 5. | Cages for Capturing / Transportation of Small Mammals. | 6 | 500,000.00 | 3,000,000.00 |
| 6. | Tranquilizer Gun RD 706 | 1 | 800,000.00 | 800,000.00 |
| 7. | Teledart with accessories or equivalent | 1 | 700,000.00 | 700,000.00 |
| 8. | Drone Cameras 12 MP | 2 | 500,000.00 | 1,000,000.00 |
| 9. | Walky-talky sets with accessories (01 No for vehicle with accessories). | 15 | 100,000.00 | 1,500,000.00 |
| 10. | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V, Frequency 50~60 Hz. | 3 | 1,800,000.00 | 5,400,000.00 |
| 11. | Generator 50 KVA brand new Perkins /Volvo diesel generator or equivalent with sound proof canopy and battery price. | 2 | 5,000,000.00 | 10,000,000.00 |
| 12. | Desktop Computers, Intel Corei9, 12thGen, 3.4GHz, Cache 8MB, 8core, | 2 | 500,000.00 | 1,000,000.00 |

TRADERS
Big or Small,We Trade All

Deals In: Vehicles, Vehicle Spare parts, Vehicle Engine and Gear lubricants [Multi-grade], Construction services, construction materials, contractors, Electrical, Civil services and allied equipment and Havey Machineries and their parts & etc.

| | | | | |
|---|---|---|---|---|
| | RAM-32GB DDR 4dual channel 2133MHz, Hard Disk- 1TB SATAHDD 7200rpm, 256 Bit, Memory Interface 1 X HDMI, 1 X dp, Multi-format DVD Writer or higher specs, with standard key board and mouse, equivalent or above | | | |
| 13. | LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI&VGA Connectivity | 2 | 150,000.00 | 300,000.00 |
| 14. | Office Furniture for Admin Block, Corporate Meeting Hall, Research Center, Information Center & Offices of Wildlife Staff | LS | 50,000,000.00 | 50,000,000.00 |
| 15. | Kitchen utensils and accessories for office use | LS | 500,000.00 | 500,000.00 |
| 16. | Simple Binoculars + Night vision | 2 | 100,000.00 | 200,000.00 |
| 17. | Binoculars | 2 | 150,000.00 | 300,000.00 |
| 18. | Large Nets for Capturing Animals. | 3 | 333,333.00 | 999,999.00 |
| 19. | Photocopier | 1 | 300,000.00 | 300,000.00 |
| 20. | Colour Printer HP latest model or equivalent. | 1 | 200,000.00 | 200,000.00 |
| 21. | Multimedia Projector (2500 Lumens) with Screen latest model | 1 | 1,000,000.00 | 1,000,000.00 |
| 22. | Motion Detector Cameras | 5 | 66,667.00 | 333,335.00 |
| 23. | Binoculars (Nikon) (16 x 50) or equivalent | 5 | 100,000.00 | 500,000.00 |
| 24. | Spotting Scope 80x60 or higher resolution with tripod stand. | 1 | 1,000,000.00 | 1,000,000.00 |
| 25. | Photography Equipment's | LS | 2,000,000.00 | 2,000,000.00 |
| 26. | Refrigerators | 2 | 250,000.00 | 500,000.00 |
| 27. | Single Door Refrigerator | 1 | 333,333.00 | 333,333.00 |
| 28. | Microwave Oven | 5 | 100,000.00 | 500,000.00 |

TRADERS
Big or Small,We Trade All

Deals In: Vehicles, Vehicle Spare parts, Vehicle Engine and Gear lubricants [Multi-grade], Construction services, construction materials, contractors, Electrical, Civil services and allied equipment and Havey Machineries and their parts & etc.

| | | | | |
|---|---|---|---|---|
| 29. | Bush Cutter i/c all accessories | 5 | 100,000.00 | 500,000.00 |
| 30. | Electric Vehicles | 5 | 10,000,000.00 | 50,000,000.00 |
| 31. | Search Lights & Safety dress / gears & mics. Safety Equipment's | 6 | 166,667.00 | 1,000,002.00 |
| 32. | Outdoor Public Water Dispenser | 5 | 300,000.00 | 1,500,000.00 |
| 33. | Electrician Tool Kit i/c all accessories | 1 | 200,000.00 | 200,000.00 |
| 34. | Welding Plant | 1 | 500,000.00 | 500,000.00 |
| 35. | Wheel Chairs | 30 | 120,000.00 | 3,600,000.00 |
| | | **Total Amount (Rs).** | **79,931,500.00** | **152,256,669.00** |

TRADERS
Big or Small,We Trade All

Deals In: Vehicles, Vehicle Spare parts, Vehicle Engine and Gear lubricants [Multi-grade], Construction services, construction materials, contractors, Electrical, Civil services and allied equipment and Havey Machineries and their parts & etc.

**TERMS AND CONDITIONS:**

- Rates are inclusive of GST
- Rates are inclusive of delivery at Site
- Quotation is valid for 07 days only
- 50% Payment in advance and 50% before delivery

For AA TRADERS

Hamza Ali

Prepared By

This is a system generated quotation and does not require any signature

Address: Office #: 10-G, Ali Market Main bazar, Gawalmandi, LahoreLahore-55150, Punjab, Pakistan

Contact: 0300-5781424, +92 (42) 37226537

TRADERS
Big or Small,We Trade All

Deals In: Vehicles, Vehicle Spare parts, Vehicle Engine and Gear lubricants [Multi-grade], Construction services, construction materials, contractors, Electrical, Civil services and allied equipment and Havey Machineries and their parts & etc.

Ref: Quotation/72/25 Dated: 26.03.2025

MSS/ ECSP (Pvt) Ltd

Attn: Mr. Fazal Hussain

**SUBJECT: QUOTATION OF GENERAL ITEMS**

| Sr No. | Item Description | Quantity | Rate per Item | Total Amount |
|---|---|---|---|---|
| 1. | Motorcycles (125 CC) | 2 | 500,000.00 | 1,000,000.00 |
| 2. | Drone Cameras 12 MP | 2 | 500,000.00 | 1,000,000.00 |
| 3. | Walky-talky sets with accessories (01 No for vehicle with accessories). | 15 | 100,000.00 | 1,500,000.00 |
| 4. | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V, Frequency 50~60 Hz. | 1 | 1,800,000.00 | 1,800,000.00 |
| 5. | Simple Binoculars + Night vision | 2 | 100,000.00 | 200,000.00 |
| 6. | Binoculars | 2 | 150,000.00 | 300,000.00 |
| 7. | Bush Cutter i/c all accessories | 5 | 100,000.00 | 500,000.00 |
| 8. | Search Lights & Safety dress / gears & mics. Safety Equipment's | 6 | 166,667.00 | 1,000,002.00 |
| 9. | Outdoor Public Water Dispenser | 3 | 300,000.00 | 900,000.00 |
| 10. | Electrician Tool Kit i/c all accessories | 1 | 200,000.00 | 200,000.00 |
| 11. | Wheel Chairs | 10 | 50,000.00 | 500,000.00 |
| | | **Total Amount (Rs).** | **3,966,667.00** | **8,900,002.00** |

TRADERS

Big or Small,We Trade All

Deals In: Vehicles, Vehicle Spare parts, Vehicle Engine and Gear lubricants [Multi-grade], Construction services, construction materials, contractors, Electrical, Civil services and allied equipment and Havey Machineries and their parts & etc.

**TERMS AND CONDITIONS:**

- Rates are inclusive of GST
- Rates are inclusive of delivery at Site
- Quotation is valid for 07 days only
- 50% Payment in advance and 50% before delivery

For AA TRADERS

Hamza Ali

Prepared By

This is a system generated quotation and does not require any signature

Address: Office #: 10-G, Ali Market Main bazar, Gawalmandi, LahoreLahore-55150, Punjab, Pakistan

Contact: 0300-5781424, +92 (42) 37226537

TRADERS
Big or Small,We Trade All

Deals In: Vehicles, Vehicle Spare parts, Vehicle Engine and Gear lubricants [Multi-grade], Construction services, construction materials, contractors, Electrical, Civil services and allied equipment and Havey Machineries and their parts & etc.

Ref: Quotation/72/25 Dated: 26.03.2025

MSS/ ECSP (Pvt) Ltd

Attn: Mr. Fazal Hussain

**SUBJECT: QUOTATION OF GENERAL ITEMS**

| Sr No. | Item Description | Quantity | Rate per Item | Total Amount |
|---|---|---|---|---|
| 1. | Motorcycles (125 CC) | 2 | 500,000.00 | 1,000,000.00 |
| 2. | Drone Cameras 12 MP | 2 | 500,000.00 | 1,000,000.00 |
| 3. | Walky-talky sets with accessories (01 No for vehicle with accessories). | 15 | 100,000.00 | 1,500,000.00 |
| 4. | Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V, Frequency 50~60 Hz. | 1 | 1,800,000.00 | 1,800,000.00 |
| 5. | Simple Binoculars + Night vision | 2 | 100,000.00 | 200,000.00 |
| 6. | Binoculars | 2 | 150,000.00 | 300,000.00 |
| 7. | Bush Cutter i/c all accessories | 5 | 100,000.00 | 500,000.00 |
| 8. | Search Lights & Safety dress / gears & mics. Safety Equipment's | 6 | 166,667.00 | 1,000,002.00 |
| 9. | Outdoor Public Water Dispenser | 3 | 300,000.00 | 900,000.00 |
| 10. | Electrician Tool Kit i/c all accessories | 1 | 200,000.00 | 200,000.00 |
| 11. | Wheel Chairs | 10 | 50,000.00 | 500,000.00 |
| 12. | Fiberglass 8 seats Speed Boat. Size(L*W*H), 520*170*80cm | 2 | 9,000,000.00 | 18,000,000.00 |
| | | **Total Amount (Rs).** | **12,966,667.00** | **26,900,002.00** |

TRADERS

Big or Small,We Trade All

Deals In: Vehicles, Vehicle Spare parts, Vehicle Engine and Gear lubricants [Multi-grade], Construction services, construction materials, contractors, Electrical, Civil services and allied equipment and Havey Machineries and their parts & etc.

**TERMS AND CONDITIONS:**

- Rates are inclusive of GST
- Rates are inclusive of delivery at Site
- Quotation is valid for 07 days only
- 50% Payment in advance and 50% before delivery

For AA TRADERS

Hamza Ali

Prepared By

This is a system generated quotation and does not require any signature

Address: Office #: 10-G, Ali Market Main bazar, Gawalmandi, LahoreLahore-55150, Punjab, Pakistan

Contact: 0300-5781424, +92 (42) 37226537

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**
**Rough Cost Estimate**
**Grand Summary Sheet**

| Sr. No. | Items | Unit | QTY | Total |
|---|---|---|---|---|
| | **CHANGA MANGA** | | | |
| | **GENRAL ACTIVITY ZONE** | | | |
| 1 | Parking for 250 Vehicles each (Total 500 Vehicles). | Nos. | 2 | 55000000.00 |
| 2 | Main Gate | Nos. | 1 | 40460000.168 |
| 3 | Information Centre | Kanal | 1.7 | 144810000.00 |
| 4 | Research Centre | Kanal | 1.4 | 74010000.00 |
| 5 | Residential Facility (Dorms) for Research Centre | Marla | 10 | 20479999.67 |
| 6 | Botanical Bird Paradise with Butterfly Garden | Kanal | 6 | 350000000.04 |
| 7 | Floor Mounted Fountains Area | Kanal | 4 | 108000000.00 |
| 8 | Tuck Shops near Fountains Area | Marla | 5 | 12499999.57 |
| 9 | Mini Village | Marla | 14 | 25030000.00 |
| 10 | Main Restaurant | Kanal | 3 | 82460000.00 |
| 11 | Rest Rooms near Fountain Area (6+6) Block | Nos. | 1 | 16249999.70 |
| 12 | Rest Rooms near Resturent Area (6+6) Block | Nos. | 1 | 16249999.70 |
| 13 | Construction of Café's | Nos | 2 | 25000000.00 |
| 14 | Mini Zoo | Kanal | 2.2 | 24750000.00 |
| 15 | Heritage Walk | Rft | 223 | 20000000.01 |
| 16 | Craft Bazaar (9 Shops) | Nos. | 9 | 25000000.10 |
| 17 | Amphitheatre | Kanal | 4.4 | 100000000.00 |
| 18 | Picnic Area Development | Kanal | 1 | 3500000.00 |
| 19 | Rest Rooms near Amphitheatre Area (3+3) Block | Nos. | 1 | 7500000.23 |
| 20 | Animal Enclosures Area Kanal | Kanal | 17 | 100000000.00 |
| 21 | Development of Mini Forest (Area Kanal) | Kanal | 35.7 | 20000000.00 |
| | **SAFARI ZONE** | | | |
| 23 | Main Gate | Nos. | 1 | 37500000.01 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**
**Rough Cost Estimate**
**Grand Summary Sheet**

| Sr. No. | Items | Unit | QTY | Total |
|---|---|---|---|---|
| 24 | Ticketing Counter | Nos. | 1 | 5330000.01 |
| 25 | Tram Station near Main Safari Gate along with Charging Station Civil and Allied Works. | Nos. | 1 | 65000000.00 |
| 26 | Tram Station near Jungle Safari Café | Nos. | 1 | 45000000.00 |
| 27 | Jeep Parking for 5 Vehicles | Kanal | 2 | 2700000.00 |
| 28 | Jungle Safari Mini Gate | Nos. | 1 | 14999999.90 |
| 29 | Immersive Tunnel (paintings) on Tram Track | Rft | 150 | 70000000.00 |
| 30 | Watch Towers | Nos. | 8 | 40000000.00 |
| 31 | Jeep Track Rehabilitation (km) | Km | 5.7 | 28500000.00 |
| 32 | Jungle Safari Café | Nos. | 1 | 5810000.00 |
| | **ADVENTURE ZONE** | | | |
| 33 | Elevated Canopy Walkway (metres) | RM | 400 | 220000000.00 |
| 34 | Ticketing Counter | Nos. | 1 | 5330000.00 |
| 35 | Sitting Area | Marla | 10 | 6250000.00 |
| 36 | Medical Centre | Marla | 4.5 | 12940000.01 |
| | **LAKE ZONE** | | | |
| 37 | Eco Tourism Gate with Reception Area | Nos. | 1 | 40000000.00 |
| 38 | Ticketing Counter | Nos. | 1 | 5330000.00 |
| 39 | Parking for EVs near Corporate Meeting Hall | Marla | 10 | 2700000.00 |
| 40 | Corporate Meeting Hall | Kanal | 1.3 | 55350000.00 |
| 41 | Floating Restaurant | Marla | 15 | 149530000.00 |
| 42 | Ecolodges Single Bed | Nos. | 3 | 57000000.00 |
| 43 | Ecolodges Double Bed | Nos. | 2 | 58000000.00 |
| 44 | Parking for EVs near Eco Tourism Club | Marla | 10 | 2700000.00 |
| 45 | Watch Tower | Nos. | 4 | 20000000.00 |
| 46 | Glamping Pods single bed | Nos. | 3 | 25000000.00 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**
**Rough Cost Estimate**
**Grand Summary Sheet**

| Sr. No. | Items | Unit | QTY | Total |
|---|---|---|---|---|
| 47 | Glamping Pods double bed | Nos. | 2 | 25000000.00 |
| 48 | Provision of Solar Facility | Nos. | 1 | 25000000.00 |
| 49 | Admin Block for Eco Lodges Zone | Marla | 10 | 20000000.00 |
| 50 | Boundary Wall Fence | Km | 5 | 23790000.21 |
| 51 | Complete Utilities Infrastructure Works WS/Sewerage | Job | Job | 150000000.00 |
| 52 | Complete Electrical and Electrical Distribution Works | Job | Job | 249000000.00 |
| 53 | Complete Fire Fighting and Fire Protection Works | Job | Job | 3000000.00 |
| 54 | Complete IT works | Job | Job | 454000000.00 |
| 55 | Changa Manga Staff Residential Quarters | Nos. | 6 | 50000000.00 |
| **TOTAL "A"** | | | | **3245759999.32** |
| **CHASHMA** | | | | |
| **Zone – I** | | | | |
| 1 | Link Road to Connect DI Khan Road to Gernali Road | Km | 1.3 | 19500000.00 |
| 2 | Access Road from Gernali Road to Chashma Ecotourism Zone | Km | 1 | 12000000.00 |
| 3 | Parking for 100 Vehicles and 50 Motorcycles | Kanal | 10 | 25310000.00 |
| 4 | Rest Rooms (6+6) Block Near Parking Block | Nos. | 1 | 16800000.00 |
| 5 | Rest Rooms (6+6) Block Near Restaurant Block | Nos. | 1 | 16800000.00 |
| 6 | Information Centre | Kanal | 2.2 | 50380000.00 |
| 7 | Kids Play Zone Area – Dolphin Theme. | Kanal | 5 | 80000000.00 |
| 8 | Restaurant. | Kanal | 2 | 74400000.00 |
| 9 | Boating Deck | Nos. | 1 | 10000000.00 |
| 10 | Fishing Deck | Nos. | 1 | 10000000.00 |
| 11 | Ecolodges Single Bed | Nos. | 3 | 57000000.00 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**
**Rough Cost Estimate**
**Grand Summary Sheet**

| Sr. No. | Items | Unit | QTY | Total |
|---|---|---|---|---|
| 12 | Ecolodges Double Bed | Nos. | 2 | 58000000.00 |
| 13 | Admin Block | Marla | 10 | 17500023.76 |
| 14 | Boundary Wall Fence | Km | 3.8 | 21820000.00 |
| 15 | Complete Utilities Infrastructure Works WS/Sewerage | Job | | 75000000.00 |
| 16 | Complete Electrical and Electrical Distribution Works | Job | | 174110000.00 |
| 17 | Complete Fire Fighting and Fire Protection Works | Job | | 11060000.00 |
| 18 | Provision of Solar Facility | Nos. | 1 | 10000000.00 |
| 19 | Complete IT works | Job | | 92010000.00 |
| **TOTAL "B"** | | | | **831690023.76** |
| **UCHALI** | | | | |
| **Zone – I** | | | | |
| 1 | Parking for 100 vehicles and 50 Motorcycles including Cat eyes and speed breakers on Main Road as per Master Plan. | Kanal | 10 | 25000000.00 |
| 2 | Rest rooms block near parking (6+6) Block | Nos. | 1 | 16800000.00 |
| 3 | Information Centre | Kanal | 1 | 67500000.04 |
| 4 | Cultural Bazaar | Kanal | 2 | 14090441.87 |
| 5 | Restaurant | Kanal | 1 | 76500000.15 |
| 6 | Photographic Deck | Nos. | 1 | 10000000.00 |
| 7 | Painting Spots | Nos. | 2 | 10000000.00 |
| 8 | Boating Deck | Nos. | 1 | 10000000.00 |
| **Zone – II** | | | | |
| 9 | Ecolodges single beds | Nos. | 3 | 57000000.00 |
| 10 | Ecolodges Double beds | Nos. | 2 | 58000000.00 |
| 11 | Glamping Pods single beds | Nos. | 3 | 30000000.00 |
| 12 | Glamping Pods Double beds | Nos. | 2 | 30000000.00 |
| 13 | Star Gazing Tower | Nos. | 1 | 6500000.00 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**
**Rough Cost Estimate**
**Grand Summary Sheet**

| Sr. No. | Items | Unit | QTY | Total |
|---|---|---|---|---|
| 14 | Kids Play zone Area Near Ecolodges | Kanal | 2 | 2500000.00 |
| 15 | Boating Deck in Zone 2 | Nos. | 1 | 10000000.00 |
| 16 | Boundary Fencing for the Zone 2 | Rft | 1 | 18700000.00 |
| 17 | Watch Towers/Security Towers for Zone 2 | Nos | 4 | 20000000.00 |
| 18 | Landscaping Area | Kanal | | 10000000.00 |
| 19 | Admin Block | Marla | 10 | 17500000.00 |
| 20 | Complete Utilities Infrastructure Works WS/Sewerage | Job | | 50000000.00 |
| 21 | Complete Electrical and Electrical Distribution Works | Job | | 202000000.00 |
| 22 | Complete Fire Fighting and Fire Protection Works | Job | | 8440000.00 |
| 23 | Provision of Solar Facility | Nos. | 1 | 10000000.00 |
| 24 | Complete IT works | Job | | 103850000.00 |
| **TOTAL "C"** | | | | **864380442.06** |
| | | **Grand Total** | | **4943.45** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| SR.No | DESCRIPTION | AMOUNT (RS.) |
|---|---|---|
| 1 | BILL NO. 1 : EARTHWORKS | 1,583,358 |
| 2 | BILL NO. 2 : SUBBASE AND BASE COURSE | 1,975,204 |
| 3 | BILL NO. 3 : ANCILLARY WORKS | 11,759,727 |
| 4 | BILL NO. 4 : STRUCTURES | 30,415,542 |
| 5 | BILL NO.4: ESTIMATED AMOUNT POST FOR NON SCHEFULE AND POST DESIGN | 9,266,169 |
| **(A) TOTAL CONSTRUCTION COST (RS.) =** | | **55,000,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 1 : EARTHWORKS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item No. | Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|
| | | | | Figure | |
| 3/48-a | Jungle clearance and removing within 100 ft. (30 m). Light (for Clearing & Grubbing) | | | | |
| | Car Parking Area | P.Sft | 44400.00 | 0.38 | 16,694.40 |
| 3/47. | Cutting and removing trees within a distance of 100 ft. (30 m) | | | | |
| | upto 2½ ft. (760 mm) girth. | Each | 45.00 | 2,237.40 | 100,683.00 |
| | above 2½ ft. to 6 ft. (760 to 1800 mm) girth. | Each | 15.00 | 4,356.00 | 65,340.00 |
| 3,/ 46 | Uprooting stump and removing within 100 ft. (30 m) from 2 ft. to 6 ft. (600 to 1800 mm) girth. | Each | 60.00 | 2,821.50 | 169,290.00 |
| 3/25. | Compaction of earthwork with power road roller, including ploughing, mixing, moistening earth to optimum moisture content in layers, etc. complete: (For N.G.C) | | | | |
| i | 95% to 100% maximum modified AASHO dry density. | P.Cft | 999.00 | 1.702 | 1,700.30 |
| ii | 90% maximum modified AASHO dry density. | P.Cft | 5661.00 | 1.437 | 8,134.86 |
| 3/5. | Earthowrk in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:- | | | | |
| | i) 95% to 100% maximum modified AASHO dry density. | P.Cft | 44400.00 | 9.681 | 429,836.40 |
| | | | | **Total for Each** | 791,678.96 |
| | | | | **Total for 2 Parking** | **1,583,357.91** |

**0**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 2 : SUBBASE AND BASE COURSE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item No. | Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|
| 18/03-aii | Providing and laying Sub-base Course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of Sub-base Material to required depth, grade to achieve 100% maximum modified AASHO dry density, icluding carriage of all materials lead 30 km. | P.Cft. | 7,930 | 124.54 | 987,602 |
| | Total for Each | | | | 987,602 |
| | **Total for 2 Parking** | | | | **1,975,204** |

**0**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 3 : ANCILLARY WORKS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item No. | Description | Unit | Quantity | Rate (Rs.) Figure | Amount (Rs.) |
|---|---|---|---|---|---|
| 6/53 b ii | Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. With Painting 18" high | P.Rft | 2,968.00 | 703.95 | 2,089,324 |
| 10/45c | Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved Manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.(50% Grey / 50% Coloured) 80-mm thick | Sft | 15,860.00 | 239.00 | 3,790,540 |
| | Total for Each | | | | 5,879,864 |
| | **Total for 2 Parking** | | | | **11,759,727** |

**0**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 4 : STRUCTURES**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item No. | Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|
| 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, | | | | |
| | ii) in ordinary soil | P.Cft | 22963.5 | 15.824 | 363374.424 |
| 6/5 i. | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | P.Cft | 1148.175 | 375.16 | 430749.33 |
| 6/6-c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | P.Cft | 5443 | 694.7 | 3,781,391 |
| 6/6-a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | P.Cft | 3062 | 841.70 | 2,577,117 |
| 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- ('b) Deformed bars (ii) (Grade-60) | P.Kg | 25541 | 303.10 | 7,741,330 |

**0**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 4 : STRUCTURES**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item No. | Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|
| 26/44. | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the | P.Sft | 25005 | 12.55 | 313,809 |
| | **Total for Each** | | | | 15,207,771 |
| | **Total for 2 Parking** | | | | **30,415,542** |

**0.00**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 1 : EARTHWORKS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item | Description | No. | Length | Width | Depth | Quantities | Unit |
|---|---|---|---|---|---|---|---|
| 3/48-a | **Jungle clearance and removing within 100 ft. (30 m). Light (for Clearing & Grubbing)** | | | | | | |
| | Car Parking Area | | Area | 44,400.00 | | 44,400.00 | |
| | | | | | **Total=** | **44,400.00** | **Sft** |
| | | | | | | | |
| 3/47. | **Cutting and removing trees within a distance of 100 ft. (30 m)** | | | | | | |
| a | upto 2½ ft. (760 mm) girth. | **45** | | | | **45.00** | **Each** |
| b | above 2½ ft. to 6 ft. (760 to 1800 mm) girth. | **15** | | | | **15.00** | **Each** |
| | | | | | | **.** | |
| 3/48. | Uprooting stump and removing within 100 ft. (30 m) from 2 ft. to 6 ft. (600 to 1800 mm) girth. | | | | | | |
| | **Quantity As above item 3/45.** | **60** | | | | **60.00** | **Each** |
| | | | | | | | |
| 3/25. | Compaction of earthwork with power road roller, including ploughing, mixing, moistening earth to optimum moisture content in layers, etc. complete: (For N.G.C) | | | | | | |
| i | 95% to 100% maximum modified AASHO dry density. | | | | | **999.00** | **Cft** |
| ii | 90% maximum modified AASHO dry density. | | | | | **5,661.00** | **Cft** |
| | **SUMMARY OF CUT AND FILL** | | | | | | |
| 3/5. | Earthowrk in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:- | | | | | | |
| | i) 95% to 100% maximum modified AASHO dry density. | **1** | Area | 44,400.00 | 1.00 | **44,400.00** | **Cft** |
| | | | | | | | |

**0.00**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 2 : SUBBASE AND BASE COURSE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item # | Item Description | Unit | No | Length | Width | Depth | Quantities |
|---|---|---|---|---|---|---|---|
| 18/03-aii | Providing and laying Sub-base Course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of Sub-base Material to required depth, grade to achieve 100% maximum modified AASHO dry density, icluding carriage of all materials lead 30 km. | | | | | | |
| | | | | | | | |
| | **GRANULAR SUBBASE** | | | | | | |
| | CARRIAGE WAY | Cft | Area | 15,860 | | 0.50 | **7,930** |
| | | | | | | | |
| | | | | | | | **7,930** |
| | | | | | | | |

**0**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 3 : ANCILLARY WORKS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item No. | Description | Unit | No. | Length | Width | Height | Quantities |
|---|---|---|---|---|---|---|---|
| 6/53 b ii | Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. With Painting 18" high | | | | | | |
| | | | | | | | |
| | Main Carriage Way | Ft | | 2968.000 | | | 2,968.00 |
| | | | | | | | |
| | | | | | | Total : | 2,968.00 |
| | | | | | | **Say :** | **2,968.00** |
| | | | | | | | |
| 10/45c | Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved Manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.(50% Green / 50% Coloured) 80 mm thick | | | | | | |
| | | Sft | | Area | 15860.00 | | **15,860.00** |
| | | | | | | | |
| | | | | | | Total : | **15,860.00** |
| | | | | | | | |
| | | | | | | | |

**0.00**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 4 : STRUCTURES**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item # | Item Description | Unit | No | Length/Area ft | Avg. Width ft | Depth ft | Quantities |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) | | | | | | |
| | Footing | Cft | 216 | 4.50 | 4.50 | 5.00 | 21,870.00 |
| | | | | | sub Total | | 21,870.00 |
| | | | | | Add 5% | | 1,093.50 |
| | | | | | **Total** | | **22,963.50** |
| 6/5 i. | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | | | |
| | Footing | Cft | 216 | 4.50 | 4.50 | 0.25 | 1,093.50 |
| | | | | | sub Total | | 1,093.50 |
| | | | | | Add 5% | | 54.68 |
| | | | | | **Total** | | **1,148.18** |
| 6/6-c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal | | | | | | |
| | Footing | Cft | 216 | 4.00 | 4.00 | 1.50 | 5,184.00 |
| | | | | | sub Total | | 5,184.00 |
| | | | | | Add 5% | | 259.20 |
| | | | | | **Total** | | **5,443.20** |
| 6/6-a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (2) Type B | | | | | | |

**0.00**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM CAR PARKING**

**BILL NO. 4 : STRUCTURES**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Item # | Item Description | Unit | No | Length/Area ft | Avg. Width ft | Depth ft | Quantities |
|---|---|---|---|---|---|---|---|
| | Plinth Columns | Cft | 216 | 1.50 | 1.50 | 6.00 | 2,916.00 |
| | | | | | sub Total | | 2,916.00 |
| | | | | | Add 5% | | 145.80 |
| | | | | | **Total** | | **3,061.80** |
| 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- ('b) | | | | | | |
| | Foundation | Kg | 1 | 5,443.20 | 2.50 | Per Cft | 13,608.00 |
| | Plinth Columns | Kg | 1 | 3,061.80 | 3.50 | Per Cft | 10,716.30 |
| | | | | | sub Total | | **24,324.30** |
| | | | | | Add 5% | | 1,216.22 |
| | | | | | **Total** | | **25,540.52** |
| | | | | | | | |
| 26/44. | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | | | | | | |
| | Footing | Cft | 216 | 4.50 | 4.50 | | 4,374.00 |
| | Sides | | | | | | |
| | Footing | Cft | 864 | 4.50 | | 5.00 | 19,440.00 |
| | | | | | sub Total | | **23,814.00** |
| | | | | | Add 5% | | 1,190.70 |
| | | | | | **Total** | | **25,004.70** |
| | | | | | | | |
| | | | | | | | |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## MAIN GATE

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 40,460,000 | |
| | **Grand.Total** | **40,460,000** | **40,460,000** |

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## MAIN GATE

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 5,395.50 | 15.82 | 85,357 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 4,734.00 | 7.54 | 35,694 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 588.00 | 16.02 | 9,420 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): | | | | |
| | | Foundation | P.Cft | 337.22 | 375.16 | 126,511 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 264.00 | 124.41 | 32,844 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): | | | | |
| | | Ground Floor | P.Cft | 136.00 | 497.23 | 67,623 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 1,753.54 | 100.03 | 175,406 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 944.21 | 41.07 | 38,779 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN GATE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,946.06 | 694.70 | 1,351,930 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 307.50 | 841.70 | 258,823 |
| 11 | 6/12 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 3,500.00 | 303.10 | 1,060,850 |
| | **12. WOOD WORK** | | | | | |
| 12 | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 873.18 | 14,603.05 | 12,751,091 |
| 13 | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 1,200.00 | 74.32 | 89,184 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN GATE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **25. IRON WORK** | | | | | |
| 14 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 6,500.00 | 388.93 | 2,528,045 |
| 15 | **NS-1** | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel.. | P.Sft | 2,281.65 | 2,150.00 | 4,905,548 |
| 16 | **NS-2** | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing. | P.Sft | 2,281.65 | 400.00 | 912,660 |
| 17 | **NS-3** | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 2,281.65 | 450.00 | 1,026,743 |
| 18 | - | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | - | - | 15,003,493 |
| | | **Total** | | | | 40,460,000 |
| | | **Total** | | | | **40,460,000** |

## MEASURMENT SHEETS

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### MAIN GATE

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing | | 2 | 24.75 | 27.25 | 4.00 | 5,395.50 | |
| | | | | | | **Total:** | **5,395.50** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 100% | 5,395.50 | | | 5,395.50 | |
| | **D/d Pcc** | | -2 | 13.50 | 14.00 | 0.25 | (94.50) | |
| | **D/d Rcc** | | -2 | 13.00 | 13.50 | 1.50 | (526.50) | |
| | **D/d Rcc Columns** | | -8 | 1.50 | 1.50 | 2.25 | (40.50) | |
| | | | | | | **Total:** | **4,734.00** | Cft |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ticket Room | | 2 | 7.00 | 12.00 | 3.50 | 588.00 | |
| | | | | | | **Total:** | **588.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing | | 2 | 24.75 | 27.25 | 0.25 | 337.22 | |
| | | | | | | **Total:** | **337.22** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | | | 2 | 400.00 | Area | 0.33 | 264.00 | |
| | | | | | | **Total:** | **264.00** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | | | 2 | 400.00 | Area | 0.17 | 136.00 | |
| | | | | | | **Total:** | **136.00** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing | 65% | 2 | 24.75 | 27.25 | 2.00 | 1,753.54 | |
| | | | | | | **Total:** | **1,753.54** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing | 35% | 2 | 24.75 | 27.25 | 2.00 | 944.21 | |
| | | | | | | **Total:** | **944.21** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing | | 2 | 24.25 | 26.75 | 1.50 | 1,946.06 | |
| | | | | | | **Total:** | **1,946.06** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| a | **Plinth Columns** | | | | | | | |
| | C-1 | | 8 | 1.50 | 1.50 | 6.25 | 112.50 | |
| b | **Plinth Bemas** | | | | | | | |
| | PB-1 | | 4 | 13.25 | 1.25 | 1.50 | 99.38 | |
| | PB-1 | | 4 | 12.75 | 1.25 | 1.50 | 95.63 | |
| | | | | | | **Total** | **307.50** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,946.06 | 2.00 | Per Cft | 3,892.13 | |
| | Superstructural | | 1 | 307.50 | 4.50 | Per Cft | 1,383.75 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **5,275.88** | Kg |
| 12 | **Wooden Cladding Sheet** | | | | | | | |
| | | 50% | 1 | 40.00 | 0.84 | 45.000 | 756.00 | |
| | | 50% | 1 | 15.00 | 0.84 | 12.000 | 75.60 | |
| | | | | | **Add 5%** | **Total:** | **873.18** | **Cft** |
| 13 | **French polishing** | | | | | | | |
| | | 50% | 2 | 80.00 | | 45.000 | 3,600.00 | |
| | | 50% | 2 | 33.00 | | 12.000 | 396.00 | |
| | | | | | **Add 5%** | **Total:** | **4,195.80** | **Sft** |
| 14 | **Fabrication of heavy steel work** | | | | | | | |
| | MS Box 6"x6"x1/4" | 4 | 4 | 19.75 | 2.00 | 0.021 | 13.27 | Cft |
| | MS Box 6"x6"x1/4" | 4 | 4 | 21.25 | 2.00 | 0.021 | 14.28 | Cft |
| | MS Box 6"x6"x1/4" | 4 | 2 | 60.00 | 2.00 | 0.021 | 20.16 | Cft |
| | Truss MS Box 6"x6"x1/4" | 2 | 2 | 33.50 | 2.00 | 0.021 | 5.63 | Cft |
| | Truss MS Box 6"x6"x1/4" | 2 | 5 | 14.50 | 2.00 | 0.021 | 6.09 | Cft |
| | Center MS Box 3"x3"x1/8" | 1 | 14 | 12.00 | 1.32 | 0.011 | 2.33 | Cft |
| | Center MS Box 3"x3"x1/8" | 1 | 2 | 33.50 | 1.32 | 0.011 | 0.93 | Cft |
| | Center MS Box 3"x3"x1/8" | 1 | 2 | 14.50 | 1.32 | 0.011 | 0.40 | Cft |
| | Center MS Box 3"x3"x1/8" | 1 | 24 | 7.75 | 1.32 | 0.011 | 2.58 | Cft |
| | Columns Box 10" dia x1/4" | 1 | 8 | 45.00 | 2.64 | 0.021 | 19.94 | Cft |
| | M.S Base Plate 16"dia x 1 1/2" | 4 | 8 | 1.5607 | Area | 0.125 | 6.24 | Cft |
| | Anchor Bolts 3/4" dia | 8 | 8 | 0.0031 | Area | 3.00 | 0.59 | Cft |
| | | | | | **Add 5%** | **Total** | **97.06** | Cft |
| | | | | **97.06** | Lbs Per cft | **490.00** | **47,559.68** | Lbs |
| | | | | | | **Total** | **21,578.80** | Kg |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | **Add 10% Revit & Extra Work** | | | **23,736.68** | Kg |
| 15 | **Painting of Iron Work** | | | | | | | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | | | | | |
| | MS Box 6"x6"x1/4" | 4 | 4 | 19.75 | 2.00 | | 632.00 | |
| | MS Box 6"x6"x1/4" | 4 | 4 | 21.25 | 2.00 | | 680.00 | |
| | MS Box 6"x6"x1/4" | 4 | 2 | 60.00 | 2.00 | | 960.00 | |
| | Truss MS Box 6"x6"x1/4" | 2 | 2 | 33.50 | 2.00 | | 268.00 | |
| | Truss MS Box 6"x6"x1/4" | 2 | 5 | 14.50 | 2.00 | | 290.00 | |
| | Center MS Box 3"x3"x1/8" | 1 | 14 | 12.00 | 1.32 | | 221.76 | |
| | Center MS Box 3"x3"x1/8" | 1 | 2 | 33.50 | 1.32 | | 88.44 | |
| | Center MS Box 3"x3"x1/8" | 1 | 2 | 14.50 | 1.32 | | 38.28 | |
| | Center MS Box 3"x3"x1/8" | 1 | 24 | 7.75 | 1.32 | | 245.52 | |
| | Columns Box 10" dia x1/4" | 1 | 8 | 45.00 | 2.64 | | 949.54 | |
| | M.S Base Plate 16"dia x 1 1/2" | 4 | 8 | 1.5607 | Area | | 49.94 | |
| | Anchor Bolts 3/4" dia | 8 | 8 | 0.0031 | Area | | 0.20 | |
| | | | | | | **Total** | **4,423.67** | Sft |
| 16 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | footing | | 2 | 24.75 | 27.25 | | 1,348.88 | |
| | **sides** | | | | | | | |
| | footing | | 4 | 24.75 | | 4.00 | 396.00 | |
| | footing | | 4 | 27.25 | | 4.00 | 436.00 | |
| | | | | | | **Total:** | **2,180.88** | **Sft** |
| | | | | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**SUMMARY OF COST**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **Schedule items** | | | |
| 1 | CIVIL WORK | 144,810,000 | |
| 2 | PLUMBING WORK | | |
| 3 | ELECTRICAL WORK | | |
| | **Grand.Total** | **144,810,000** | **144,810,000** |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## INFORMATION CENTER

## ENGINEER'S COST ESTIMATE

## CIVIL WORK

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual. ii) in ordinary soil. | P.Cft | 9,925.25 | 15.82 | 157,017 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 3,970.10 | 7.54 | 29,935 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 15,123.35 | 16.02 | 242,276 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 846.93 | 375.16 | 317,733 |
| | | Ground Floor | P.Cft | 2,085.46 | 375.16 | 782,380 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 2,085.46 | 124.41 | 259,452 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 1,074.33 | 497.23 | 534,188 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 4,440.48 | 100.03 | 444,181 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 2,391.03 | 41.07 | 98,199 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a)(i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,814.80 | 694.70 | 1,260,743 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 1,499.13 | 841.70 | 1,261,814 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 9,862.86 | 303.10 | 2,989,433 |
| 12 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 265.50 | 133.62 | 35,476 |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## INFORMATION CENTER

## ENGINEER'S COST ESTIMATE

## CIVIL WORK

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 531.00 | 81.96 | 43,521 |
| | **7. BRICK WORK** | | | | | |
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 4,943.68 | 370.56 | 1,831,928 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 6,201.00 | 392.61 | 2,434,575 |
| | **10. FLOORING** | | | | | |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,895.38 | 41.07 | 77,843 |
| 17 | 10/16 i | Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (i) 3"(75 mm) thick | P.Sft | 1,248.00 | 166.54 | 207,842 |
| 18 | 10- 23-a | 1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete,including rubbing and polishing complete with finishing :<br>-(a) using grey cement | P.Sft | 714.00 | 298.76 | 213,315 |
| 19 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 147.00 | 312.65 | 45,960 |
| 20 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 407.00 | 384.70 | 156,573 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 21 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 983.00 | 1,233.15 | 1,212,186 |
| | **11. SURFACE RENDERING** | | | | | |
| 22 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 9,264.00 | 46.18 | 427,812 |
| 23 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 4,536.00 | 62.00 | 281,232 |
| | **12. WOOD WORK** | | | | | |
| 24 | 12/16 | Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: | | | | |
| | | b) double rebate | P.Sft | 56.00 | 535.65 | 29,996 |
| 25 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 56.00 | 950.00 | 53,200 |
| 26 | 12/22 | Providing and fixing, approved quality mortice lock. | Each | 2.00 | 1,110.00 | 2,220 |
| 27 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 28 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: **i) 1st coat** | P.Sft | 4,536.00 | 47.26 | 214,371 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | **ii) 2nd coat** | P.Sft | 4,536.00 | 26.52 | 120,295 |
| | **25. IRON WORK** | | | | | |
| 29 | 25/57 | Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable or approved equivalent manufacturer, having 2 mm thick Frame size D48-A , i/c 12 mm Tempered glass with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardwareetc. completein all respect as approved and directed by the Engineer Incharge. (Floor hinge will be paid separately). (Door & Glass Wall) | P.Sft | 2,590.50 | 1,640.45 | 4,249,586 |
| 30 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 2,532.00 | 1,306.55 | 3,308,185 |
| 31 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 1,266.00 | 542.80 | 687,185 |
| 32 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 2,532.00 | 1,191.85 | 3,017,764 |
| 33 | 9/13 b | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- b) 22 BWG | | | | |
| | b) | 22 BWG | P.Sft | 9,935.00 | 416.82 | 4,141,107 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 34 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 44,916.59 | 388.93 | 17,469,411 |
| 35 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 29,805.00 | 11.91 | 354,978 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 59,610.00 | 24.24 | 1,444,946 |
| 36 | 16/42 bi | Staking with Bamboo from market and bushing from canal plantation or private source (royalty of brushwood to be paid to Forest Department or cost to private owner, if and when required):- i) Supplying Bamboos 10'-1" to 12.0' (3.07 to 3.66 m) long, 2½" to 5" (63 to 125 mm) dia | Nos | 3,839.80 | 1,044.00 | 4,008,751 |
| | **26. MISCELLANEOUS** | | | | | |
| 37 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 16,075.57 | 12.55 | 201,748 |
| 38 | | Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects: -c) 5" i/d (125 mm) | Rft | 96.00 | 717.85 | 68,914 |
| **Non-schedule items** | | | | | | |
| 1 | NS-1 | Providing and fixing pre fabricated PVC panels doors 1-1/2" thick with chowkhat (made by Pamo) complete in all respects with all accessories i/c door Lock, latch, tower bolts, hinges and related hardwares etc. | P.Sft | 40.00 | 2,565.00 | 102,600 |
| 2 | NS-2 | Providing & Fixing of Sand which Panel with insulation complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 9,935.00 | 742.50 | 7,376,738 |
| 3 | NS-3 | Providing & Fixing of PVC Panel with insulation ceilling Area complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 9,935.00 | 776.25 | 7,712,044 |
| 4 | NS-4 | Providing & Fixing of Thatch with insulation Roof Area complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 9,935.00 | | - |
| 5 | NS-5 | Providening & fixing of Wooden Planks complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 9,935.00 | 965.00 | 9,587,275 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 6 | NS-6 | Providing and laying floor of Terracotta tiles 12"x12"x1" thick of approved quality and shade laid in Grey cement and pigment over 3/4" bedding of cement sand mortar 1:2, incluidng finishing and complete. | P.Sft | 5,596.57 | 1,350.00 | 7,555,370 |
| 7 | NS-7 | Providing and laying floor skirting of Terracotta tiles 12"x6"x1" thick of approved quality and shade laid in Grey cement and pigment over 3/4" bedding of cement sand mortar 1:2, incluidng finishing and complete. | P.Sft | 193.25 | 1,200.00 | 231,900 |
| 8 | NS-8 | Providing and fixing on wall Planks size 8'x2"x1-1/2" with horizontal rows 3' center to center fixed including nails and screws, bolts complete in all respects as per drawings and as directed by the Engineer incharge. incharge. | P.Sft | 19,199.00 | 1,620.00 | 31,102,380 |
| | NS-9 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel | P.Sft | 1650 | 2150 | 3,547,500 |
| | NS-10 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing. | P.Sft | 1650 | 400 | 660,000 |
| | NS-11 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 1650 | 450 | 742,500 |
| | - | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | **-** | **-** | 20,000,000 |
| | | **ESTIMATED AMOUNT POST FOR NON SCHEFULE AND POST DESIGN** | | | | 1,473,069 |
| | | | | | **Total Non-Schedule items** | **144,810,000** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | | |
| **INFORMATION CENTER** | | | | | | | | |
| **MEASURMENT SHEETS** | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | | 16 | 8.50 | 10.50 | 3.00 | 4,284.00 | |
| | F-2 | | 4 | 5.50 | 5.50 | 3.00 | 363.00 | |
| | F-3 | | 4 | 5.25 | 5.25 | 3.00 | 330.75 | |
| | Section A-A | | 2 | 62.00 | 3.50 | 3.00 | 1,302.00 | |
| | Section B-B | | 2 | 141.25 | 3.00 | 3.00 | 2,542.50 | |
| | Toe Wall Left & Right Side | | 2 | 65.75 | 2.00 | 1.00 | 263.00 | |
| | Toe Wall Front & Rear Side | | 2 | 53.00 | 2.00 | 1.00 | 212.00 | |
| | Planter | | 4 | 20.00 | 2.00 | 1.00 | 160.00 | |
| | Plinth Protection | | | | | | - | |
| | Out Side | | 1 | 416.00 | 1.13 | 1.00 | 468.00 | |
| | | | | | | **Total:** | **9,925.25** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 0.4 | 9,925.25 | | | **3,970.10** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Hall | | 1 | 108.84 | 27.50 | 3.50 | 10,475.85 | |
| | Hall | | 1 | 52.84 | 20.50 | 3.50 | 3,791.27 | |
| | Duck Area | | 2 | 25.50 | 13.75 | 3.50 | 2,454.38 | |
| | Ticketing Room | | 2 | 28.00 | 12.00 | 3.50 | 2,352.00 | |
| | Bath | | 2 | 10.50 | 7.00 | 3.50 | 514.50 | |
| | Storage | | 2 | 10.50 | 7.00 | 3.50 | 514.50 | |
| | Planter | | 4 | 20.00 | 2.00 | 2.50 | 400.00 | |
| | Ramp | | 4 | 24.00 | 6.00 | 1.00 | 576.00 | |
| | | | -0.6 | 9,925.25 | | | (5,955.15) | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total:** | **15,123.35** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | F-1 | | 16 | 8.50 | 10.50 | 0.25 | 357.00 | |
| | F-2 | | 4 | 5.50 | 5.50 | 0.25 | 30.25 | |
| | F-3 | | 4 | 5.25 | 5.25 | 0.25 | 27.56 | |
| | Section A-A | | 2 | 65.00 | 3.50 | 0.25 | 113.75 | |
| | Section B-B | | 2 | 124.91 | 3.00 | 0.25 | 187.37 | |
| | Toe Wall | | 2 | 38.00 | 2.00 | 0.25 | 38.00 | |
| | Toe Wall | | 2 | 53.00 | 2.00 | 0.25 | 53.00 | |
| | Planter | | 4 | 20.00 | 2.00 | 0.25 | 40.00 | |
| | | | | | | **Total:** | **846.93** | Cft |
| i | **Ground Floor** | | | | | | | |
| | Hall | | 1 | 108.84 | 27.50 | 0.33 | 987.72 | |
| | Hall | | 1 | 52.84 | 20.50 | 0.33 | 357.46 | |
| | Duck Area | | 2 | 25.50 | 13.75 | 0.33 | 231.41 | |
| | Ticketing Room | | 2 | 28.00 | 12.00 | 0.33 | 221.76 | |
| | Bath | | 2 | 10.50 | 7.00 | 0.33 | 48.51 | |
| | Storage | | 2 | 10.50 | 7.00 | 0.33 | 48.51 | |
| | Ramp | | 4 | 24.00 | 6.00 | 0.33 | 190.08 | |
| | | | | | | **Total:** | **2,085.46** | Cft |
| 5 | **Brick or Stone Ballast 1½ " to 2" (40 mm to 50 mm in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 416.00 | 1.13 | 0.25 | 117.00 | |
| | | | | | | **Total:** | **117.00** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | |
| | **INFORMATION CENTER** | | | | | | | |
| | **MEASURMENT SHEETS** | | | | | | | |
| | **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| | Hall | | 1 | 108.84 | 27.50 | 0.17 | 508.83 | |
| | Hall | | 1 | 52.84 | 20.50 | 0.17 | 184.15 | |
| | Duck Area | | 2 | 25.50 | 13.75 | 0.17 | 119.21 | |
| | Ticketing Room | | 2 | 28.00 | 12.00 | 0.17 | 114.24 | |
| | Bath | | 2 | 10.50 | 7.00 | 0.17 | 24.99 | |
| | Storage | | 2 | 10.50 | 7.00 | 0.17 | 24.99 | |
| | Ramp | | 4 | 24.00 | 6.00 | 0.17 | 97.92 | |
| | | | | | | **Total:** | **1,074.33** | Cft |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | 65% | 16 | 8.50 | 10.50 | 2.00 | 1,856.40 | |
| | F-2 | 65% | 4 | 5.50 | 5.50 | 2.00 | 157.30 | |
| | F-3 | 65% | 4 | 5.25 | 5.25 | 2.00 | 143.33 | |
| | Section A-A | 65% | 2 | 62.00 | 3.50 | 2.00 | 564.20 | |
| | Section B-B | 65% | 2 | 141.25 | 3.00 | 2.00 | 1,101.75 | |
| | Toe Wall Left & Right Side | 65% | 2 | 65.75 | 2.00 | 2.00 | 341.90 | |
| | Toe Wall Front & Rear Side | 65% | 2 | 53.00 | 2.00 | 2.00 | 275.60 | |
| | | | | | | **Total:** | **4,440.48** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | 35% | 16 | 8.50 | 10.50 | 2.00 | 999.60 | |
| | F-2 | 35% | 4 | 5.50 | 5.50 | 2.00 | 84.70 | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | | |
| **INFORMATION CENTER** | | | | | | | | |
| **MEASURMENT SHEETS** | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| | F-3 | 35% | 4 | 5.25 | 5.25 | 2.00 | 77.18 | |
| | Section A-A | 35% | 2 | 62.00 | 3.50 | 2.00 | 303.80 | |
| | Section B-B | 35% | 2 | 141.25 | 3.00 | 2.00 | 593.25 | |
| | Toe Wall Left & Right Side | 35% | 2 | 65.75 | 2.00 | 2.00 | 184.10 | |
| | Toe Wall Front & Rear Side | 35% | 2 | 53.00 | 2.00 | 2.00 | 148.40 | |
| | | | | | | **Total:** | **2,391.03** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | F-1 | | 16 | 8.00 | 8.00 | 1.25 | 1,280.00 | |
| | F-2 | | 4 | 5.00 | 5.00 | 1.00 | 100.00 | |
| | F-3 | | 4 | 5.00 | 5.00 | 1.00 | 100.00 | |
| | Section A-A | | 2 | 65.00 | 3.00 | 0.33 | 128.70 | |
| | Section B-B | | 2 | 124.91 | 2.50 | 0.33 | 206.10 | |
| | | | | | | **Total:** | **1,814.80** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1,C2 | | 20 | 3.00 | 2.50 | 5.00 | 750.00 | |
| | C-3 | | 4 | 3.00 | 2.50 | 5.00 | 150.00 | |
| ii | **Plinth Bemas** | | | | | | | |
| | | | 2 | 103.50 | 1.50 | 1.75 | 543.38 | |
| iii | **Ground Floor Door Window Lintel** | | | | | | | |
| | D-2 | | 2 | 5.00 | 0.75 | 0.75 | 5.63 | |
| | D-3 | | 2 | 4.00 | 0.75 | 0.75 | 4.50 | |
| | D-3 | | 2 | 4.00 | 0.75 | 0.75 | 4.50 | |
| | W-1 | | 10 | 5.50 | 0.75 | 0.75 | 30.94 | |
| | W-2 | | 2 | 5.50 | 0.75 | 0.75 | 6.19 | |
| iv | **RCC in roof slab,** | | | | | | | |
| | Vanity shelf | | 2 | 4.00 | 2.00 | 0.25 | 4.00 | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **1,499.13** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,814.80 | 2.75 | Per Cft | 4,990.70 | |
| | Superstructural | | 1 | 1,499.13 | 3.25 | Per Cft | 4,872.16 | |
| | | | | | | **Total** | **9,862.86** | Kg |
| 12 | **Horizontal DPC** | | | | | | | |
| | Section B-B | | 2 | 79.00 | 0.75 | | 118.50 | |
| | Toe Wall | | 2 | 45.00 | 0.75 | | 67.50 | |
| | Toe Wall | | 2 | 53.00 | 0.75 | | 79.50 | |
| | | | | | | **Total:** | **265.50** | Sft |
| 13 | **Vertical DPC** | | | | | | | |
| | Section B-B | | 2 | 79.00 | | 1.50 | 237.00 | |
| | Toe Wall | | 2 | 45.00 | | 1.50 | 135.00 | |
| | Toe Wall | | 2 | 53.00 | | 1.50 | 159.00 | |
| | | | | | | **Total:** | **531.00** | Sft |
| 14 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Section A-A | | 2 | 103.50 | 2.25 | 0.50 | 232.88 | |
| | Section B-B | | 2 | 141.25 | 1.88 | 0.50 | 265.55 | |
| | Toe Wall | | 2 | 45.00 | 1.13 | 0.50 | 50.63 | |
| | Toe Wall | | 2 | 53.00 | 1.13 | 0.50 | 59.63 | |
| | Planter | | 4 | 20.00 | 1.13 | 0.50 | 45.00 | |
| | **2nd Steps** | | | | | | | |
| | Section A-A | | 2 | 103.50 | 1.88 | 0.50 | 194.06 | |
| | Section B-B | | 2 | 141.25 | 1.50 | 0.50 | 211.88 | |
| | Toe Wall | | 2 | 45.00 | 0.75 | 2.00 | 135.00 | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | | |
| **INFORMATION CENTER** | | | | | | | | |
| **MEASURMENT SHEETS** | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| | Toe Wall | | 2 | 53.00 | 0.75 | 2.00 | 159.00 | |
| | Planter | | 4 | 20.00 | 0.75 | 2.00 | 120.00 | |
| | **3rd Steps** | | | | | | | |
| | Section A-A | | 2 | 103.50 | 1.50 | 3.50 | 1,086.75 | |
| | Section B-B | | 2 | 141.25 | 1.13 | 0.50 | 158.91 | |
| | **4th Steps** | | | | | | | |
| | Section B-B | | 2 | 141.25 | 0.75 | 4.75 | 1,006.41 | |
| | Entrance Steps | | | | | | | |
| | 1st Steps | | 2 | 47.00 | 3.00 | 0.50 | 141.00 | |
| | 2nd Steps | | 2 | 47.00 | 2.00 | 0.50 | 94.00 | |
| | 3rd steps | | 2 | 47.00 | 1.00 | 0.50 | 47.00 | |
| | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 416.00 | 1.13 | 0.50 | 234.00 | |
| | Out Side | | 1 | 416.00 | 0.75 | 2.25 | 702.00 | |
| | | | | | | **Total:** | **4,943.68** | Cft |
| 15 | **Brick masonry in super structure** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Section A-A | | 2 | 103.50 | 1.50 | 12.00 | 3,726.00 | |
| | Section B-B | | 2 | 141.25 | 0.75 | 12.00 | 2,542.50 | |
| | Planter | | 4 | 43.00 | 0.38 | 3.00 | 193.50 | |
| | Deduction of Door & Window | | | | | | | |
| | D-2 | | -2 | 3.50 | 0.75 | 8.00 | (42.00) | |
| | D-3 | | -2 | 2.50 | 0.75 | 8.00 | (30.00) | |
| | D-4 | | -2 | 2.50 | 0.75 | 8.00 | (30.00) | |
| | W-1 | | -10 | 4.00 | 0.75 | 4.50 | (135.00) | |
| | W-2 | | -2 | 4.00 | 0.75 | 4.00 | (24.00) | |
| | | | | | | **Total:** | **6,201.00** | Cft |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 16 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Hall | | 1 | 108.84 | 27.50 | 0.33 | 987.72 | |
| | Hall | | 1 | 52.84 | 20.50 | 0.33 | 357.46 | |
| | Duck Area | | 2 | 25.50 | 13.75 | 0.33 | 231.41 | |
| | Ticketing Room | | 2 | 28.00 | 12.00 | 0.33 | 221.76 | |
| | Bath | | 2 | 10.50 | 7.00 | 0.33 | 48.51 | |
| | Storage | | 2 | 10.50 | 7.00 | 0.33 | 48.51 | |
| | | | | | | **Total:** | **1,895.38** | **Cft** |
| 17 | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 416.00 | 3.00 | | 1,248.00 | |
| | | | | | | **Total:** | **1,248.00** | **Sft** |
| 18 | **Mozaic flooring** | | | | | | | |
| | Planter | | 4 | 20.00 | 1.50 | | 120.00 | |
| | Planter | | 4 | 44.00 | 0.38 | | 66.00 | |
| | Planter walls | | 8 | 20.00 | | 3.00 | 480.00 | |
| | | | 8 | 2.00 | | 3.00 | 48.00 | |
| | | | | | | **Total:** | **714.00** | Sft |
| 19 | **Superb Quality Ceramic tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Bath | | 2 | 10.50 | 7.00 | | 147.00 | |
| | | | | | | **Total** | **147.00** | Sft |
| 20 | **Wall skirting/dado** | | | | | | | |
| | Bath | | 4 | 10.50 | | 7.00 | 294.00 | |
| | | | 4 | 7.00 | | 7.00 | 196.00 | |
| | Deduction of Door & Window | | | | | | | |
| | D-4 | | -2 | 2.50 | | 7.00 | (35.00) | |
| | W-2 | | -4 | 4.00 | | 3.00 | (48.00) | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **407.00** | Sft |
| 21 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | 1st Treads | | 2 | 53.00 | 1.00 | | 106.00 | |
| | 2nd Treads | | 2 | 49.00 | 1.00 | | 98.00 | |
| | 1st Riser | | 2 | 53.00 | | 0.50 | 53.00 | |
| | 2nd Riser | | 2 | 49.00 | | 0.50 | 49.00 | |
| | 3rd Riser | | 2 | 45.00 | | 0.50 | 45.00 | |
| | Ramp | | 4 | 24.00 | 6.00 | | 576.00 | |
| | **Window Sills** | | | | | | | |
| | W-1 | | 10 | 4.00 | 1.00 | | 40.00 | |
| | W-2 | | 2 | 4.00 | 1.00 | | 8.00 | |
| | Vanity shelf | | 1 | 4.00 | 2.00 | | 8.00 | |
| | | | | | | **Total** | **983.00** | Sft |
| 22 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Hall | | 2 | 121.00 | | 12.00 | 2,904.00 | |
| | | | 2 | 27.50 | | 12.00 | 660.00 | |
| | Hall | | 2 | 52.00 | | 12.00 | 1,248.00 | |
| | Hall | | 2 | 29.50 | | 12.00 | 708.00 | |
| | | | 2 | 20.50 | | 12.00 | 492.00 | |
| | Ticketing Room | | 4 | 28.00 | | 12.00 | 1,344.00 | |
| | | | 4 | 12.00 | | 12.00 | 576.00 | |
| | Storage | | 2 | 10.50 | | 12.00 | 252.00 | |
| | | | 2 | 10.50 | | 12.00 | 252.00 | |
| | | | 4 | 7.00 | | 12.00 | 336.00 | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | | |
| **INFORMATION CENTER** | | | | | | | | |
| **MEASURMENT SHEETS** | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| | Bath | | 2 | 10.50 | | 12.00 | 252.00 | |
| | | | 2 | 10.50 | | 12.00 | 252.00 | |
| | | | 4 | 7.00 | | 12.00 | 336.00 | |
| | Deduction of Door & Window | | | | | | | |
| | D-2 | | -2 | 3.50 | | 8.00 | (56.00) | |
| | D-3 | | -2 | 2.50 | | 8.00 | (40.00) | |
| | D-4 | | -2 | 2.50 | | 8.00 | (40.00) | |
| | W-1 | | -10 | 4.00 | | 4.50 | (180.00) | |
| | W-2 | | -2 | 4.00 | | 4.00 | (32.00) | |
| | | | | | | **Total** | **9,264.00** | Sft |
| 23 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | Hall | | 2 | 121.00 | | 12.00 | 2,904.00 | |
| | | | 2 | 68.00 | | 12.00 | 1,632.00 | |
| | | | | | | **Total** | **4,536.00** | Sft |
| 24 | **M.S chowkat Double Leaf** | | | | | | | |
| ii | **Double Leaf** | | | | | | | |
| | D-2 | | 2 | 3.50 | | 8.00 | 56.00 | |
| | | | | | | **Total** | **56.00** | Sft |
| 25 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-2 | | 2 | 3.50 | | 8.00 | 56.00 | |
| | | | | | | **Total** | **56.00** | Sft |
| 26 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | |
| | **INFORMATION CENTER** | | | | | | | |
| | **MEASURMENT SHEETS** | | | | | | | |
| | **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| | | | | | | **Total** | **2.00** | **No** |
| 27 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 28 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 4,536.00 | |
| | | | | | | **Total** | **4,536.00** | Sft |
| 29 | **Aluminium Glazed Door/Wall** | | | | | **avg** | | |
| | Front side | | 2 | 25.50 | | 16.50 | 841.50 | |
| | Back side | | 2 | 25.50 | | 16.50 | 841.50 | |
| | Left & Right Side | | 2 | 27.50 | | 16.50 | 907.50 | |
| | | | | | | **Total** | **2,590.50** | Sft |
| 30 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 10 | 4.00 | | 4.50 | 180.00 | |
| | W-2 | | 2 | 4.00 | | 4.00 | 32.00 | |
| | W-3 | | 16 | 4.00 | | 10.00 | 640.00 | |
| | W-4 | | 16 | 5.00 | | 9.25 | 740.00 | |
| | W-5 | | 16 | 5.00 | | 11.75 | 940.00 | |
| | | | | | | **Total** | **2,532.00** | Sft |
| 31 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 2,532.00 | 0.50 | | 1,266.00 | |
| | | | | | | **Total** | **1,266.00** | Sft |
| 32 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 2,532.00 | | | 2,532.00 | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | |
| | **INFORMATION CENTER** | | | | | | | |
| | **MEASURMENT SHEETS** | | | | | | | |
| | **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| | | | | | | **Total** | **2,532.00** | Sft |
| 33 | **Corrugated galvanized iron sheets** | | | | | | | |
| i | Sheet Area | | 4 | 46.25 | 30.00 | | 5,550.00 | |
| | Sheet Area | | 2 | 28.50 | 6.00 | | 342.00 | |
| | Sheet Area deck side | | 4 | 35.50 | 16.00 | | 2,272.00 | |
| | Sheet Area Canopy | | 4 | 30.00 | 16.00 | | 1,920.00 | |
| | Gutter | | 2 | 118.00 | 4.25 | | 1,003.00 | |
| | Canopy deduction | | -2 | 24.00 | 24.00 | | (1,152.00) | |
| | | | | | | **Total** | **9,935.00** | Sft |
| 34 | **Fabrication of heavy steel work** | | | | | | | |
| | MS Rafter center side | 16 | 1 | 30.00 | 0.025 | 1.48 | 17.72 | Cft |
| | MS Rafter Top & Bottom side | 16 | 2 | 30.00 | 0.50 | 0.035 | 16.96 | Cft |
| | MS Rafter Deck side | 12 | 1 | 16.00 | 0.025 | 1.48 | 7.09 | Cft |
| | MS Rafter Top & Bottom side | 12 | 2 | 16.00 | 0.50 | 0.035 | 6.79 | Cft |
| | Channel Purlin center side | 4 | 1 | 121.00 | 0.666 | 0.02 | 5.92 | Cft |
| | Channel Purlin top & bottom side | 4 | 2 | 121.00 | 0.19 | 0.032 | 5.88 | Cft |
| | Channel Purlin center side | 22 | 1 | 46.25 | 0.666 | 0.02 | 12.45 | Cft |
| | Channel Purlin top & bottom side | 22 | 2 | 46.25 | 0.19 | 0.032 | 12.36 | Cft |
| | Channel Purlin center Deck Area | 8 | 2 | 35.00 | 0.666 | 0.02 | 6.85 | Cft |
| | Channel Purlin top & bottom side hight | 16 | 2 | 35.00 | 0.19 | 0.032 | 6.80 | Cft |
| | M.S Base plate 2.67'*/2.16' , 1.5 inch thick C-1 | 2 | 16 | 2.67 | 2.16 | 0.13 | 23.07 | Cft |
| | M.S Base plate 2.16'*1.67', 1.5 inch thick C2 | 2 | 4 | 2.16 | 1.67 | 0.13 | 3.61 | Cft |
| | M.S Base plate 1.16'*1.67', 1 inch hick C-3 | 2 | 4 | 1.67 | 1.16 | 0.08 | 1.29 | Cft |
| | Columns 18*35 size | 1 | 16 | 8.00 | 0.025 | 1.48 | 4.72 | Cft |
| | Columns sides | 2 | 16 | 8.00 | 0.50 | 0.035 | 4.52 | Cft |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Columns 18*35 size | 1 | 4 | 14.00 | 0.025 | 1.48 | 2.07 | Cft |
| | Columns sides | 2 | 4 | 14.00 | 0.50 | 0.035 | 1.98 | Cft |
| | Columns 12*40 size | 1 | 4 | 14.00 | 0.025 | 0.99 | 1.36 | Cft |
| | Columns sides | 2 | 4 | 14.00 | 0.67 | 0.043 | 3.21 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C S- Sec | 2 | 27.25 | 38.00 | 0.25 | 0.0208 | 10.79 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Long Sec | 1 | 15 | 117.00 | 0.25 | 0.0208 | 9.14 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Deck Area | 1 | 4.375 | 26.75 | 0.25 | 0.0208 | 0.61 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Deck Area | 1 | 9 | 13.50 | 0.25 | 0.0208 | 0.63 | Cft |
| | Canopy Ms pipe | 2 | 16 | 14.00 | 2.00 | 0.0208 | 18.67 | Cft |
| | Mumty uper Beams | 2 | 4 | 24.00 | 2.00 | 0.0208 | 8.00 | Cft |
| | Mumty Bottom Beams | 2 | 2 | 24.00 | 2.00 | 0.0208 | 4.00 | Cft |
| | walls | | | | | | | |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C in walls | 3 | 2 | 121.00 | 0.25 | 0.0208 | 3.78 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @3"*6' 1/8" C/C in walls | 1 | 2 | 121.00 | 0.08 | 0.0104 | 0.21 | Cft |
| | | | | | | **Total** | **200.49** | Cft |
| | | | | **200.49** | Lbs Per cft | **490.00** | **98,240.17** | Lbs |
| | | | | | | **Total** | **44,573.58** | Kg |
| | **Plain Rowel Bolt in Columns** | **1** | 24 | 6.00 | | 3.50 | 504.00 | Rft |
| | unit weight 1 inch dia | | | 504.00 | Kg Per Rft weight | 0.68 | 343.01 | Kg |
| | | | | | | **Total** | **343.01** | Kg |
| | | | | | | **Total** | **44,916.59** | Kg |
| 35 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 9,935.00 | | | 19,870.00 | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | |
| | **INFORMATION CENTER** | | | | | | | |
| | **MEASURMENT SHEETS** | | | | | | | |
| | **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 9935.00 | |
| | | | | | | **Total** | **29,805.00** | Sft |
| 36 | **Bamboo** | | | | | | | |
| | ceilling Area | | | 9,935.00 | | | 9,935.00 | |
| | Internal Wall | | | 9,264.00 | | | 9,264.00 | |
| | | | | | | **Total** | **19,199.00** | Sft |
| | | | | | Per Sft | **0.20** | **3,839.80** | Nos. |
| 37 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | F-1 | | 16 | 8.50 | 10.50 | | 1,428.00 | |
| | F-2 | | 4 | 5.50 | 5.50 | | 121.00 | |
| | F-3 | | 4 | 5.25 | 5.25 | | 110.25 | |
| | Section A-A | | 2 | 62.50 | 3.50 | | 437.50 | |
| | Section B-B | | 2 | 141.25 | 3.00 | | 847.50 | |
| | Toe Wall | | 2 | 38.00 | 2.00 | | 152.00 | |
| | Toe Wall | | 2 | 53.00 | 2.00 | | 212.00 | |
| | Planter | | 4 | 20.00 | 2.00 | | 160.00 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 416.00 | 1.13 | | 468.00 | |
| | **sides** | | | | | | | |
| | F-1 | | 32 | 8.50 | | 3.00 | 816.00 | |
| | | | 32 | 10.50 | | 3.00 | 1,008.00 | |
| | F-2 | | 16 | 5.50 | | 3.00 | 264.00 | |
| | F-3 | | 4 | 5.25 | 5.25 | 3.00 | 330.75 | |
| | Section A-A | | 4 | 62.50 | | 3.00 | 750.00 | |
| | Section B-B | | 4 | 141.25 | | 3.00 | 1,695.00 | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | | |
| **INFORMATION CENTER** | | | | | | | | |
| **MEASURMENT SHEETS** | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| | Toe Wall | | 4 | 38.00 | | 1.00 | 152.00 | |
| | Toe Wall | | 4 | 53.00 | | 1.00 | 212.00 | |
| | Planter | | 4 | 44.00 | | 1.00 | 176.00 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 2 | 416.00 | | 1.00 | 832.00 | |
| | **Under Floor** | | | | | | | |
| | Hall | | 1 | 108.84 | 27.50 | | 2,993.10 | |
| | Hall | | 1 | 52.84 | 20.50 | | 1,083.22 | |
| | Duck Area | | 2 | 25.50 | 13.75 | | 701.25 | |
| | Ticketing Room | | 2 | 28.00 | 12.00 | | 672.00 | |
| | Bath | | 2 | 10.50 | 7.00 | | 147.00 | |
| | Storage | | 2 | 10.50 | 7.00 | | 147.00 | |
| | Planter | | 4 | 20.00 | 2.00 | | 160.00 | |
| | | | | | | **Total:** | **16,075.57** | **Sft** |
| 38 | **PVC Rain water Pipe 4'' Dia** | | 8 | 12.00 | | | 96.00 | |
| | | | | | | **Total:** | **96.00** | **Rft** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | | |
| **INFORMATION CENTER** | | | | | | | | |
| **MEASURMENT SHEETS** | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| **Non-schedule items** | | | | | | | | |
| NS-1 | **UPVC Panel Door** | | | | | | | |
| | D-4 | | 2 | 2.50 | | 8.00 | 40.00 | |
| | | | | | | **Total** | **40.00** | Sft |
| NS-2 | **Sand which Panel with insulation** | | | | | | | |
| | Sheet Area | | | 9,935.00 | | | 9,935.00 | |
| | | | | | | **Total** | **9,935.00** | Sft |
| NS-3 | **PVC Panel with insulation** | | | | | | | |
| | ceilling Area | | | 9,935.00 | | | 9,935.00 | |
| | | | | | | **Total** | **9,935.00** | Sft |
| NS-4 | **Thatch with insulation** | | | | | | | |
| | Roof Area | | | 9,935.00 | | | 9,935.00 | |
| | | | | | | **Total** | **9,935.00** | Sft |
| | | | | | | | | |
| NS-5 | **Wooden Plank 3/4" thick** | | | | | | | |
| | Roof | | 1 | 9,935.00 | Area | | 9935.00 | |
| | | | | | | | | |
| | | | | | | **Total** | **9,935.00** | Sft |
| NS-6 | **Terracotta Tiles** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Hall | | 1 | 108.84 | 27.50 | | 2,993.10 | |
| | Hall | | 1 | 52.84 | 20.50 | | 1,083.22 | |
| | Duck Area | | 2 | 25.50 | 13.75 | | 701.25 | |
| | Ticketing Room | | 2 | 28.00 | 12.00 | | 672.00 | |
| | Storage | | 2 | 10.50 | 7.00 | | 147.00 | |
| | | | | | | **Total** | **5,596.57** | Sft |
| NS-7 | **Wall skirting** | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | | |
| **INFORMATION CENTER** | | | | | | | | |
| **MEASURMENT SHEETS** | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| | Hall | | 2 | 57.75 | | 0.50 | 57.75 | |
| | | | 2 | 20.50 | | 0.50 | 20.50 | |
| | Ticketing Room | | 4 | 28.00 | | 0.50 | 56.00 | |
| | | | 4 | 12.00 | | 0.50 | 24.00 | |
| | Storage | | 4 | 10.50 | | 0.50 | 21.00 | |
| | | | 4 | 7.00 | | 0.50 | 14.00 | |
| | | | | | | **Total** | **193.25** | Sft |
| NS-8 | **wall Planks** | | | | | | | |
| | ceilling Area | | | 9,935.00 | | | 9,935.00 | |
| | Internal Wall | | | 9,264.00 | | | 9,264.00 | |
| | | | | | | **Total** | **19,199.00** | Sft |

**23 Providing and laying floor of Terracotta tiles 12"x12"x1" thick of approved quality and shade laid in Grey cement and pigment over 3/4" bedding of cement sand mortar 1:2, incluidng finishing and complete.**

| Detail | Unit Rate Per 100 Sft. | | | | |
|---|---|---|---|---|---|
| | Qty | | Rate Per Unit (Rs.) | | Amount (Rs.) |
| **MATERIAL** | | | | | |
| 1 Terracotta tiles 12"x12"x1" | 105 | Nos. | 649.00 | Each | 68,145.00 |
| 2 Cement Grey | 1.69 | Bags | 1360.00 | Per Bag | 2,298.40 |
| 3 Sand | 4.00 | Cft. | 2900.00 | Per 100 Cft. | 116.00 |
| 4 Pigment | 1.00 Lbs (0.45 Kg.) | | 225.00 | Per Kg. | 101.25 |
| 5 Grey Cement | 0.08 | Bag | 1360.00 | Per Bag | 108.80 |
| Total | | | | | **70,769.45** |
| Contractor's 20 Percent | | | | | 14,153.89 |
| Total | | | | | **84,923.34** |
| **LABOUR** | | | | | |
| Mason | 1.84 | No. | 18000.00 | Per day | 33,120.00 |
| Cooly | 2.80 | No. | 1425.00 | Per day | 3,990.00 |
| Bahishti | 0.34 | Nos. | 1440.00 | Per day | 489.60 |
| Total | | | | | **37,599.60** |
| Sundries 10 Percent | | | | | 3,759.96 |
| Total | | | | | **41359.56** |
| Contractor's 20 Percent | | | | | 8,271.91 |
| Total | | | | | **49631.47** |
| **ITEM RATE** | | | | | |
| Labour Rate Per 100 Sft. | Rs. | | 49,631.47 | Say | **49630.00** |
| Labour Rate Per Sqm. | Rs. | | 4,612.59 | Say | **4612.00** |
| Composite Rate per 100 Sft. | Rs. | | 134,554.81 | Say | **134580.00** |
| Composite Rate per Sqm. | Rs. | | 12,505.09 | Say | **5080.00** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**
**RESEARCH CENTER**
**SUMMARY OF COST**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **Schedule items** | | | |
| 1 | CIVIL WORK | 74,010,000 | |
| 2 | PLUMBING WORK | | |
| 3 | ELECTRICAL WORK | | |
| | **Grand.Total** | **74,010,000** | **74,010,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual. ii) in ordinary soil. | P.Cft | 21,466.49 | 15.82 | 339,600 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 8,586.60 | 7.54 | 64,743 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 4,020.66 | 16.02 | 64,411 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 622.25 | 375.16 | 233,443 |
| | | Ground Floor | P.Cft | 1,593.48 | 375.16 | 597,810 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 1,593.48 | 124.41 | 198,245 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 820.88 | 497.23 | 408,168 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 6,503.03 | 100.03 | 650,498 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 3,501.63 | 41.07 | 143,812 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,379.21 | 694.70 | 958,139 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 2,179.92 | 841.70 | 1,834,840 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 10,877.58 | 303.10 | 3,296,995 |
| 12 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 231.56 | 133.62 | 30,941 |
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 132.00 | 81.96 | 10,819 |
| | **7. BRICK WORK** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 3,330.45 | 370.56 | 1,234,133 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 2,673.75 | 392.61 | 1,049,741 |
| | **10. FLOORING** | | | | | |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,593.48 | 41.07 | 65,444 |
| 17 | 10/16 i | Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (i) 3"(75 mm) thick | P.Sft | 798.00 | 166.54 | 132,899 |
| 18 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.**( Wooden Texture Tile)** | | | | |
| | | a) Full body Glazed tiles (iii) 600mmx 600 mm | P.Sft | 4,304.56 | 450.10 | 1,937,481 |
| 19 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. **( Wooden Texture Tile)** | | | | |
| | | a) Full body Glazed tiles (iii) 600mmx 600 mm | P.Sft | 220.50 | 451.50 | 99,556 |
| 20 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 524.17 | 312.65 | 163,883 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 21 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 2,300.32 | 384.70 | 884,933 |
| 22 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 321.25 | 1,233.15 | 396,149 |
| | **11. SURFACE RENDERING** | | | | | |
| 23 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 6,099.37 | 46.18 | 281,669 |
| 24 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,545.00 | 62.00 | 95,790 |
| 25 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 6,099.37 | 3.93 | 23,971 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 6,099.37 | 8.76 | 53,430 |
| | | ii) two coats | P.Sft | 6,099.37 | 12.12 | 73,924 |
| | **12. WOOD WORK** | | | | | |
| 26 | 12/16 | Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: | | | | |
| | | a) single rebate | P.Sft | 24.00 | 467.55 | 11,221 |
| | | b) double rebate | P.Sft | 120.00 | 535.65 | 64,278 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 27 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 144.00 | 950.00 | 136,800 |
| 28 | 12/22 | Providing and fixing, approved quality mortice lock. | Each | 4.00 | 1,110.00 | 4,440 |
| 29 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 4.00 | 178.30 | 713 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 30 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,545.00 | 47.26 | 73,017 |
| | | **ii) 2nd coat** | P.Sft | 1,545.00 | 26.52 | 40,973 |
| | **25. IRON WORK** | | | | | |
| 31 | 25/57 | Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable or approved equivalent manufacturer, having 2 mm thick Frame size D48-A , i/c 12 mm Tempered glass with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardwareetc. completein all respect as approved and directed by the Engineer Incharge. (Floor hinge will be paid separately). (Door & Glass Wall) | P.Sft | 3,292.00 | 1,640.45 | 5,400,361 |
| 32 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 230.50 | 1,306.55 | 301,160 |
| 33 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 115.25 | 542.80 | 62,558 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 34 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 230.50 | 1,191.85 | 274,721 |
| 35 | 25/64 | Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge | P.Sft | 113.50 | 3,346.10 | 379,782 |
| 36 | 9/13 a | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- | | | | |
| | | 20 BWG | P.Sft | 2,841.00 | 481.97 | 1,369,277 |
| 37 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 23,977.26 | 388.93 | 9,325,476 |
| 38 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 8,523.00 | 11.91 | 101,509 |
| | | ii) each subsequent coat of paint. 2coat | P.Sft | 17,046.00 | 24.24 | 413,195 |
| | **26. MISCELLANEOUS** | | | | | |
| 39 | 26/45 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 11,601.23 | 12.55 | 145,595 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 40 | | Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects: -c) 5" i/d (125 mm) | Rft | 72.00 | 717.85 | 51,685 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | **Non-schedule items** | | | | |
| 1 | NS-1 | Providing and fixing pre fabricated PVC panels doors 1-1/2" thick with chowkhat (made by Pamo) complete in all respects with all accessories i/c door Lock, latch, tower bolts, hinges and related hardwares etc. | P.Sft | 188.00 | 2,565.00 | 482,220 |
| 2 | NS-2 | Providing & Fixing of Sand which Panel with insulation complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 5,081.00 | 742.50 | 3,772,643 |
| 3 | NS-3 | Providing & Fixing of Pvc Panel with sheet to pasted complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 5,097.00 | 1,926.25 | 9,818,096 |
| 4 | NS-4 | Providening & fixing of Wooden Cladding complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 3,947.00 | 1,100.00 | 4,341,700 |
| | NS-9 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as | P.Sft | 1650 | 2150 | 3,547,500 |
| | NS-10 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery | P.Sft | 1650 | 800 | 1,320,000 |
| | NS-11 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done | P.Sft | 1650 | 750 | 1,237,500 |
| | - | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | **-** | **-** | 15,000,000 |
| | | ESTIMATED AMOUNT POST FOR NON SCHEFULE AND POST DESIGN | | | | 1,008,110 |
| | | | | | **Grand Total** | **74,010,000** |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | | 10 | 10.50 | 12.50 | 5.00 | 6,562.50 | |
| | Section A-A | | 2 | 36.00 | 7.50 | 5.00 | 2,700.00 | |
| | Section B-B | | 1 | 44.00 | 7.00 | 5.00 | 1,540.00 | |
| | Section C-C | | 1 | 109.25 | 7.00 | 5.00 | 3,823.75 | |
| | Section D-D | | 1 | 43.50 | 7.00 | 5.00 | 1,522.50 | |
| | Toe Wall | | 1 | 68.00 | 6.00 | 3.00 | 1,224.00 | |
| | Plinth Protection | | | | | | - | |
| | Out Side | | 1 | 266.00 | 5.13 | 3.00 | 4,093.74 | |
| | | | | | | **Total:** | **21,466.49** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 40% | 21,466.49 | | | **8,586.60** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Research Hall | | 1 | 48.00 | 53.25 | 3.50 | 8,946.00 | |
| | Duck Area | | 1 | 48.00 | 12.00 | 3.50 | 2,016.00 | |
| | Office | | 3 | 11.00 | 10.00 | 3.50 | 1,155.00 | |
| | Office Area | | 2 | 6.00 | 10.00 | 3.50 | 420.00 | |
| | Kitchen | | 1 | 10.25 | 6.13 | 3.50 | 219.73 | |
| | Kitchen | | 1 | 8.00 | 18.13 | 3.50 | 507.50 | |
| | Store | | 1 | 10.25 | 11.25 | 3.50 | 403.59 | |
| | Male Toilet | | 1 | 8.00 | 18.13 | 3.50 | 507.50 | |
| | W.C | | 5 | 5.00 | 3.50 | 3.50 | 306.25 | |
| | Female Toilet | | 1 | 7.38 | 6.63 | 3.50 | 171.12 | |
| | W.C | | 2 | 3.50 | 5.00 | 3.50 | 122.50 | |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | 3.50 | 380.63 | |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | 3.50 | 152.99 | |
| | Stair Hall | | 1 | 23.63 | 19.25 | 3.50 | 1,591.73 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | -60% | 21,466.49 | | | (12,879.89) | |
| | | | | | | **Total:** | **4,020.66** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | F-1 | | 10 | 10.50 | 8.50 | 0.25 | 223.13 | |
| | F-2 | | 8 | 7.50 | 7.50 | 0.25 | 112.50 | |
| | F-3 | | 7 | 5.50 | 5.50 | 0.25 | 52.94 | |
| | Section A-A | | 2 | 36.00 | 3.50 | 0.25 | 63.00 | |
| | Section B-B | | 1 | 44.00 | 3.00 | 0.25 | 33.00 | |
| | Section C-C | | 1 | 109.25 | 3.00 | 0.25 | 81.94 | |
| | Section D-D | | 1 | 43.50 | 2.00 | 0.25 | 21.75 | |
| | Toe Wall | | 1 | 68.00 | 2.00 | 0.25 | 34.00 | |
| | | | | | | **Total:** | **622.25** | Cft |
| 5 | **Brick or Stone Ballast 1½ " to 2" (40 mm to 50 mm in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 266.00 | 5.13 | 0.25 | 341.15 | |
| | | | | | | **Total:** | **341.15** | Cft |
| 6 | **P.C.C 1:4:8** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Research Hall | | 1 | 48.00 | 53.25 | 0.33 | 843.48 | |
| | Duck Area | | 1 | 48.00 | 12.00 | 0.33 | 190.08 | |
| | Office | | 3 | 11.00 | 10.00 | 0.33 | 108.90 | |
| | Office Area | | 2 | 6.00 | 10.00 | 0.33 | 39.60 | |
| | Kitchen | | 1 | 10.25 | 6.13 | 0.33 | 20.72 | |
| | Kitchen | | 1 | 8.00 | 18.13 | 0.33 | 47.85 | |
| | Store | | 1 | 10.25 | 11.25 | 0.33 | 38.05 | |
| | Male Toilet | | 1 | 8.00 | 18.13 | 0.33 | 47.85 | |
| | W.C | | 5 | 5.00 | 3.50 | 0.33 | 28.88 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Female Toilet | | 1 | 7.38 | 6.63 | 0.33 | 16.13 | |
| | W.C | | 2 | 3.50 | 5.00 | 0.33 | 11.55 | |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | 0.33 | 35.89 | |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | 0.33 | 14.43 | |
| | Stair Hall | | 1 | 23.63 | 19.25 | 0.33 | 150.08 | |
| | | | | | | **Total:** | **1,593.48** | Cft |
| 7 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Research Hall | | 1 | 48.00 | 53.25 | 0.17 | 434.52 | |
| | Duck Area | | 1 | 48.00 | 12.00 | 0.17 | 97.92 | |
| | Office | | 3 | 11.00 | 10.00 | 0.17 | 56.10 | |
| | Office Area | | 2 | 6.00 | 10.00 | 0.17 | 20.40 | |
| | Kitchen | | 1 | 10.25 | 6.13 | 0.17 | 10.67 | |
| | Kitchen | | 1 | 8.00 | 18.13 | 0.17 | 24.65 | |
| | Store | | 1 | 10.25 | 11.25 | 0.17 | 19.60 | |
| | Male Toilet | | 1 | 8.00 | 18.13 | 0.17 | 24.65 | |
| | W.C | | 5 | 5.00 | 3.50 | 0.17 | 14.88 | |
| | Female Toilet | | 1 | 7.38 | 6.63 | 0.17 | 8.31 | |
| | W.C | | 2 | 3.50 | 5.00 | 0.17 | 5.95 | |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | 0.17 | 18.49 | |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | 0.17 | 7.43 | |
| | Stair Hall | | 1 | 23.63 | 19.25 | 0.17 | 77.31 | |
| | | | | | | **Total:** | **820.88** | Cft |
| 1 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | 65% | 10 | 10.50 | 12.50 | 2.00 | 1,706.25 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Section A-A | 65% | 2 | 36.00 | 7.50 | 2.00 | 702.00 | |
| | Section B-B | 65% | 1 | 44.00 | 7.00 | 2.00 | 400.40 | |
| | Section C-C | 65% | 1 | 109.25 | 7.00 | 2.00 | 994.18 | |
| | Section D-D | 65% | 1 | 43.50 | 7.00 | 2.00 | 395.85 | |
| | Toe Wall | 65% | 1 | 68.00 | 6.00 | 2.00 | 530.40 | |
| | Plinth Protection | | | | | | - | |
| | Out Side | 65% | 1 | 266.00 | 5.13 | 2.00 | 1,773.95 | |
| | | | | | | **Total:** | **6,503.03** | Cft |
| 1 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | 35% | 10 | 10.50 | 12.50 | 2.00 | 918.75 | |
| | Section A-A | 35% | 2 | 36.00 | 7.50 | 2.00 | 378.00 | |
| | Section B-B | 35% | 1 | 44.00 | 7.00 | 2.00 | 215.60 | |
| | Section C-C | 35% | 1 | 109.25 | 7.00 | 2.00 | 535.33 | |
| | Section D-D | 35% | 1 | 43.50 | 7.00 | 2.00 | 213.15 | |
| | Toe Wall | 35% | 1 | 68.00 | 6.00 | 2.00 | 285.60 | |
| | Plinth Protection | | | | | | - | |
| | Out Side | 35% | 1 | 266.00 | 5.13 | 2.00 | 955.21 | |
| | | | | | | **Total:** | **3,501.63** | Cft |
| 8 | **R.C.C. in Raft foundation** | | | | | | | |
| | F-1 | | 10 | 10.50 | 8.50 | 1.25 | 1,115.63 | |
| | Section A-A | | 2 | 36.00 | 3.50 | 0.33 | 83.16 | |
| | Section B-B | | 1 | 44.00 | 3.00 | 0.33 | 43.56 | |
| | Section C-C | | 1 | 109.25 | 3.00 | 0.33 | 108.16 | |
| | Section D-D | | 1 | 43.50 | 2.00 | 0.33 | 28.71 | |
| | | | | | | **Total:** | **1,379.21** | Cft |
| 9 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | C-1 | | 10 | 3.00 | 2.50 | 5.50 | 412.50 | |
| | C-2 | | 8 | 2.00 | 1.50 | 5.75 | 138.00 | |
| | C-3 | | 7 | 1.25 | 1.25 | 5.75 | 62.89 | |
| ii | **Plinth Bemas** | | | | | | | |
| | PB-1 | | 2 | 70.00 | 1.50 | 1.75 | 367.50 | |
| | PB-1 | | 2 | 45.00 | 1.50 | 1.75 | 236.25 | |
| | PB-1 | | 2 | 8.75 | 1.50 | 1.75 | 45.94 | |
| | PB-2 | | 7 | 6.00 | 1.25 | 1.50 | 78.75 | |
| iii | **Door Window Lintel** | | | | | | | |
| a | **Ground Floor** | | | | | | | |
| | D-2 | | 3 | 6.50 | 0.75 | 0.75 | 10.97 | |
| | D-3 | | 1 | 4.50 | 0.75 | 0.75 | 2.53 | |
| | D-4 | | 2 | 4.50 | 0.75 | 0.75 | 5.06 | |
| | D-5 | | 6 | 4.00 | 0.50 | 0.50 | 6.00 | |
| | D-6 | | 1 | 4.00 | 0.50 | 0.50 | 1.00 | |
| | D-7 | | 3 | 4.50 | 0.75 | 0.75 | 7.59 | |
| | W-1 | | 3 | 5.50 | 0.75 | 0.75 | 9.28 | |
| | W-2 | | 2 | 5.50 | 0.75 | 0.75 | 6.19 | |
| | W-3 | | 2 | 5.50 | 0.75 | 0.75 | 6.19 | |
| | W-5 | | 7 | 7.50 | 0.75 | 0.75 | 29.53 | |
| v | **RCC in roof slab,** | | | | | | | |
| | Slab Area RCC Screed | | 1 | 2,841.00 | Area | 0.25 | 710.25 | |
| | Vanity shelf | | 2 | 12.00 | 2.00 | 0.25 | 12.00 | |
| | Vanity shelf | | 2 | 7.38 | 2.00 | 0.25 | 7.38 | |
| | kitchen shelf | | 2 | 24.13 | 2.00 | 0.25 | 24.13 | |
| | | | | | | **Total** | **2,179.92** | Cft |
| 10 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,379.21 | 2.75 | Per Cft | 3,792.83 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Superstructural | | 1 | 2,179.92 | 3.25 | Per Cft | 7,084.75 | |
| | | | | | | **Total** | **10,877.58** | Kg |
| 11 | **Horizontal DPC** | | | | | | | |
| | Section B-B | 2 | 1 | 44.00 | 0.75 | | 66.00 | |
| | Section C-C | | 1 | 109.25 | 0.75 | | 81.94 | |
| | Section D-D | | 1 | 43.50 | 0.75 | | 32.63 | |
| | Toe Wall | | 1 | 68.00 | 0.75 | | 51.00 | |
| | | | | | | **Total:** | **231.56** | Sft |
| 12 | **Vertical DPC** | | | | | | | |
| | Section B-B | | 2 | 44.00 | | 1.50 | 132.00 | |
| | | | | | | **Total:** | **132.00** | Sft |
| 13 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Section A-A | | 2 | 52.50 | 2.25 | 0.50 | 118.13 | |
| | Section B-B | | 1 | 73.00 | 1.88 | 0.50 | 68.62 | |
| | Section C-C | | 1 | 127.25 | 1.88 | 0.50 | 119.62 | |
| | Section D-D | | 1 | 43.50 | 1.13 | 0.50 | 24.47 | |
| | Toe Wall | | 1 | 90.00 | 1.13 | 0.50 | 50.63 | |
| | **2nd Steps** | | | | | | | |
| | Section A-A | | 2 | 52.50 | 1.88 | 0.50 | 98.44 | |
| | Section B-B | | 1 | 73.00 | 1.50 | 0.50 | 54.75 | |
| | Section C-C | | 1 | 127.25 | 1.50 | 0.50 | 95.44 | |
| | Section D-D | | 1 | 43.50 | 0.75 | 4.75 | 154.97 | |
| | Toe Wall | | 1 | 90.00 | 0.75 | 2.25 | 151.88 | |
| | **3rd Steps** | | | | | | | |
| | Section A-A | | 2 | 52.50 | 1.50 | 3.75 | 590.63 | |
| | Section B-B | | 1 | 73.00 | 1.13 | 0.50 | 41.06 | |
| | Section C-C | | 1 | 127.25 | 1.13 | 0.50 | 71.58 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **4th Steps** | | | | | | | |
| | Section B-B | | 1 | 73.00 | 1.13 | 4.50 | 369.56 | |
| | Section C-C | | 1 | 127.25 | 1.13 | 4.50 | 644.20 | |
| | Entrance Steps | | | | | | | |
| | 1st Steps | | 1 | 26.00 | 3.00 | 0.50 | 39.00 | |
| | 2nd Steps | | 1 | 26.00 | 2.00 | 0.50 | 26.00 | |
| | 3rd steps | | 1 | 26.00 | 1.00 | 0.50 | 13.00 | |
| | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 266.00 | 1.13 | 0.50 | 149.63 | |
| | Out Side | | 1 | 266.00 | 0.75 | 2.25 | 448.88 | |
| | | | | | | **Total:** | **3,330.45** | Cft |
| 14 | **Brick masonry in super structure** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Section A-A | | 2 | 52.50 | 1.50 | 3.50 | 551.25 | |
| | G.f Section B-B | | 1 | 73.00 | 0.75 | 12.00 | 657.00 | |
| | Section C-C | | 1 | 127.25 | 0.75 | 12.00 | 1,145.25 | |
| | Section D-D | | 1 | 43.50 | 0.38 | 12.00 | 195.75 | |
| | Toe Wall | | 1 | 90.00 | 0.75 | 12.00 | 810.00 | |
| | Deduction of Door & Window | | | | | | | |
| | D-2 | | -3 | 5.00 | 0.75 | 8.00 | (90.00) | |
| | D-3 | | -1 | 3.00 | 0.75 | 8.00 | (18.00) | |
| | D-4 | | -2 | 3.00 | 0.75 | 8.00 | (36.00) | |
| | D-5 | | -6 | 2.50 | 0.38 | 8.00 | (45.00) | |
| | D-6 | | -1 | 2.50 | 0.38 | 8.00 | (7.50) | |
| | D-7 | | -3 | 3.00 | 0.75 | 8.00 | (54.00) | |
| | W-1 | | -3 | 4.00 | 0.75 | 4.50 | (40.50) | |
| | W-2 | | -2 | 4.00 | 0.75 | 4.00 | (24.00) | |
| | W-3 | | -2 | 4.00 | 0.75 | 4.00 | (24.00) | |
| | W-5 | | -7 | 6.00 | 0.75 | 11.00 | (346.50) | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total:** | **2,673.75** | Cft |
| 15 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Research Hall | | 1 | 48.00 | 53.25 | 0.33 | 843.48 | |
| | Duck Area | | 1 | 48.00 | 12.00 | 0.33 | 190.08 | |
| | Office | | 3 | 11.00 | 10.00 | 0.33 | 108.90 | |
| | Office Area | | 2 | 6.00 | 10.00 | 0.33 | 39.60 | |
| | Kitchen | | 1 | 10.25 | 6.13 | 0.33 | 20.72 | |
| | Kitchen | | 1 | 8.00 | 18.13 | 0.33 | 47.85 | |
| | Store | | 1 | 10.25 | 11.25 | 0.33 | 38.05 | |
| | Male Toilet | | 1 | 8.00 | 18.13 | 0.33 | 47.85 | |
| | W.C | | 5 | 5.00 | 3.50 | 0.33 | 28.88 | |
| | Female Toilet | | 1 | 7.38 | 6.63 | 0.33 | 16.13 | |
| | W.C | | 2 | 3.50 | 5.00 | 0.33 | 11.55 | |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | 0.33 | 35.89 | |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | 0.33 | 14.43 | |
| | Stair Hall | | 1 | 23.63 | 19.25 | 0.33 | 150.08 | |
| | | | | | | **Total:** | **1,593.48** | **Cft** |
| 16 | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 266.00 | 3.00 | | 798.00 | |
| | | | | | | **Total:** | **798.00** | **Sft** |
| 17 | **Porcelain (Wooden Texture Tile)** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Research Hall | | 1 | 48.00 | 53.25 | | 2,556.00 | |
| | Duck Area | | 1 | 48.00 | 12.00 | | 576.00 | |
| | Office | | 3 | 11.00 | 10.00 | | 330.00 | |
| | Office Area | | 2 | 6.00 | 10.00 | | 120.00 | |
| | Store | | 1 | 10.25 | 11.25 | | 115.31 | |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | | 108.75 | |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | | 43.71 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Stair Hall | | 1 | 23.63 | 19.25 | | 454.78 | |
| | | | | | | **Total** | **4,304.56** | Sft |
| 18 | **Wall skirting** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Research Hall | | 2 | 53.25 | | 0.50 | 53.25 | |
| | Duck Area | | 2 | 12.00 | | 0.50 | 12.00 | |
| | Office | | 6 | 11.00 | | 0.50 | 33.00 | |
| | | | 6 | 10.00 | | 0.50 | 30.00 | |
| | Office Area | | 2 | 6.00 | | 0.50 | 6.00 | |
| | | | 4 | 10.00 | | 0.50 | 20.00 | |
| | Store | | 2 | 10.25 | | 0.50 | 10.25 | |
| | | | 2 | 11.25 | | 0.50 | 11.25 | |
| | 6'-0" Wide Lobby | | 2 | 6.00 | | 0.50 | 6.00 | |
| | | | 2 | 18.13 | | 0.50 | 18.13 | |
| | 5'-4.5" Wide Lobby | | 2 | 8.13 | | 0.50 | 8.13 | |
| | Stair Hall | | 1 | 25.00 | | 0.50 | 12.50 | |
| | | | | | | **Total** | **220.50** | Sft |
| 19 | **Superb Quality Ceramic tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Kitchen | | 1 | 10.25 | 6.13 | | 62.78 | |
| | Kitchen | | 1 | 8.00 | 18.13 | | 145.00 | |
| | Male Toilet | | 1 | 8.00 | 18.13 | | 145.00 | |
| | W.C | | 5 | 5.00 | 3.50 | | 87.50 | |
| | Female Toilet | | 1 | 7.38 | 6.63 | | 48.89 | |
| | W.C | | 2 | 3.50 | 5.00 | | 35.00 | |
| | | | | | | **Total** | **524.17** | Sft |
| 20 | **Wall skirting/dado** | | | | | | | |
| | Kitchen | | 2 | 10.25 | | 7.00 | 143.50 | |
| | | | 2 | 6.13 | | 7.00 | 85.75 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Kitchen | | 2 | 8.00 | | 7.00 | 112.00 | |
| | | | 2 | 18.13 | | 7.00 | 253.75 | |
| | Male Toilet | | 2 | 8.00 | | 7.00 | 112.00 | |
| | | | 2 | 18.13 | | 7.00 | 253.75 | |
| | W.C | | 10 | 5.00 | | 7.00 | 350.00 | |
| | | | 10 | 3.50 | | 7.00 | 245.00 | |
| | Female Toilet | | 2 | 7.38 | | 7.00 | 103.32 | |
| | | | 2 | 6.63 | | 7.00 | 92.75 | |
| | W.C | | 4 | 3.50 | | 7.00 | 98.00 | |
| | | | 4 | 5.00 | | 7.00 | 140.00 | |
| | External Wall | | 2 | 62.00 | | 5.00 | 620.00 | |
| | Deduction of Door & Window | | | | | | | |
| | D-3 | | -1 | 3.00 | | 7.00 | (21.00) | |
| | D-4 | | -2 | 3.00 | | 7.00 | (42.00) | |
| | D-5 | | -6 | 2.50 | | 7.00 | (105.00) | |
| | D-6 | | -1 | 2.50 | | 7.00 | (17.50) | |
| | W-1 | | -2 | 4.00 | | 3.50 | (28.00) | |
| | W-2 | | -4 | 4.00 | | 3.00 | (48.00) | |
| | W-3 | | -4 | 4.00 | | 3.00 | (48.00) | |
| | | | | | | **Total** | **2,300.32** | Sft |
| 21 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | 1st Treads | | 1 | 26.00 | 1.00 | | 26.00 | |
| | 2nd Treads | | 1 | 26.00 | 1.00 | | 26.00 | |
| | 1st Riser | | 1 | 26.00 | | 0.50 | 13.00 | |
| | 2nd Riser | | 1 | 26.00 | | 0.50 | 13.00 | |
| | 3rd Riser | | 1 | 26.00 | | 0.50 | 13.00 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **Window Sills** | | | | | | | |
| | W-1 | | 3 | 4.00 | 1.00 | | 12.00 | |
| | W-2 | | 2 | 4.00 | 1.00 | | 8.00 | |
| | W-3 | | 2 | 4.00 | 1.00 | | 8.00 | |
| | W-4 | | 5 | 5.00 | 1.00 | | 25.00 | |
| | W-5 | | 7 | 6.00 | 1.00 | | 42.00 | |
| | Vanity shelf | | 1 | 12.00 | 2.00 | | 24.00 | |
| | Vanity shelf | | 1 | 7.38 | 2.00 | | 14.75 | |
| | Kitchen shelf | | 2 | 24.13 | 2.00 | | 96.50 | |
| | | | | | | **Total** | **321.25** | Sft |
| 22 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Duck Area | | 2 | 12.00 | | 3.50 | 84.00 | |
| | Research Hall | | 2 | 53.25 | | 3.50 | 372.75 | |
| | Officer | | 6 | 11.00 | | 12.00 | 792.00 | |
| | | | 6 | 10.00 | | 12.00 | 720.00 | |
| | Officer Area | | 2 | 6.00 | | 12.00 | 144.00 | |
| | | | 2 | 10.00 | | 12.00 | 240.00 | |
| | | | 2 | 10.00 | | 3.50 | 70.00 | |
| | Store | | 2 | 10.25 | | 12.00 | 246.00 | |
| | | | 2 | 11.25 | | 12.00 | 270.00 | |
| | 6'-0" Wide Lobby | | 2 | 6.00 | | 12.00 | 144.00 | |
| | | | 2 | 18.13 | | 12.00 | 435.00 | |
| | 5'-4.5" Wide Lobby | | 2 | 8.13 | | 12.00 | 195.00 | |
| | Kitchen | | 2 | 10.25 | | 12.00 | 246.00 | |
| | | | 2 | 6.13 | | 12.00 | 147.00 | |
| | Kitchen | | 2 | 8.00 | | 12.00 | 192.00 | |
| | | | 2 | 18.13 | | 12.00 | 435.00 | |
| | Male Toilet | | 2 | 8.00 | | 12.00 | 192.00 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | 2 | 18.13 | | 12.00 | 435.00 | |
| | W.C | | 10 | 5.00 | | 12.00 | 600.00 | |
| | | | 10 | 3.50 | | 12.00 | 420.00 | |
| | Female Toilet | | 2 | 7.38 | | 12.00 | 177.12 | |
| | | | 2 | 6.63 | | 12.00 | 159.00 | |
| | W.C | | 4 | 3.50 | | 12.00 | 168.00 | |
| | | | 4 | 5.00 | | 12.00 | 240.00 | |
| | Deduction of Door & Window | | | | | | | |
| | D-2 | | -3 | 5.00 | | 8.00 | (120.00) | |
| | D-3 | | -1 | 3.00 | | 8.00 | (24.00) | |
| | D-4 | | -2 | 3.00 | | 8.00 | (48.00) | |
| | D-5 | | -6 | 2.50 | | 8.00 | (120.00) | |
| | D-6 | | -1 | 2.50 | | 8.00 | (20.00) | |
| | W-1 | | -3 | 4.00 | | 4.50 | (54.00) | |
| | W-2 | | -2 | 4.00 | | 4.00 | (32.00) | |
| | W-3 | | -2 | 4.00 | | 4.00 | (32.00) | |
| | W-4 | | -5 | 5.00 | | 4.50 | (112.50) | |
| | W-5 | | -7 | 6.00 | | 11.00 | (462.00) | |
| | | | | | | **Total** | **6,099.37** | Sft |
| 23 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 2 | 80.00 | | 5.00 | 800.00 | |
| | | | 1 | 51.00 | | 13.00 | 663.00 | |
| | | | 1 | 60.00 | | 13.00 | 780.00 | |
| | Deduction of Door & Window | | | | | | | |
| | W-1 | | -6 | 4.00 | | 4.50 | (108.00) | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-2 | | -4 | 4.00 | | 4.00 | (64.00) | |
| | W-3 | | -4 | 4.00 | | 4.00 | (64.00) | |
| | W-5 | | -7 | 6.00 | | 11.00 | (462.00) | |
| | | | | | | **Total** | **1,545.00** | Sft |
| 24 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of Slab | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 6,099.37 | |
| | | | | | | **Total** | **6,099.37** | Sft |
| 25 | **M.S chowkat Double Leaf** | | | | | | | |
| i | **Single leaf** | | | | | | | |
| | D-3 | | 1 | 3.00 | | 8.00 | 24.00 | |
| | | | | | | **Total** | **24.00** | Sft |
| ii | **Double Leaf** | | | | | | | |
| | D-2 | | 3 | 5.00 | | 8.00 | 120.00 | |
| | | | | | | **Total** | **120.00** | Sft |
| 26 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-2 | | 3 | 5.00 | | 8.00 | 120.00 | |
| | D-3 | | 1 | 3.00 | | 8.00 | 24.00 | |
| | | | | | | **Total** | **144.00** | Sft |
| 27 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 4 | | | | 4.00 | |
| | | | | | | **Total** | **4.00** | **No** |
| 28 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 4 | | | | 4.00 | |
| | | | | | | **Total** | **4.00** | **No** |
| 29 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Qty as per External plaster of walls | | | | | | 1,545.00 | |
| | | | | | | **Total** | **1,545.00** | Sft |
| 30 | **Aluminium Glazed Door/Wall** | | | | | **avg** | | |
| | Front side | | 1 | 48.00 | | 29.00 | 1,392.00 | |
| | Light mumty | | 1 | 48.00 | | 8.00 | 384.00 | |
| | D-7 | | 3 | 11.00 | | 8.00 | 264.00 | |
| | D-7 | | 5 | 9.25 | | 8.00 | 370.00 | |
| | W-5 | | 7 | 6.00 | | 21.00 | 882.00 | |
| | | | | | | **Total** | **3,292.00** | Sft |
| 31 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 3 | 4.00 | | 4.50 | 54.00 | |
| | W-2 | | 2 | 4.00 | | 4.00 | 32.00 | |
| | W-3 | | 2 | 4.00 | | 4.00 | 32.00 | |
| | W-4 | | 5 | 5.00 | | 4.50 | 112.50 | |
| | | | | | | **Total** | **230.50** | Sft |
| 32 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 230.50 | 0.50 | | 115.25 | |
| | | | | | | **Total** | **115.25** | Sft |
| 33 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 230.50 | | | 230.50 | |
| | | | | | | **Total** | **230.50** | Sft |
| 34 | **M.S. Stair Railing** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Entrance Railing | | 2 | 24.00 | | | 48.00 | |
| | **Terrace Railing** | | **1** | **65.50** | | | **65.50** | |
| | | | | | | **Total** | **113.50** | Rft |
| 35 | **Corrugated galvanized iron sheets** | | | | | | | |
| A | **Ground Floor** | | | | | | | |
| | Sheet Area Plain | | 1 | 51.00 | 51.00 | | 2,601.00 | |
| | Sheet Area Plain walkway | | 1 | 8.00 | 30.00 | | 240.00 | |
| | | | | | | **Total** | **2,841.00** | Sft |
| 36 | **Fabrication of heavy steel work** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Girder | 1 | 2 | 51.00 | 0.025 | 0.99 | 2.48 | Cft |
| | Gider Top & Bottom side | 2 | 2 | 51.00 | 0.67 | 0.043 | 5.84 | Cft |
| | Girder | 1 | 2 | 80.00 | 0.025 | 0.99 | 3.90 | Cft |
| | Gider Top & Bottom side | 2 | 2 | 80.00 | 0.67 | 0.043 | 9.16 | Cft |
| | Girder | 1 | 5 | 51.00 | 0.025 | 0.99 | 6.21 | Cft |
| | Gider Top & Bottom side | 2 | 5 | 51.00 | 0.67 | 0.043 | 14.60 | Cft |
| | Channel Purlin center side | 1 | 14 | 51.00 | 0.666 | 0.02 | 8.74 | Cft |
| | Channel Purlin top & bottom side | 2 | 14 | 51.00 | 0.19 | 0.032 | 8.67 | Cft |
| | M.S Base plate 2.67'*/2.16' , 1.5 inch thick C-1 | 2 | 10 | 2.67 | 2.16 | 0.13 | 14.42 | Cft |
| | M.S Base plate 1.16'*1.67' , 1 inch thick C-2 | 2 | 8 | 1.67 | 1.16 | 0.08 | 2.58 | Cft |
| | M.S Base plate 1.16'*1.67' , 1 inch thick C-3 | 2 | 8 | 1.25 | 1.25 | 0.08 | 2.08 | Cft |
| | Columns 18*35 size upto first floor | 1 | 10 | 8.00 | 0.025 | 1.48 | 2.95 | Cft |
| | Gider sides | 2 | 10 | 8.00 | 0.50 | 0.035 | 2.83 | Cft |
| | Columns 12*40 size up to ground Floor | 1 | 8 | 8.00 | 0.025 | 0.99 | 1.56 | Cft |
| | Gider sides | 2 | 8 | 8.00 | 0.67 | 0.043 | 3.66 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 2 | 13 | 51.00 | 0.25 | 0.0208 | 6.91 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 1 | 13 | 51.00 | 0.25 | 0.0208 | 3.45 | Cft |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **100.05** | Cft |
| | | | | **100.05** | Lbs Per cft | **490.00** | **49,023.89** | Lbs |
| | | | | | | **Total** | **22,243.14** | Kg |
| | **Plain Rowel Bolt in Columns** | | 100 | 6.00 | | 3.50 | 2,100.00 | Rft |
| | | | 32 | 4.00 | | 3.50 | 448.00 | Rft |
| | | | | | | Total | 2,548.00 | |
| | unit weight 1 inch dia | | | 2,548.00 | Kg Per Rft weight | 0.68 | 1,734.12 | Kg |
| | | | | | | **Total** | **1,734.12** | Kg |
| | | | | | | **Total** | **23,977.26** | Kg |
| 37 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 2,841.00 | | | 5,682.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 2841.00 | |
| | | | | | | **Total** | **8,523.00** | Sft |
| | | | | | | | | |
| 38 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | F-1 | | 10 | 10.50 | 8.50 | | 892.50 | |
| | Section A-A | | 2 | 36.00 | 3.50 | | 252.00 | |
| | Section B-B | | 1 | 44.00 | 3.00 | | 132.00 | |
| | Section C-C | | 1 | 109.25 | 3.00 | | 327.75 | |
| | Section D-D | | 1 | 43.50 | 3.00 | | 130.50 | |
| | Toe Wall | | 1 | 68.00 | 2.00 | | 136.00 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 266.00 | 1.13 | | 299.25 | |
| | **sides** | | | | | | | |
| | F-1 | | 20 | 10.50 | | 3.00 | 630.00 | |
| | | | 20 | 8.50 | | 3.00 | 510.00 | |
| | F-2 | | 32 | 7.50 | | 3.00 | 720.00 | |
| | F-3 | | 28 | 5.50 | | 3.00 | 462.00 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Section A-A | | 4 | 36.00 | | 3.00 | 432.00 | |
| | Section B-B | | 2 | 44.00 | | 3.00 | 264.00 | |
| | Section C-C | | 2 | 109.25 | | 3.00 | 655.50 | |
| | Section D-D | | 2 | 43.50 | | 3.00 | 261.00 | |
| | Toe Wall | | 2 | 68.00 | | 1.00 | 136.00 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 2 | 266.00 | | 1.00 | 532.00 | |
| | **Under Floor** | | | | | | | |
| | Research Hall | | 1 | 48.00 | 53.25 | | 2,556.00 | |
| | Duck Area | | 1 | 48.00 | 12.00 | | 576.00 | |
| | Office | | 3 | 11.00 | 10.00 | | 330.00 | |
| | Office Area | | 2 | 6.00 | 10.00 | | 120.00 | |
| | Kitchen | | 1 | 10.25 | 6.13 | | 62.78 | |
| | Kitchen | | 1 | 8.00 | 18.13 | | 145.00 | |
| | Store | | 1 | 10.25 | 11.25 | | 115.31 | |
| | Male Toilet | | 1 | 8.00 | 18.13 | | 145.00 | |
| | W.C | | 5 | 5.00 | 3.50 | | 87.50 | |
| | Female Toilet | | 1 | 7.38 | 6.63 | | 48.89 | |
| | W.C | | 2 | 3.50 | 5.00 | | 35.00 | |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | | 108.75 | |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | | 43.71 | |
| | Stair Hall | | 1 | 23.63 | 19.25 | | 454.78 | |
| | | | | | | **Total:** | **11,601.23** | **Sft** |
| 39 | **PVC Rain water Pipe 5" Dia** | | 6 | 12.00 | | | 72.00 | |
| | | | | | | **Total:** | **72.00** | **Rft** |

**#REF!**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA).**

**RESEARCH CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **Non-schedule items** | | | | | | | |
| NS-1 | **UPVC Panel Door** | | | | | | | |
| | D-4 | | 2 | 3.00 | | 8.00 | 48.00 | |
| | D-5 | | 6 | 2.50 | | 8.00 | 120.00 | |
| | D-6 | | 1 | 2.50 | | 8.00 | 20.00 | |
| | | | | | | **Total** | **188.00** | Sft |
| NS-2 | **Sand which Panel with insulation** | | | | | | | |
| | Roof Sheet Area | | | 2,841.00 | | | 2,841.00 | |
| | Ground wall area | | 2 | 80.00 | 14.00 | | 2,240.00 | |
| | | | | | | **Total** | **5,081.00** | Sft |
| NS-3 | **Pvc Panel with pasted to Sheet** | | | | | | | |
| | **Ground Floor at walls** | 2 | 1 | 80.00 | | 12.00 | 1,920.00 | Sft |
| | Ground Floor inner side walls | 1 | 1 | 48.00 | | 12.00 | 576.00 | Sft |
| | Roofs in Ground Floor | 1 | 1 | 51.00 | 51.00 | | 2,601.00 | Sft |
| | | | | | | **Total** | **5,097.00** | Sft |
| NS-4 | **Wooden Plank 3/4" thick** | | | | | | | |
| | Roof | | 1 | 2,841.00 | Area | | 2841.00 | |
| | G.F Outer walls | | 2 | 79.00 | | 7.00 | 1,106.00 | |
| | | | | | | **Total** | **3,947.00** | Sft |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of Residential Facility**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 20,480,000 | |
| | **Total Schedule Items** | **20,480,000** | |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## SUMMARY OF COST

### Construction of Residential Facility

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 16,282.88 | 15.82 | 257,595.08 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 8,141.44 | 7.54 | 61,386.44 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 7,408.01 | 16.02 | 118,676.36 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 345.32 | 375.16 | 129,549.78 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 611.16 | 124.41 | 76,034.54 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 314.84 | 497.23 | 156,548.16 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 4,233.55 | 100.03 | 423,481.76 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 2,279.60 | 41.07 | 93,623.27 |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## SUMMARY OF COST

### Construction of Residential Facility

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 370.15 | 694.70 | 257,142.25 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 1,115.40 | 841.70 | 938,828.23 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 6,241.88 | 303.10 | 1,891,914.73 |
| 12 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 220.11 | 133.62 | 29,410.60 |
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 440.21 | 81.96 | 36,079.82 |
| | **7. BRICK WORK** | | | | | |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## SUMMARY OF COST

### Construction of Residential Facility

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,530.31 | 370.56 | 567,071.44 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 3,144.49 | 392.61 | 1,234,557.24 |
| | **10. FLOORING** | | | | | |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 611.16 | 41.07 | 25,100.38 |
| 17 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 1,852.00 | 450.10 | 833,586.61 |
| 18 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 898.01 | 451.50 | 405,450.27 |
| 19 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 271.03 | 1,233.15 | 334,222.19 |
| | **11. SURFACE RENDERING** | | | | | |
| 20 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 3,305.40 | 46.18 | 152,643.37 |
| 21 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,356.20 | 62.00 | 146,084.40 |
| 22 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 3,470.67 | 3.93 | 13,639.73 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 3,470.67 | 8.76 | 30,403.07 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of Residential Facility**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | ii) two coats | P.Sft | 3,470.67 | 12.12 | 42,064.52 |
| | **12. WOOD WORK** | | | | | |
| 23a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 34.09 | 14,365.05 | 489,656.49 |
| 23b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 811.59 | 74.32 | 60,317.15 |
| 24 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 176.40 | 950.00 | 167,580.00 |
| 25 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 176.40 | 756.75 | 133,490.70 |
| 26 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 8.00 | 178.30 | 1,426.40 |
| 27 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 8.00 | 4,400.25 | 35,202.00 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 28 | 13/33 a | Providing and applying weather shield paint of | P.Sft | 2,474.01 | 47.26 | 116,921.71 |
| | | **ii) 2nd coat** | P.Sft | 2,474.01 | 26.52 | 65,610.75 |
| | **25. IRON WORK** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of Residential Facility**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 29 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 67.20 | 1,306.55 | 87,800.16 |
| 30 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 35.28 | 542.80 | 19,149.98 |
| 31 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 70.56 | 1,191.85 | 84,096.94 |
| 32 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 2,559.38 | 1,648.65 | 4,219,513.59 |
| 33 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 15,897.23 | 388.93 | 6,182,910.76 |
| 34 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 8,062.03 | 11.91 | 96,018.79 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 16,124.06 | 24.24 | 390,847.28 |
| | **26. MISCELLANEOUS** | | | | | |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## SUMMARY OF COST

### Construction of Residential Facility

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 35 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 5,925.32 | 12.55 | 74,362.72 |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **20,480,000** |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Residential Facility**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 7.00 | 5.00 | 8,032.50 | |
| | Short Wall A | | 2 | 25.00 | 7.00 | 5.00 | 1,750.00 | |
| | Short Wall A | | 7 | 17.00 | 7.00 | 5.00 | 4,165.00 | |
| | 4 1/2" thick Wall Footing | | 8 | 6.00 | 6.50 | 5.00 | 1,560.00 | |
| | | | | | **Add 5%** | **Total:** | **16,282.88** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 16,282.88 | | | **8141.44** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Verandha | | 1 | 76.50 | 7.50 | 4.00 | 2295.00 | |
| | Room | | 4 | 12.00 | 17.00 | 4.00 | 3264.00 | |
| | Bath | | 4 | 5.63 | 10.00 | 4.00 | 900.00 | |
| | Dress | | 4 | 5.63 | 6.63 | 4.00 | 596.25 | |
| | | | | | **Add 5%** | **Total:** | **7,408.01** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 3.00 | 0.25 | 172.13 | |
| | Short Wall A | | 2 | 25.00 | 3.00 | 0.25 | 37.50 | |
| | Short Wall A | | 7 | 17.00 | 3.00 | 0.25 | 89.25 | |
| | 4 1/2" thick Wall Footing | | 8 | 6.00 | 2.50 | 0.25 | 30.00 | |
| | | | | | **Add 5%** | **Total:** | **345.32** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Verandha | | 1 | 76.50 | 7.50 | 0.33 | 189.34 | |
| | Room | | 4 | 12.00 | 17.00 | 0.33 | 269.28 | |
| | Bath | | 4 | 5.63 | 10.00 | 0.33 | 74.25 | |
| | Dress | | 4 | 5.63 | 6.63 | 0.33 | 49.19 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Residential Facility**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total:** | **611.16** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Verandha | | 1 | 76.50 | 7.50 | 0.17 | 97.54 | |
| | Room | | 4 | 12.00 | 17.00 | 0.17 | 138.72 | |
| | Bath | | 4 | 5.63 | 10.00 | 0.17 | 38.25 | |
| | Dress | | 4 | 5.63 | 6.63 | 0.17 | 25.34 | |
| | | | | | **Add 5%** | **Total:** | **314.84** | Cft |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 65% | 3 | 76.50 | 7.00 | 2.00 | 2,088.45 | |
| | Short Wall A | 65% | 2 | 25.00 | 7.00 | 2.00 | 455.00 | |
| | Short Wall A | 65% | 7 | 17.00 | 7.00 | 2.00 | 1,082.90 | |
| | 4 1/2" thick Wall Footing | 65% | 8 | 6.00 | 6.50 | 2.00 | 405.60 | Cft |
| | | | | | **Add 5%** | **Total:** | **4,233.55** | |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 35% | 3 | 76.50 | 7.00 | 2.00 | 1,124.55 | |
| | Short Wall A | 35% | 2 | 25.00 | 7.00 | 2.00 | 245.00 | |
| | Short Wall A | 35% | 7 | 17.00 | 7.00 | 2.00 | 583.10 | |
| | 4 1/2" thick Wall Footing | 35% | 8 | 6.00 | 6.50 | 2.00 | 218.40 | Cft |
| | | | | | **Add 5%** | **Total:** | **2,279.60** | |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 2.50 | 0.33 | 189.34 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Residential Facility**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Short Wall A | | 2 | 25.00 | 2.50 | 0.33 | 41.25 | |
| | Short Wall A | | 7 | 17.00 | 2.50 | 0.33 | 98.18 | |
| | 4 1/2" thick Wall Footing | | 8 | 6.00 | 1.50 | 0.33 | 23.76 | |
| | | | | | **Add 5%** | **Total:** | **370.15** | |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 0.75 | 0.75 | 129.09 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | 0.75 | 28.13 | |
| | Short Wall A | | 7 | 17.00 | 0.75 | 0.75 | 66.94 | |
| ii | **Lintel Band** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 0.75 | 0.75 | 129.09 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | 0.75 | 28.13 | |
| | Short Wall A | | 7 | 17.00 | 0.75 | 0.75 | 66.94 | Cft |
| iii | **Roof Band** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 0.75 | 0.75 | 129.09 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | 0.75 | 28.13 | |
| | Short Wall A | | 7 | 17.00 | 0.75 | 0.75 | 66.94 | Kg |
| iv | **Pedestal** | | | | | | | |
| | P-1 | | 21 | 1.50 | 1.50 | 8.25 | 389.81 | |
| | | | | | **Add 5%** | **Total** | **1,115.40** | |
| 11 | **Reinforcement** | | | | | | | Sft |
| | RCC Footing | | 1 | 370.15 | 2.50 | Per Cft | 925.37 | |
| | Superstructural | | 1 | 1,115.40 | 4.50 | Per Cft | 5,019.28 | |
| | | | | | **Add 5%** | **Total** | **6,241.88** | |
| 12 | **Horizontal DPC** | | | | | | | Sft |
| | Long Wall A | | 3 | 76.50 | 0.75 | | 172.13 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | | 37.50 | |
| | | | | | **Add 5%** | **Total:** | **220.11** | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Residential Facility**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 13 | **Vertical DPC** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | | 1.50 | 344.25 | |
| | Short Wall A | | 2 | 25.00 | | 1.50 | 75.00 | |
| | | | | | **Add 5%** | **Total:** | **440.21** | |
| 14 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 1.50 | 0.50 | 344.25 | |
| | Short Wall A | | 2 | 25.00 | 1.50 | 0.50 | 75.00 | |
| | Short Wall A | | 7 | 17.00 | 1.50 | 0.50 | 178.50 | |
| | 4 1/2" thick Wall Footing | | 8 | 6.00 | 1.13 | 0.50 | 54.00 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 1.13 | 0.50 | 258.19 | |
| | Short Wall A | | 2 | 25.00 | 1.13 | 0.50 | 56.25 | |
| | Short Wall A | | 7 | 17.00 | 1.13 | 0.50 | 133.88 | |
| | 4 1/2" thick Wall Footing | | 8 | 6.00 | 0.75 | 8.00 | 36.00 | |
| | **3rd Steps** | | | | | | | Cft |
| | Long Wall A | | 3 | 76.50 | 0.75 | 6.50 | 172.13 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | 6.50 | 37.50 | |
| | Short Wall A | | 7 | 17.00 | 0.75 | 6.50 | 89.25 | |
| | Ent Steps | | | | | | | |
| | 1st Steps | | 1 | 15.00 | 2.00 | 0.50 | 15.00 | |
| | 2nd Steps | | 1 | 15.00 | 1.00 | 0.50 | 7.50 | |
| | | | | | **Add 5%** | **Total:** | **1,530.31** | |
| 15 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 0.75 | 10.00 | 1,721.25 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | 10.00 | 375.00 | Cft |
| | Short Wall A | | 7 | 17.00 | 0.75 | 10.00 | 892.50 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Residential Facility**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | 4 1/2" thick Wall Footing | | 8 | 6.00 | 0.38 | 10.00 | 180.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -8 | 3.00 | 0.75 | 7.00 | (126.00) | |
| | W-1 | | -4 | 3.00 | 0.75 | 4.00 | (36.00) | |
| | V-1 | | -4 | 2.00 | 0.75 | 2.00 | (12.00) | **Cft** |
| | | | | | **Add 5%** | **Total:** | **3,144.49** | |
| 16 | **Sand filling** | | | | | | | |
| | Verandha | | 1 | 76.50 | 7.50 | 0.33 | 189.34 | |
| | Room | | 4 | 12.00 | 17.00 | 0.33 | 269.28 | |
| | Bath | | 4 | 5.63 | 10.00 | 0.33 | 74.25 | |
| | Dress | | 4 | 5.63 | 6.63 | 0.33 | 49.19 | |
| | | | | | **Add 5%** | **Total:** | **611.16** | Sft |
| 17 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Verandha | | 1 | 76.50 | 7.50 | | 573.75 | |
| | Room | | 4 | 12.00 | 17.00 | | 816.00 | |
| | Bath | | 4 | 5.63 | 10.00 | | 225.00 | |
| | Dress | | 4 | 5.63 | 6.63 | | 149.06 | |
| | | | | | **Add 5%** | **Total** | **1,852.00** | |
| 18 | **Wall skirting** | | | | | | | |
| | Verandha | | 2 | 76.50 | | 0.33 | 50.49 | |
| | | | 2 | 7.75 | | 0.33 | 5.12 | Sft |
| | Room | | 2 | 12.00 | | 0.33 | 7.92 | |
| | | | 2 | 17.00 | | 0.33 | 11.22 | |
| | Bath | | 4 | 5.63 | | 7.00 | 157.50 | |
| | | | 4 | 10.00 | | 7.00 | 280.00 | |
| | Dress | | 4 | 5.63 | | 7.00 | 157.50 | |
| | | | 4 | 6.63 | | 7.00 | 185.50 | |
| | | | | | **Add 5%** | **Total** | **898.01** | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Residential Facility**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 19 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | Sft |
| | Podium | | 1 | 25.75 | 7.50 | | 193.13 | |
| | 1st Treads | | 2 | 15.00 | 1.00 | | 30.00 | |
| | 1st Riser | | 2 | 15.00 | | 0.50 | 15.00 | |
| | **Window Sills** | | | | | | | |
| | W-1 | | 4 | 3.00 | 1.00 | | 12.00 | |
| | V-1 | | 4 | 2.00 | 1.00 | | 8.00 | |
| | | | | | **Add 5%** | **Total** | **271.03** | |
| 20 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | avg | | |
| | Verandha | | 2 | 76.50 | | 10.00 | 1530.00 | |
| | | | 2 | 7.75 | | 10.00 | 155.00 | |
| | Room | | 2 | 12.00 | | 10.00 | 240.00 | |
| | | | 2 | 17.00 | | 10.00 | 340.00 | |
| | Bath | | 4 | 5.63 | | 10.00 | 225.00 | |
| | | | 4 | 10.00 | | 10.00 | 400.00 | Sft |
| | Dress | | 4 | 5.63 | | 10.00 | 225.00 | |
| | | | 4 | 6.63 | | 10.00 | 265.00 | |
| | **Deduction** | | | | | | 0.00 | |
| | D-1 | | -8 | 3.00 | | 7.00 | -168.00 | |
| | W-1 | | -4 | 3.00 | | 4.00 | -48.00 | Sft |
| | V-1 | | -4 | 2.00 | | 2.00 | -16.00 | |
| | | | | | **Add 5%** | **Total** | **3,305.40** | |
| 21 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | Sft |
| | **External wall** | | | | | Avg | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Residential Facility**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Long Wall A | | 1 | 204.00 | Rft | 11.00 | 2,244.00 | |
| | | | | | **Add 5%** | **Total** | **2,356.20** | |
| 22 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | **Cft** |
| | Qty as per internal plaster of walls | | | | | | 3,305.40 | |
| | | | | | **Add 5%** | **Total** | **3,470.67** | |
| 23a | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | **Sft** |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 | |
| | | | | | **Add 5%** | **Total:** | **34.09** | |
| 23b | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | Sft |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | | 394.94 | |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | | 378.00 | |
| | | | | | **Add 5%** | **Total:** | **811.59** | |
| 24 | **Soild Core Door** | | | | | | | Sft |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 8 | 3.00 | | 7.00 | 168.00 | |
| | | | | | **Add 5%** | **Total** | **176.40** | **No** |
| 25 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 8 | 3.00 | | 7.00 | 168.00 | **No** |
| | | | | | **Add 5%** | **Total** | **176.40** | |
| 26 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 8 | | | | 8.00 | |
| | | | | | | **Total** | **8.00** | Sft |
| 27 | **Door Stops** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Residential Facility**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | Ground Floor | | 8 | | | | 8.00 | |
| | | | | | | **Total** | **8.00** | |
| 28 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | Sft |
| | Qty as per External plaster of walls | | | | | | 2,356.20 | |
| | | | | | **Add 5%** | **Total** | **2,474.01** | |
| 29 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | Sft |
| | W-1 | | 4 | 3.00 | | 4.00 | 48.00 | |
| | V-1 | | 4 | 2.00 | | 2.00 | 16.00 | |
| | | | | | **Add 5%** | **Total** | **67.20** | |
| 30 | **Aluminum Fly screen** | | | | | | | Sft |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 67.20 | 50% | | 33.60 | |
| | | | | | **Add 5%** | **Total** | **35.28** | Sft |
| 31 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 67.20 | | | 67.20 | Cft |
| | | | | | **Add 5%** | **Total** | **70.56** | Cft |
| 32 | **Sandwich Panels** | | | | | | | Cft |
| | Sheet Area | | 1 | 81.25 | 30.00 | | 2,437.50 | Cft |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Residential Facility**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total** | **2,559.38** | Cft |
| 33 | **Fabrication of heavy steel work** | | | | | | | Cft |
| | **Type A Roof** | | | | | | | Cft |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 30.00 | 2.17 | 0.04 | 19.14 | Lbs |
| | Purlin Box 3"x6"x1/4" | 1 | 8 | 81.25 | 1.00 | 0.02 | 13.65 | Kg |
| | Cleat Angle 1 1/2"x1 1/2:x1/4" | 1 | 8 | 81.25 | 0.25 | 0.02 | 3.41 | Kg |
| | Columns Box 9"x9"x1/2" | 1 | 21 | 9.00 | 3.00 | 0.04 | 23.81 | |
| | M.S Base Plate 15"x15"x1/2" | 1 | 21 | 1.25 | 1.25 | 0.04 | 1.38 | |
| | J Bolts 3/4" dia | 4 | 21 | 0.0031 | Area | 2.00 | 0.52 | |
| | | | | | **Add 5%** | **Total** | **65.00** | Sft |
| | | | | **65.00** | Lbs Per cft | **490.00** | **31,852.27** | |
| | | | | | | **Total** | **14,452.03** | |
| | | | | **Add 10% Revit & Extra Work** | | | **15,897.23** | |
| 34 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 2,559.38 | | | 5,118.75 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 2559.38 | |
| | | | | | **Add 5%** | **Total** | **8,062.03** | |
| 35 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Long Wall A | | 3 | 76.50 | 3.00 | | 688.50 | |
| | Short Wall A | | 2 | 25.00 | 3.00 | | 150.00 | |
| | Short Wall A | | 7 | 17.00 | 3.00 | | 357.00 | |
| | 4 1/2" thick Wall Footing | | 8 | 6.00 | 2.50 | | 120.00 | |
| | **sides** | | | | | | | |
| | Long Wall A | | 6 | 76.50 | | 3.00 | 1,377.00 | |
| | Short Wall A | | 4 | 25.00 | | 3.00 | 300.00 | |
| | Short Wall A | | 14 | 17.00 | | 3.00 | 714.00 | **Sft** |
| | 4 1/2" thick Wall Footing | | 16 | 6.00 | | 3.00 | 288.00 | |
| | **Under Floor** | | | | | | | |
| | Verandha | | 1 | 76.50 | 7.50 | | 573.75 | |
| | Room | | 4 | 12.00 | 17.00 | | 816.00 | |
| | Bath | | 1 | 5.63 | 10.00 | | 56.25 | |
| | Dress | | 1 | 30.59 | 6.63 | | 202.66 | |
| | | | | | **Add 5%** | **Total:** | **5,925.32** | |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Botanical Green House Avairy & Butterfly Garden

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). |
|---|---|---|
| 1 | CIVIL WORK | 41,001,252 |
| 2 | BIRD AVIARY | 219,849,000 |
| 3 | BUTTER FLY GARDEN | 89,149,748 |
| | **Grand.Total** | **350,000,000** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Botanical Green House and Avairy(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | **New Greenhouse** | | | | |
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 10,007.16 | 15.82 | 158,313 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 5,003.58 | 7.54 | 37,727 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 8,834.70 | 16.02 | 141,532 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 81.94 | 375.16 | 30,740 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 521.58 | 124.41 | 64,890 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 268.69 | 497.23 | 133,602 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 2,477.96 | 100.03 | 247,871 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,334.29 | 41.07 | 54,799 |
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 161.14 | 694.70 | 111,946 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Botanical Green House and Avairy(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 436.58 | 841.70 | 367,468 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 2,367.46 | 303.10 | 717,577 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 3,112.64 | 370.56 | 1,153,420 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 801.33 | 392.61 | 314,611 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 307.56 | 41.07 | 12,631 |
| 15 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | P.Sft | 570.00 | 2,511.82 | 1,431,737 |
| 16 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 932.00 | 450.10 | 419,493 |
| 17 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 260.00 | 451.50 | 117,390 |
| | **11. SURFACE RENDERING** | | | | | |
| 18 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,068.44 | 46.18 | 49,341 |
| 19 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,138.44 | 62.00 | 70,583 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Botanical Green House and Avairy(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| | | | | | | |
|---|---|---|---|---|---|---|
| 20 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 1,068.44 | 3.93 | 4,199 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 1,068.44 | 8.76 | 9,360 |
| | | ii) two coats | P.Sft | 1,068.44 | 12.12 | 12,950 |
| 21 | 11/41 | Providing and fixing 3/4" (19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. | P.Sft | 510.00 | 320.02 | 163,210 |
| | **12. WOOD WORK** | | | | | |
| 22a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 58.39 | 14,365.05 | 838,788 |
| 22b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 1,390.26 | 74.32 | 103,324 |
| 23 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 42.00 | 950.00 | 39,900 |
| 24 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 42.00 | 756.75 | 31,784 |
| 25 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |
| 26 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 2.00 | 4,400.25 | 8,801 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 27 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,138.44 | 47.26 | 53,803 |
| | | **ii) 2nd coat** | P.Sft | 1,138.44 | 26.52 | 30,191 |
| | **25. IRON WORK** | | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Botanical Green House and Avairy(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| | | | | | | |
|---|---|---|---|---|---|---|
| 28 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 465.06 | 1,306.55 | 607,621 |
| 29 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 232.53 | 542.80 | 126,217 |
| 30 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 465.06 | 1,191.85 | 554,279 |
| 31 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,394.00 | 1,648.65 | 2,298,218 |
| 32 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 11,461.83 | 388.93 | 4,457,849 |
| 33 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4,182.00 | 11.91 | 49,808 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 8,364.00 | 24.24 | 202,743 |
| 34 | 23/26-b | Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects: -b) 4" i/d (100 mm) | Rft | 72.00 | 514.90 | 37,073 |
| | **26. MISCELLANEOUS** | | | | | |
| 35 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,395.00 | 12.55 | 42,607 |
| | | Arch Gate with Butterfy Logo at the Entrance | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Botanical Green House and Avairy(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | **ESTIMATE FOR CONSTRUCTING A BUTTERFLY PAR K**<br>**TOTALAREA - 815.6 SQM,**<br>**HARDSCAPE - 194.85 SQM,**<br>**SOFTSCAPE AREA - 620.75 SQ** | | | | |
| **Non-Schedule** | | | | | | |
| **NS 1** | | Excavation of foundation:<br>1-Excavation of foundation as per given dimensions in the drawing.<br>2-Removal of unwanted materials immediately from the compound to any place at<br>full responsibility of the contractor<br>All work shall be at full satisfaction of Engineer Incharge. | | | | |
| **NS 2** | | PCC M-150 under the foundation. This item and its cost includes following:<br>1- provision and pouring of the PCC to the given size.<br>2- curing of the concrete till starting of the masonry.<br>All work shall be at full satisfaction of Engineer. | | | | |
| **NS 3** | | Brick masonry with mortar: This item and its cost includes following tasks:<br>1- Provision and doing of break masonry using over-burnt & vitrified second class<br>brick for the first half meter height of the brick wall, approved by Engineer.<br>2- provision and doing of break masonry using second class brick approved by<br>Engineer. This masonry is for the above 0.5m height of the wall from the foundation.<br>3- provision and applying of cement-sand mortar 1:5 in the brick masonry as per full<br>satisfaction of Engineer.<br>4- curing of the masonry till receiving of plastering job.<br>All tasks should be as per full satisfaction of Engineer. | | | | |
| **NS 4** | | RCC ring beam on the brick wall: This item and its cost includes following tasks:<br>1- provision and pouring of RCC ring beam using M-200 concrete.<br>2- curing of the concrete up to receiving plaster.<br>3- embedding of any anchorage beside the reinforcement in the concrete as shown<br>or guided by Engineer.<br>4- reinforcement and shattering required for the job.<br>All RCC and related tasks should be as per full satisfaction of Engineer. | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Botanical Green House and Avairy(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| | | | | | | |
|---|---|---|---|---|---|---|
| **NS 5** | | PCC M-150:<br>This is for the floor finish of half of the house and as well as for the top of the brick<br>wall beneath the roof. This item and its cost includes following:<br>1- provision and pouring of the PCC to the given size.<br>2- provision and laying/compaction of 150mm gravel layer underneath.<br>3- compaction of the existing gourd before gravelling.<br>4- curing/forming of the concrete.<br>5- applying of any required steel anchors at the top of the wall's PCC for roof<br>connections, that will be guided and approved by Engineer.<br>All work shall be at full satisfaction of Engineer. | | | | |
| **NS 6** | | Applying of new cement-sand plastering. This item and its cost includes:<br>1- applying of 20mm thick plastering to all the brick walls and the RCC ring beam<br>inside/outside surfaces.<br>2- substrate preparation, grouting using 1:3 cement mortar.<br>All works shall be at full satisfaction of Engineer. | | | | |
| **NS 7** | NS-1 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel.. | P.Sft | 1650 | 2150 | 3,547,500 |
| **NS 8** | | Backfilling and Plantation Soil preparation. This item and its cost includes:<br>1- provision, applying and compaction of soil around the brick wall after<br>construction.<br>2- provision and laying of 150-200mm planting soil (agricultural soil) for the half of<br>the House.<br>All works shall be at full satisfaction of Engineer. | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Botanical Green House and Avairy(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| | | | | | | |
|---|---|---|---|---|---|---|
| **NS 9** | | Construction of steel frame greenhouse. This item and its cost includes following:<br>1- construction and installation all horizontal members, vertical members, bracings<br>that make the body of the greenhouse all around.<br>2- construction and installation of steel rafters, purlins, bracings etc. that make the<br>body of the roof for the greenhouse.<br>3- any other auxiliary items/members/accessories that are required to complete the<br>full greenhouse to its functioning state to the full guidance of Engineer. For example<br>one small part of the greenhouse is a doorset using the same materials/glazing to<br>build.<br>4- provision and installing of all steel trims around the glazing.<br>5- glazing of walls/roof as per given drawing, using 5mm thick PC hollow-sheets.<br>6- using of silicon sealant during installation of glazing all around the grooves.<br>7- anti-rust painting to all non-galvanized surfaces and parts of the entire steel<br>structure, which will be followed by 3 coats of oil-based painting.<br>8- installation of floor-mounted and ceiling mounted steel flower racks provided by<br>UNOPS at inside the greenhouse during the steel work and before the painting, so<br>that the flower racks shall also be get the newly oil-based painting coats.<br>See drawings for details, thickness of skins, dimensions etc. | | | | |
| **NS 10** | | Construction of vertical steel posts. This item and its cost includes following:<br>1- construction of vertical pipe-columns (about 3.5m each) at the central row of the<br>greenhouse under the rip of the roof.<br>2- bracing members for this pipe-columns.<br>3- embedding of the column into the concrete foundations shown.<br>4- all anti-rust and oil-based painting to all non-galvanized surfaces of the steel<br>members.<br>See drawings for details, thickness of skins, dimensions etc.<br>All works shall be to full satisfaction of Engineer. | | | | |
| **NS 11** | | Applying of new water-based painting on all surfaces that got plastering. This item<br>and its cost includes:<br>1- applying of 3 coats of 100% plastic, weather-shield, water-based mate painting to<br>all internal/external surfaces of walls and reveals at greenhouse that receive plaster.<br>2- substrate preparation, and smoothness of surfaces using proper putty.<br>All works shall be at full satisfaction of Engineer. | P.Sft | 1650 | 450 | 742,500 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Botanical Green House and Avairy(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| | | | | | | |
|---|---|---|---|---|---|---|
| **NS 12** | NS-2 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing. | P.Sft | 1650 | 400 | 660,000 |
| **NS 13** | NS-3 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 1650 | 450 | 742,500 |
| **NS 14** | NS-4 | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | **-** | **-** | 20,000,000 |
| | | **NON-SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **41,001,252** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Botanical Green House and Avairy(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

**Birds avairy**

| Sr. No | DESCRIPTION OF WORK | UNIT | QUANTITY | RATE (PKR) | AMOUNT (PKR) |
|---|---|---|---|---|---|
| | **BRICKWORK** | | | | |
| 1 | Providing and laying Brickwork in upto 4'-0" height. Toe Wall CM 1:4. | | 3,580 | 1,300 | 4,654,000 |
| | **PLASTER WORK** | | | | |
| 2 | Cement Plaster 19mm thick on external surface, finishes as specified. | | 7,800 | 250 | 1,950,000 |
| | **PAINT WORK** | 7,800 | | | |
| 3 | Providing and applying of exterior texture Paint rock wall or equlavalnt on toe wall both sides. | | 10,500 | 380 | 3,990,000 |
| | **STRUCTURAL ELEMENTS AND FINISHES ITEMS** | | | | |
| 4 | Providing and fixing of G.I pole 1 1/2" x 1 1/2" angle iron 14 SWG hot-dipped galvanized coating for corrosion resistance, fixing with power crane in isolated footing. The size of pole is ractangular 24" from bottom and 12" from top. As specified in drawings and design. | | 24 | 950,000 | 22,800,000 |
| 5 | Providing and fixing of G-I Truss System on G-I Poles for cross connection and strentghen the structure, 1 1/2" x 1 1/2" Angle Iron (14 SWG) with Hot-Dipped Galvanized Coating, Including All Fittings & Fixings, Installed with Power Crane. | | 38,500 | 2,500 | 96,250,000 |
| 6 | Provision and installation of **#6 steel rope of 14-gauge galvanized @ 5' x 5' c/c distance** for bird aviary chain link mesh support, including fixing with adequate supports and tensioning to ensure durability. | | 21,200 | 650 | 13,780,000 |
| 7 | Provision and installation of **3/4" x 3/4" chain link mesh of 14-gauge galvanized** for bird aviary, including fixing with adequate supports and tensioning to ensure durability. | | 75,500 | 350 | 26,425,000 |
| 8 | Provision and installation of internal beautification items i.e bridges, viewing decks, sitting chairs, benches, tables, artificial waterfall, bird living huts, breeding rooms, paving pathways, signboards, and sculptures within the bird aviary. The work includes design, fabrication, and installation of all elements, ensuring structural stability, aesthetic appeal, and durability. All components to be made from weather-resistant and eco-friendly materials, complete with necessary finishes, coatings, and fixtures for long-term sustainability | | 1 | 50,000,000 | 50,000,000 |
| | | | | | |
| | **TOTAL ESTIMATED COST (PKR)** | | | | **219,849,000** |
| | **TOTAL ESTIMATED COST (MILLION)** | | | | **219.85** |

ESTIMATE FOR CONSTRUCTING A BUTTERFLY PARK

Arch Gate with Butterfy Logo at the Entrance

Trail (Pathway) with in Bu□erfy Garden

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Floor Mounted Fountains Area**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 108,000,000 | |
| | **Grand.Total** | **108,000,000** | **108,000,000** |

| Sr. No | DESCRIPTION OF WORK | UNIT | QUANTITY | RATE (PKR) | AMOUNT (PKR) |
|---|---|---|---|---|---|
| | **BRICKWORK** | | | | |
| 1 | Providing and laying Brickwork in upto 4'-0" height. Toe Wall CM 1:4. | Cft | 3,580 | 1,300 | 4,654,000 |
| | **PLASTER WORK** | | | | |
| 2 | Cement Plaster 19mm thick on external surface, finishes as specified. | Sft | 7,800 | 250 | 1,950,000 |
| | **PAINT WORK** | | | | |
| 3 | Providing and applying of exterior texture Paint rock wall or equlavalnt on toe wall both sides. | Sft | 10,500 | 380 | 3,990,000 |
| | **STRUCTURAL ELEMENTS AND FINISHES ITEMS** | | | | |
| 4 | Supply of tulip jet fountain or similar type, fountain height 20-25 ft. (approx.) with the following accessories: (i) 3-phase mono submersible pump (5 HP or 7.5 HP, 415 Volt); (ii) 4 ft. dia FRP ring floater with SS frame; (iii) 3" brass tulip jet nozzle; (iv) 6 nos. 12 Watt LED RGB underwater power beam light with IP68 protection stainless houing, SMPS & Controller; (v) 4 nos. MS Anchor with SS rope; (vi) GI / PVC pipes, fittings and valves (ISI marked) and hardware fittings as required for installation; (vii) Outdoor starter panel / control panel for submersible pump and lighting. As specified in drawings and design | Each | 25 | 950,000 | 23,750,000 |
| 5 | Supply of multi-jet fountain or similar type, fountain, height 15-20 ft. (approx.) with the following accessories: (i) 3-phase mono submersible pump (7.5 HP or 10 HP, 415 Volt); (ii) 4 ft. dia FRP ring floater with SS frame; (iii) 3" brass multi jet nozzle; (iv) 6 nos. 12 Watt LED RGB underwater power beam light with IP68 protection stainless houing, SMPS & Controller; (v) 4 nos. MS Anchor with SS rope; (vi) GI / PVC pipes, fittings and valves (ISI marked) and hardware fittings as required for installation; (vii) Outdoor starter panel / control panel for submersible pump and lighting | SFT | 12,000 | 2,500 | 30,000,000 |
| 6 | Installation, Commissioning & Testing of Tulip Jet Floating Fountain. | Kg | 10,000 | 650 | 6,500,000 |
| 7 | Installation, Commissioning & Testing of Multi-Jet Floating Fountain. | Sft | 10,000 | 350 | 3,500,000 |

| Sr. No | DESCRIPTION OF WORK | UNIT | QUANTITY | RATE (PKR) | AMOUNT (PKR) |
|---|---|---|---|---|---|
| | Supply of 4C x 1.5 sq.mm copper submersible control cable for underwater light<br>Supply of 4C x 25 sq.mm XLPE Aluminium armoured cable<br>Supply of power cable (3C x 4 sq.mm copper) for submersible pump. | | | | |
| 8 | Provision and installation of internal beautification items i.e bridges, viewing decks, sitting chairs, benches, tables, artificial waterfall, bird living huts, breeding rooms, paving pathways, signboards, and sculptures within the bird aviary. The work includes design, fabrication, and installation of all elements, ensuring structural stability, aesthetic appeal, and durability. All components to be made from weather-resistant and eco-friendly materials, complete with necessary finishes, coatings, and fixtures for long-term sustainability | LS | 5 | 5,000,000 | 25,000,000 |
| | **ESTIMATED AMOUNT POST FOR NON SCHEFULE AND POST DESIGN** | | | | 8,656,000 |
| | | | | | |
| | **TOTAL ESTIMATED COST (PKR)** | | | | **108,000,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Tuck Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 12,500,000 | |
| | **Total Schedule Items** | **12,500,000** | **12,500,000** |
| | **Net Total** | | **12,500,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Tuck Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 3,052.09 | 15.82 | 48,284 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 1,526.04 | 7.54 | 11,506 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 659.14 | 16.02 | 10,559 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 38.98 | 375.16 | 14,624 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 36.25 | 124.41 | 4,510 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 18.68 | 497.23 | 9,286 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 566.82 | 100.03 | 56,699 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 305.21 | 41.07 | 12,535 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Tuck Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 124.35 | 694.70 | 86,383 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 116.25 | 841.70 | 97,852 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 875.71 | 303.10 | 265,428 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 359.79 | 370.56 | 133,323 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 358.02 | 392.61 | 140,561 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 36.25 | 41.07 | 1,489 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Tuck Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 15 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 109.86 | 450.10 | 49,446 |
| 16 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 23.36 | 451.50 | 10,548 |
| | **11. SURFACE RENDERING** | | | | | |
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 492.71 | 46.18 | 22,753 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 571.20 | 62.00 | 35,414 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 517.35 | 3.93 | 2,033 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 517.35 | 8.76 | 4,532 |
| | | ii) two coats | P.Sft | 517.35 | 12.12 | 6,270 |
| 20 | 11/41 | Providing and fixing 3/4" (19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. | P.Sft | 151.20 | 320.05 | 48,392 |
| | **12. WOOD WORK** | | | | | |
| 21a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 22.05 | 14,603.05 | 321,984 |
| 21b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 524.98 | 74.32 | 39,016 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Tuck Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 22 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 34.65 | 950.00 | 32,918 |
| 23 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 34.65 | 756.75 | 26,221 |
| 24 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 1.00 | 178.30 | 178 |
| 25 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 1.00 | 4,400.25 | 4,400 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 599.76 | 47.26 | 28,345 |
| | | **ii) 2nd coat** | P.Sft | 599.76 | 26.52 | 15,906 |
| | **25. IRON WORK** | | | | | |
| 27 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 136.50 | 1,306.55 | 178,344 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Tuck Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 71.66 | 542.80 | 38,898 |
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 143.33 | 1,191.85 | 170,822 |
| 30 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 269.06 | 1,648.65 | 443,590 |
| 31 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 4,397.36 | 388.93 | 1,710,264 |
| 32 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 847.55 | 11.91 | 10,094 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 1,695.09 | 24.24 | 41,089 |
| 33 | 23/26-b | Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects: -b) 4" i/d (100 mm) | Rft | 75.60 | 514.90 | 38,926 |
| | **26. MISCELLANEOUS** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Tuck Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 34 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 1,088.72 | 12.55 | 13,663 |
| | NS-1 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel.. | P.Sft | 950 | 2150 | 2,042,500 |
| | NS-2 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing. | P.Sft | 950 | 400 | 380,000 |
| | NS-3 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 950 | 450 | 427,500 |
| | - | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | - | - | 5,462,910 |
| | | **Total** | | | | 12,500,000 |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **12,500,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of the Tuck Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 7.50 | 7.00 | 1,443.75 | |
| | Footing | | 4 | 5.50 | 9.50 | 7.00 | 1,463.00 | |
| | | | | | **Add 5%** | **Total:** | **3,052.09** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 3,052.09 | | | **1,526.04** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 6.00 | 627.75 | |
| | | | | | **Add 5%** | **Total:** | **659.14** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 3.50 | 0.25 | 6.88 | |
| | Footing | | 4 | 5.50 | 5.50 | 0.25 | 30.25 | |
| | | | | | **Add 5%** | **Total:** | **38.98** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 0.33 | 34.53 | |
| | | | | | **Add 5%** | **Total:** | **36.25** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 0.17 | 17.79 | |
| | | | | | **Add 5%** | **Total:** | **18.68** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of the Tuck Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | 65% | 1 | 27.50 | 7.50 | 2.00 | 268.13 | |
| | Footing | 65% | 4 | 5.50 | 9.50 | 2.00 | 271.70 | |
| | | | | | **Add 5%** | **Total:** | **566.82** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | 35% | 1 | 27.50 | 7.50 | 2.00 | 144.38 | |
| | Footing | 35% | 4 | 5.50 | 9.50 | 2.00 | 146.30 | |
| | | | | | **Add 5%** | **Total:** | **305.21** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 3.00 | 0.67 | 18.43 | |
| | Footing | | 4 | 5.00 | 5.00 | 1.00 | 100.00 | |
| | | | | | **Add 5%** | **Total:** | **124.35** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 42.50 | 0.75 | 0.75 | 23.91 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 42.50 | 0.75 | 0.75 | 23.91 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 42.50 | 0.75 | 0.75 | 23.91 | |
| iv | **Plinth Columns** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of the Tuck Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | C-1 | | 4 | 1.00 | 1.00 | 9.75 | 39.00 | |
| | | | | | **Add 5%** | **Total** | **116.25** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 124.35 | 2.50 | Per Cft | 310.87 | |
| | Superstructural | | 1 | 116.25 | 4.50 | Per Cft | 523.15 | |
| | | | | | **Add 5%** | **Total** | **875.71** | Kg |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 42.50 | 1.88 | 0.50 | 39.84 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 1 | 42.50 | 1.50 | 0.50 | 31.88 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 1 | 42.50 | 1.13 | 0.50 | 23.91 | |
| | **4th Steps** | | | | | | | |
| | Long Wall A | | 1 | 42.50 | 0.75 | 7.75 | 247.03 | |
| | | | | | **Add 5%** | **Total:** | **359.79** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | Avg | | |
| | Shop | | 2 | 15.00 | 0.75 | 14.63 | 329.06 | |
| | | | 2 | 6.75 | 0.75 | 13.25 | 134.16 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 3.00 | 0.75 | 11.00 | (24.75) | |
| | W-1 | | -2 | 4.00 | 0.75 | 11.00 | (66.00) | |
| | W-2 | | -2 | 3.00 | 0.75 | 7.00 | (31.50) | |
| | | | | | **Add 5%** | **Total:** | **358.02** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 0.33 | 34.53 | |
| | | | | | **Add 5%** | **Total:** | **36.25** | **Cft** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of the Tuck Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 15 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | | 104.63 | |
| | | | | | **Add 5%** | **Total** | **109.86** | Sft |
| 16 | **Wall skirting** | | | | | | | |
| | Shop | | 2 | 15.50 | | 0.50 | 15.50 | |
| | Shop | | 2 | 6.75 | | 0.50 | 6.75 | |
| | | | | | **Add 5%** | **Total** | **23.36** | Sft |
| 17 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Shop | | 2 | 15.50 | | 14.63 | 453.38 | |
| | Shop | | 2 | 6.75 | | 13.25 | 178.88 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.00 | | 11.00 | (33.00) | |
| | W-1 | | -2 | 4.00 | | 11.00 | (88.00) | |
| | W-2 | | -2 | 3.00 | | 7.00 | (42.00) | |
| | | | | | **Add 5%** | **Total** | **492.71** | Sft |
| 18 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | | | 1 | 50.50 | Rft | 14.00 | 707.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.00 | | 11.00 | (33.00) | |
| | W-1 | | -2 | 4.00 | | 11.00 | (88.00) | |
| | W-2 | | -2 | 3.00 | | 7.00 | (42.00) | |
| | | | | | **Add 5%** | **Total** | **571.20** | Sft |
| 19 | **Distempering** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of the Tuck Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 492.71 | |
| | | | | | **Add 5%** | **Total** | **517.35** | Sft |
| 20 | **Sandstone** | | | | | | | |
| | duck Area wall | | 1 | 48.00 | | 3.00 | 144.00 | |
| | | | | | **Add 5%** | **Total** | **151.20** | Sft |
| 21a | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | 0.042 | 3.86 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | 0.042 | 4.20 | |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | 0.042 | 4.00 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | 0.042 | 0.86 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | 0.042 | 1.28 | |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | 0.042 | 6.80 | |
| | | | | | **Add 5%** | **Total:** | **22.05** | **Cft** |
| 21b | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | | 92.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | | 100.00 | |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | | 95.12 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | | 20.50 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | | 30.36 | |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | | 162.00 | |
| | | | | | **Add 5%** | **Total:** | **524.98** | **Sft** |
| 22 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-2 | | 1 | 3.00 | | 11.00 | 33.00 | |
| | | | | | **Add 5%** | **Total** | **34.65** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of the Tuck Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 23 | **MS/ GI Chowkat singel/double** | | | | | | | |
| | D-2 | | 1 | 3.00 | | 11.00 | 33.00 | |
| | | | | | **Add 5%** | **Total** | **34.65** | Sft |
| 24 | **Door Stops** | | | | | | | |
| | D-2 | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 25 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | D-2 | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 571.20 | |
| | | | | | **Add 5%** | **Total** | **599.76** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 2 | 4.00 | | 11.00 | 88.00 | |
| | W-2 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | **Add 5%** | **Total** | **136.50** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 136.50 | 50% | | 68.25 | |
| | | | | | **Add 5%** | **Total** | **71.66** | Sft |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 136.50 | | | 136.50 | |
| | | | | | **Add 5%** | **Total** | **143.33** | Sft |
| 30 | **Sandwich Panels** | | | | | | | |
| i | Roof Area | | 2 | 10.25 | 12.50 | | 256.25 | |
| | | | | | **Add 5%** | **Total** | **269.06** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of the Tuck Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 31 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | 0.042 | 3.86 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | 0.042 | 4.20 | Cft |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | 0.021 | 2.00 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | 0.021 | 0.43 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | 0.042 | 1.28 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | 0.042 | 6.80 | Cft |
| | M.S Base Plate 12"x12"x1/2" | 1 | 4 | 1.00 | 1.00 | 0.042 | 0.17 | Cft |
| | J Bolts 3/4" dia | 4 | 4 | 0.0031 | Area | 2.00 | 0.10 | Cft |
| | | | | | **Add 5%** | **Total** | **19.78** | Cft |
| | | | | **19.78** | Lbs Per cft | **490.00** | **9,691.77** | Lbs |
| | | | | | | **Total** | **4,397.36** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **4,837.09** | Kg |
| 32 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 269.06 | | | 538.13 | |
| | Framed structure, walls, pieces, purlins, cleats, Connection Assembly etc | | | 50% of All Quantities | | | 269.06 | |
| | | | | | **Add 5%** | **Total** | **847.55** | Sft |
| 33 | **PVC Rain water Pipe 4'' Dia** | | 6 | 12.00 | | | 72.00 | |
| | | | | | **Add 5%** | **Total:** | **75.60** | **Rft** |
| 34 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 3.50 | | 96.25 | |
| | Footing | | 4 | 5.50 | 5.50 | | 121.00 | |
| | **sides** | | | | | | | |
| | Footing Wall A | | 2 | 27.50 | | 5.00 | 275.00 | |
| | Footing Wall C | | 16 | 5.50 | | 5.00 | 440.00 | |
| | **Under Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | | 104.63 | |
| | | | | | **Add 5%** | **Total:** | **1,088.72** | **Sft** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**
**SUMMARY OF COST**

**Construction of Mini Village**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 25,030,000 | |
| | **Total Schedule Items** | **25,030,000** | **25,030,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of Mini Village**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 17,100.00 | 15.82 | 270,522.00 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 8,550.00 | 7.54 | 64,467.00 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 12,750.00 | 16.02 | 204,255.00 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 399.00 | 375.16 | 149,688.84 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 1,062.50 | 124.41 | 132,185.63 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 722.50 | 497.23 | 359,248.68 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 4,446.00 | 100.03 | 444,733.38 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 2,394.00 | 41.07 | 98,321.58 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of Mini Village**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 962.22 | 694.70 | 668,454.23 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 1,289.25 | 841.70 | 1,085,161.73 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 8,207.18 | 303.10 | 2,487,594.74 |
| 12 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 342.00 | 133.62 | 45,698.04 |
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 684.00 | 81.96 | 56,060.64 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of Mini Village**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **7. BRICK WORK** | | | | | |
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,539.00 | 370.56 | 570,291.84 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 3,595.50 | 392.61 | 1,411,629.26 |
| | **10. FLOORING** | | | | | |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,062.50 | 41.07 | 43,636.88 |
| 17 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 4,250.00 | 312.65 | 1,328,762.50 |
| 18 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 150.48 | 384.70 | 57,889.66 |
| | **11. SURFACE RENDERING** | | | | | |
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 4,560.00 | 46.18 | 210,580.80 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,760.00 | 62.00 | 171,120.00 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 4,560.00 | 3.93 | 17,920.80 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 4,560.00 | 8.76 | 39,945.60 |
| | | ii) two coats | P.Sft | 4,560.00 | 12.12 | 55,267.20 |
| | **12. WOOD WORK** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of Mini Village**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 22 | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 48.34 | 14,603.05 | 705,903.84 |
| 23 | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 1,150.94 | 74.32 | 85,537.86 |
| 24 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 73.50 | 950.00 | 69,825.00 |
| 25 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 73.50 | 756.75 | 55,621.13 |
| 26 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 3.00 | 178.30 | 534.90 |
| 27 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 3.00 | 4,400.25 | 13,200.75 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 28 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 2,760.00 | 47.26 | 130,437.60 |
| | | **ii) 2nd coat** | P.Sft | 2,760.00 | 26.52 | 73,195.20 |
| | **25. IRON WORK** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of Mini Village**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 29 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 37.50 | 1,306.55 | 48,995.63 |
| 30 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 18.75 | 542.80 | 10,177.50 |
| 31 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 37.50 | 1,191.85 | 44,694.38 |
| 32 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 4,250.00 | 1,648.65 | 7,006,762.50 |
| 33 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 15,225.12 | 388.93 | 5,921,507.84 |
| 34 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 12,750.00 | 11.91 | 151,852.50 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 25,500.00 | 24.24 | 618,120.00 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

## SUMMARY OF COST

### Construction of Mini Village

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **26. MISCELLANEOUS** | | | | | |
| 35 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 9,577.48 | 12.55 | 120,197.37 |
| | | | | | | |
| | | **Total for Each** | | | | **25,030,000** |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **25,030,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Mini Village**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 7.50 | 5.00 | 10,350.00 | |
| | Short Wall A | | 3 | 60.00 | 7.50 | 5.00 | 6,750.00 | |
| | | | | | | **Total:** | **17,100.00** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 17,100.00 | | | **8550.00** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Village | | 1 | 3,470.00 | Area | 3.00 | 10410.00 | |
| | Room | | 3 | 260.00 | Area | 3.00 | 2340.00 | |
| | | | | | | **Total:** | **12,750.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 3.50 | 0.25 | 241.50 | |
| | Short Wall A | | 3 | 60.00 | 3.50 | 0.25 | 157.50 | |
| | | | | | | **Total:** | **399.00** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Village | | 1 | 3,470.00 | Area | 0.25 | 867.50 | |
| | Room | | 3 | 260.00 | Area | 0.25 | 195.00 | |
| | | | | | | **Total:** | **1,062.50** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Village | | 1 | 3,470.00 | Area | 0.17 | 589.90 | |
| | Room | | 3 | 260.00 | Area | 0.17 | 132.60 | |
| | | | | | | **Total:** | **722.50** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Mini Village**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 65% | 1 | 276.00 | 7.50 | 2.00 | 2,691.00 | |
| | Short Wall A | 65% | 3 | 60.00 | 7.50 | 2.00 | 1,755.00 | |
| | | | | | | **Total:** | **4,446.00** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 35% | 1 | 276.00 | 7.50 | 2.00 | 1,449.00 | |
| | Short Wall A | 35% | 3 | 60.00 | 7.50 | 2.00 | 945.00 | |
| | | | | | | **Total:** | **2,394.00** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 3.50 | 0.67 | 647.22 | |
| | Short Wall A | | 3 | 60.00 | 3.50 | 0.50 | 315.00 | |
| | | | | | | **Total:** | **962.22** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 0.75 | 0.75 | 155.25 | |
| | Short Wall A | | 3 | 60.00 | 0.75 | 0.75 | 101.25 | |
| ii | **Lintel Band** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 0.75 | 0.75 | 155.25 | |
| | Short Wall A | | 3 | 60.00 | 0.75 | 0.75 | 101.25 | |
| iii | **Roof Band** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 0.75 | 0.75 | 155.25 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Mini Village**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Short Wall A | | 3 | 60.00 | 0.75 | 0.75 | 101.25 | |
| iv | **Pedestal** | | | | | | | |
| | P-1 | | 28 | 1.50 | 1.50 | 8.25 | 519.75 | |
| | | | | | | **Total** | **1,289.25** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 962.22 | 2.50 | Per Cft | 2,405.55 | |
| | Superstructural | | 1 | 1,289.25 | 4.50 | Per Cft | 5,801.63 | |
| | | | | | | **Total** | **8,207.18** | Kg |
| 12 | **Horizontal DPC** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 0.75 | | 207.00 | |
| | Short Wall A | | 3 | 60.00 | 0.75 | | 135.00 | |
| | | | | | | **Total:** | **342.00** | Sft |
| 13 | **Vertical DPC** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | | 1.50 | 414.00 | |
| | Short Wall A | | 3 | 60.00 | | 1.50 | 270.00 | |
| | | | | | | **Total:** | **684.00** | Sft |
| 14 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 1.50 | 0.50 | 414.00 | |
| | Short Wall A | | 3 | 60.00 | 1.50 | 0.50 | 270.00 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 1.13 | 0.50 | 310.50 | |
| | Short Wall A | | 3 | 60.00 | 1.13 | 0.50 | 202.50 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 0.75 | 6.50 | 207.00 | |
| | Short Wall A | | 3 | 60.00 | 0.75 | 6.50 | 135.00 | |
| | | | | | | **Total:** | **1,539.00** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Mini Village**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 15 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 0.75 | 10.00 | 2,070.00 | |
| | Short Wall A | | 3 | 60.00 | 0.75 | 12.00 | 1,620.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -3 | 3.50 | 0.75 | 7.00 | (55.13) | |
| | W-1 | | -3 | 5.00 | 0.38 | 7.00 | (39.38) | |
| | | | | | | **Total:** | **3,595.50** | Cft |
| 16 | **Sand filling** | | | | | | | |
| | Village | | 1 | 3,470.00 | Area | 0.25 | 867.50 | |
| | Room | | 3 | 260.00 | Area | 0.25 | 195.00 | |
| | | | | | | **Total:** | **1,062.50** | **Cft** |
| 17 | **Superb Quality Ceramic tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Village | | 1 | 3,470.00 | Area | | 3470.00 | |
| | Room | | 3 | 260.00 | Area | | 780.00 | |
| | | | | | | **Total** | **4,250.00** | Sft |
| 18 | **Wall skirting/dado** | | | | | | | |
| | Village | | 1 | 276.00 | | 0.33 | 91.08 | |
| | Room | | 3 | 60.00 | | 0.33 | 59.40 | |
| | | | | | | **Total** | **150.48** | Sft |
| 19 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | avg | | |
| | Village | | 1 | 276.00 | | 10.00 | 2760.00 | |
| | Room | | 3 | 60.00 | | 10.00 | 1800.00 | |
| | | | | | | **Total** | **4,560.00** | Sft |
| 20 | **External Wall Plaster** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Mini Village**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | Long Wall A | | 1 | 276.00 | Rft | 10.00 | 2,760.00 | |
| | | | | | | **Total** | **2,760.00** | Sft |
| 21 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 4,560.00 | |
| | | | | | | **Total** | **4,560.00** | Sft |
| 22 | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | |
| | Columns Box 9"x9"x1/2" | 1 | 28 | 9.00 | 3.00 | 0.04 | 31.75 | |
| | | | | | | **Total:** | **48.34** | **Cft** |
| 23 | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | | 394.94 | |
| | Columns Box 9"x9"x1/2" | 1 | 28 | 9.00 | 3.00 | | 756.00 | |
| | | | | | | **Total:** | **1,150.94** | **Sft** |
| 24 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 3 | 3.50 | | 7.00 | 73.50 | |
| | | | | | | **Total** | **73.50** | Sft |
| 25 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 3 | 3.50 | | 7.00 | 73.50 | |
| | | | | | | **Total** | **73.50** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Mini Village**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 26 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 3 | | | | 3.00 | |
| | | | | | | **Total** | **3.00** | **No** |
| 27 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 3 | | | | 3.00 | |
| | | | | | | **Total** | **3.00** | **No** |
| 28 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 2,760.00 | |
| | | | | | | **Total** | **2,760.00** | Sft |
| 29 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 3 | 5.00 | | 2.50 | 37.50 | |
| | | | | | | **Total** | **37.50** | Sft |
| 30 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 37.50 | 50% | | 18.75 | |
| | | | | | | **Total** | **18.75** | Sft |
| 31 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 37.50 | | | 37.50 | |
| | | | | | | **Total** | **37.50** | Sft |
| 32 | **Sandwich Panels** | | | | | | | |
| | Village | | 1 | 3,470.00 | Area | | 3470.00 | |
| | Room | | 3 | 260.00 | Area | | 780.00 | |
| | | | | | | **Total** | **4,250.00** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Mini Village**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 33 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 8 | 54.25 | 1.00 | 0.02 | 9.11 | Cft |
| | Cleat Angle 1 1/2"x1 1/2:x1/4" | 1 | 8 | 54.25 | 0.25 | 0.02 | 2.28 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 28 | 9.00 | 3.00 | 0.04 | 31.75 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 28 | 1.25 | 1.25 | 0.04 | 1.84 | Cft |
| | J Bolts 3/4" dia | 4 | 28 | 0.0031 | Area | 2.00 | 0.69 | Cft |
| | | | | | | **Total** | **62.26** | Cft |
| | | | | **62.26** | Lbs Per cft | **490.00** | **30,505.61** | Lbs |
| | | | | | | **Total** | **13,841.02** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **15,225.12** | Kg |
| 34 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 4,250.00 | | | 8,500.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 4250.00 | |
| | | | | | | **Total** | **12,750.00** | Sft |
| 35 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Long Wall A | | 1 | 276.00 | 3.50 | | 966.00 | |
| | Short Wall A | | 3 | 60.00 | 3.50 | | 630.00 | |
| | **sides** | | | | | | | |
| | Long Wall A | | 2 | 276.00 | | 3.00 | 1,656.00 | |
| | Short Wall A | | 6 | 60.00 | | 3.00 | 1,080.00 | |
| | **Under Floor** | | | | | | | |
| | Village | | 1 | 3,470.00 | Area | | 3470.00 | |
| | Room | | 7 | 253.64 | Area | | 1775.48 | |
| | | | | | | **Total:** | **9,577.48** | **Sft** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN RESTAURANT**

**SUMMARY OF COST**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **Schedule items** | | | |
| 1 | CIVIL WORK | 82,460,000 | |
| | **Grand.Total** | **82,460,000** | **82,460,000** |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## MAIN RESTAURANT

## CIVIL WORK

### MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual. ii) in ordinary soil. | P.Cft | 22,205.92 | 15.82 | 351,297.65 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 8,882.37 | 7.54 | 66,973.05 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | (7,302.30) | 16.02 | (116,982.85) |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 404.75 | 375.16 | 151,846.01 |
| | | Ground Floor | P.Cft | 843.48 | 375.16 | 316,439.96 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 843.48 | 124.41 | 104,937.35 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 434.52 | 497.23 | 216,056.38 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 7,542.57 | 100.03 | 754,483.28 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 4,061.38 | 41.07 | 166,800.88 |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## MAIN RESTAURANT

## CIVIL WORK

### MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a)(i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 625.35 | 694.70 | 434,430.65 |
| 10 | 6/6 ai 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 2,581.11 | 841.70 | 2,172,522.92 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 13,803.73 | 303.10 | 4,183,911.79 |
| 12 | 6/367aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 147.00 | 133.62 | 19,642.14 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 106.50 | 81.96 | 8,728.74 |
| | **7. BRICK WORK** | | | | | |
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 2,628.97 | 370.56 | 974,191.12 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 892.50 | 392.61 | 350,404.43 |
| | **10. FLOORING** | | | | | |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,033.56 | 41.07 | 42,448.31 |
| 17 | 10/16 c | Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (i) 3"(75 mm) thick | P.Sft | 1,114.02 | 166.54 | 185,528.89 |
| 18 | 10- 23-a | 1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete,including rubbing and polishing complete with finishing :<br>-(a) using grey cement | Sft | 916.00 | 298.76 | 273,664.16 |
| 19 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.**( Wooden Texture Tile)** | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 3,132.00 | 450.10 | 1,409,713.20 |
| 20 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. **( Wooden Texture Tile)** | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 83.25 | 451.50 | 37,587.38 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 21 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 848.25 | 1,233.15 | 1,046,019.49 |
| | **11. SURFACE RENDERING** | | | | | |
| 22 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,608.75 | 46.18 | 74,292.08 |
| 23 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 850.00 | 62.00 | 52,700.00 |
| 24 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 1,608.75 | 3.93 | 6,322.39 |
| 25 | 11/23 a | Distempering:- a) new surface:- i) one coat | P.Sft | 1,608.75 | 8.76 | 14,092.65 |
| | | ii) two coats | P.Sft | 1,608.75 | 12.12 | 19,498.05 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: **i) 1st coat** | P.Sft | 850.00 | 47.26 | 40,171.00 |
| | | **ii) 2nd coat** | P.Sft | 850.00 | 26.52 | 22,542.00 |
| 27 | 9/13 b | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- b) 22 BWG | | | | |
| | a) | 20 BWG | P.Sft | 3,510.00 | 481.97 | 1,691,714.70 |
| 28 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 54,465.56 | 388.93 | 21,183,288.90 |
| 29 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 10,530.00 | 11.91 | 125,412.30 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 21,060.00 | 24.24 | 510,494.40 |
| | **26. MISCELLANEOUS** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 30 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 22,924.64 | 12.55 | 287,704.18 |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## MAIN RESTAURANT

## CIVIL WORK

### MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| **Non-schedule items** | | | | | | |
| 1 | NS-1 | Providing & Fixing of Sand which Panel with insulation complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 4,826.00 | 742.50 | 3,583,305.00 |
| 2 | NS-2 | Providing & Fixing of Pvc Panel with sheet to pasted complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 12,162.05 | 776.25 | 9,440,789.76 |
| 3 | NS-3 | Providening & fixing of Wooden Cladding complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 4,826.00 | 965.00 | 4,657,090.00 |
| 4 | NS-4 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" | P.Sft | 1650 | 2150 | 3,547,500.00 |
| 5 | NS-5 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic | P.Sft | 1600 | 400 | 640,000.00 |
| 6 | NS-6 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 1800 | 450 | 810,000.00 |
| 7 | - | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | - | - | 15,000,000.00 |
| | | **NON-SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **7,602,437.67** |
| | | | | | **Grand Total** | **82,460,000.00** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Section A-A | | 1 | 320.00 | 7.50 | 5.00 | 12,000.00 | |
| | Toe Wall | | 1 | 51.00 | 6.00 | 3.00 | 918.00 | |
| | Planter | | 2 | 43.00 | 6.00 | 3.00 | 1,548.00 | |
| | Planter | | 1 | 112.50 | 6.00 | 3.00 | 2,025.00 | |
| | Plinth Protection | | | | | | - | |
| | Out Side | | 1 | 371.34 | 5.13 | 3.00 | 5,714.92 | |
| | | | | | | **Total:** | **22,205.92** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 40% | 22,205.92 | | | **8,882.37** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 48.00 | 30.00 | 3.50 | 5,040.00 | |
| | Planter | | 2 | 10.50 | 5.00 | 2.50 | 262.50 | |
| | Planter | | 1 | 287.50 | Sft | 2.50 | 718.75 | |
| | | | -60% | 22,205.92 | | | (13,323.55) | |
| | | | | | | **Total:** | **(7,302.30)** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Section A-A | | 1 | 320.00 | 3.50 | 0.25 | 280.00 | |
| | Toe Wall | | 1 | 51.00 | 2.00 | 0.25 | 25.50 | |
| | Planter | | 2 | 43.00 | 2.00 | 0.25 | 43.00 | |
| | Planter | | 1 | 112.50 | 2.00 | 0.25 | 56.25 | |
| | | | | | | **Total:** | **404.75** | Cft |
| 5 | **Brick or Stone Ballast 1½ " to 2" (40 mm to 50 mm in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 371.34 | 5.13 | 0.25 | 476.24 | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total:** | **476.24** | Cft |
| 6 | **P.C.C 1:4:8** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 48.00 | 53.25 | 0.33 | 843.48 | |
| | | | | | | **Total:** | **843.48** | Cft |
| 7 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 48.00 | 53.25 | 0.17 | 434.52 | |
| | | | | | | **Total:** | **434.52** | Cft |
| 8 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Section A-A | 65% | 1 | 320.00 | 7.50 | 2.00 | 3,120.00 | |
| | Toe Wall | 65% | 1 | 51.00 | 6.00 | 2.00 | 397.80 | |
| | Planter | 65% | 2 | 43.00 | 6.00 | 2.00 | 670.80 | |
| | Planter | 65% | 1 | 112.50 | 6.00 | 2.00 | 877.50 | |
| | Plinth Protection | | | | | | - | |
| | Out Side | 65% | 1 | 371.34 | 5.13 | 2.00 | 2,476.47 | |
| | | | | | | **Total:** | **7,542.57** | Cft |
| 9 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Section A-A | 35% | 1 | 320.00 | 7.50 | 2.00 | 1,680.00 | |
| | Toe Wall | 35% | 1 | 51.00 | 6.00 | 2.00 | 214.20 | |
| | Planter | 35% | 2 | 43.00 | 6.00 | 2.00 | 361.20 | |
| | Planter | 35% | 1 | 112.50 | 6.00 | 2.00 | 472.50 | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | |
| | **MAIN RESTAURANT** | | | | | | | |
| | **MEASURMENT SHEETS** | | | | | | | |
| | **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| | Plinth Protection | | | | | | - | |
| | Out Side | 35% | 1 | 371.34 | 5.13 | 2.00 | 1,333.48 | |
| | | | | | | **Total:** | **4,061.38** | Cft |
| 10 | **R.C.C. in Raft foundation** | | | | | | | |
| | Section A-A | | 1 | 320.00 | 5.50 | 0.33 | 580.80 | |
| | Section B-B | | 2 | 27.00 | 2.50 | 0.33 | 44.55 | |
| | | | | | | **Total:** | **625.35** | Cft |
| 11 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1 | | 14 | 3.50 | 2.17 | 8.25 | 877.22 | |
| ii | **Plinth Bemas** | | | | | | | |
| | | | 2 | 184.00 | 1.50 | 1.75 | 966.00 | |
| | | | 4 | 47.75 | 1.50 | 1.75 | 501.38 | |
| iii | **Roof Bemas** | | | | | | | |
| | B-1 | | 2 | 26.00 | 1.25 | 1.50 | 97.50 | |
| | CB-1 | | 1 | 30.75 | 0.75 | 0.25 | 5.77 | |
| iv | **Ground Floor Door Window Lintel** | | | | | | | |
| | D-2 | | 12 | 6.50 | 0.75 | 0.75 | 43.88 | |
| | D-3 | | 2 | 4.50 | 0.75 | 0.75 | 5.06 | |
| | D-4 | | 4 | 4.50 | 0.75 | 0.75 | 10.13 | |
| | D-5 | | 12 | 4.00 | 0.50 | 0.50 | 12.00 | |
| | D-6 | | 2 | 4.00 | 0.50 | 0.50 | 2.00 | |
| | W-1 | | 6 | 5.50 | 0.75 | 0.75 | 18.56 | |
| | W-2 | | 4 | 5.50 | 0.75 | 0.75 | 12.38 | |
| | W-3 | | 4 | 5.50 | 0.75 | 0.75 | 12.38 | |
| | W-4 | | 2 | 8.50 | 0.75 | 0.75 | 9.56 | |
| | W-5 | | 2 | 6.50 | 0.75 | 0.75 | 7.31 | |
| | | | | | | **Total** | **2,581.11** | Cft |
| 12 | **Reinforcement** | | | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | RCC Footing | | 1 | 625.35 | 3.50 | Per Cft | 2,188.73 | |
| | Superstructural | | 1 | 2,581.11 | 4.50 | Per Cft | 11,615.01 | |
| | | | | | | **Total** | **13,803.73** | Kg |
| 13 | **Horizontal DPC** | | | | | | | |
| | Section B-B | | 4 | 27.00 | 0.75 | | 81.00 | |
| | Section B-B | | 2 | 17.00 | 0.75 | | 25.50 | |
| | Section C-C | | 2 | 27.00 | 0.75 | | 40.50 | |
| | | | | | | **Total:** | **147.00** | Sft |
| 14 | **Vertical DPC** | | | | | | | |
| | Section B-B | | 2 | 27.00 | | 1.50 | 81.00 | |
| | Section B-B | | 1 | 17.00 | | 1.50 | 25.50 | |
| | | | | | | **Total:** | **106.50** | Sft |
| 15 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Section A-A | | 2 | 70.00 | 2.25 | 0.50 | 157.50 | |
| | Section B-B | | 2 | 41.00 | 1.88 | 0.50 | 77.08 | |
| | **2nd Steps** | | | | | | | |
| | Section A-A | | 2 | 70.00 | 1.88 | 0.50 | 131.25 | |
| | Section B-B | | 2 | 41.00 | 1.50 | 0.50 | 61.50 | |
| | **3rd Steps** | | | | | | | |
| | Section A-A | | 2 | 70.00 | 1.50 | 4.50 | 945.00 | |
| | Section B-B | | 2 | 41.00 | 1.13 | 0.50 | 46.13 | |
| | **4th Steps** | | | | | | | |
| | Section B-B | | 2 | 41.00 | 0.75 | 4.00 | 246.00 | |
| | Section B-B | | 1 | 17.00 | 0.75 | 4.00 | 51.00 | |
| | Entrance Steps | | | | | | | |
| | 1st Steps | | 1 | 26.00 | 3.00 | 0.50 | 39.00 | |
| | 2nd Steps | | 1 | 26.00 | 2.00 | 0.50 | 26.00 | |
| | 3rd steps | | 1 | 26.00 | 1.00 | 0.50 | 13.00 | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | |
| | **MAIN RESTAURANT** | | | | | | | |
| | **MEASURMENT SHEETS** | | | | | | | |
| | **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 371.34 | 1.13 | 0.50 | 208.88 | |
| | Out Side | | 1 | 371.34 | 0.75 | 2.25 | 626.64 | |
| | | | | | | **Total:** | **2,628.97** | Cft |
| 16 | **Brick masonry in super structure** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Section A-A | | 2 | 85.00 | 1.50 | 3.50 | 892.50 | |
| | | | | | | **Total:** | **892.50** | Cft |
| 17 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 48.00 | 53.25 | 0.33 | 843.48 | |
| | Duck Area | | 1 | 48.00 | 12.00 | 0.33 | 190.08 | |
| | | | | | | **Total:** | **1,033.56** | **Cft** |
| 18 | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 371.34 | 3.00 | | 1,114.02 | |
| | | | | | | **Total:** | **1,114.02** | **Sft** |
| 19 | **Mozaic flooring** | | | | | | | |
| | Planter | | 2 | 10.50 | 5.00 | | 105.00 | |
| | Planter | | 1 | 287.50 | Sft | | 287.50 | |
| | Planter walls | | 4 | 10.50 | | 3.00 | 126.00 | |
| | | | 4 | 5.00 | | 3.00 | 60.00 | |
| | Planter walls | | 1 | 112.50 | | 3.00 | 337.50 | |
| | | | | | | **Total:** | **916.00** | Sft |
| 20 | **Porcelain (Wooden Texture Tile)** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 48.00 | 53.25 | | 2,556.00 | |
| | Duck Area | | 1 | 48.00 | 12.00 | | 576.00 | |
| | | | | | | **Total** | **3,132.00** | Sft |
| 21 | **Wall skirting** | | | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Sitting Hall | | 1 | 48.00 | | 0.50 | 24.00 | |
| | | | 2 | 53.25 | | 0.50 | 53.25 | |
| | Duck Area | | 1 | 12.00 | | 0.50 | 6.00 | |
| | | | | | | **Total** | **83.25** | Sft |
| 22 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | 1st Treads | | 1 | 26.00 | 1.00 | | 26.00 | |
| | 2nd Treads | | 1 | 26.00 | 1.00 | | 26.00 | |
| | 1st Riser | | 1 | 26.00 | | 0.50 | 13.00 | |
| | 2nd Riser | | 1 | 26.00 | | 0.50 | 13.00 | |
| | 3rd Riser | | 1 | 26.00 | | 0.50 | 13.00 | |
| | **Stair Steps** | | | | | | | |
| | Treads | | 20 | 5.00 | 1.00 | | 100.00 | |
| | Risers | | 20 | 5.00 | | 0.50 | 50.00 | |
| | **Window Sills** | | | | | | | |
| | W-1 | | 6 | 4.00 | 1.00 | | 24.00 | |
| | W-2 | | 4 | 4.00 | 1.00 | | 16.00 | |
| | W-3 | | 4 | 4.00 | 1.00 | | 16.00 | |
| | W-4 | | 2 | 7.00 | 1.00 | | 14.00 | |
| | W-5 | | 6 | 5.00 | 1.00 | | 30.00 | |
| | Vanity shelf | | 1 | 12.00 | 2.00 | | 24.00 | |
| | Vanity shelf | | 1 | 7.38 | 2.00 | | 14.75 | |
| | Kitchen shelf | | 2 | 24.13 | 2.00 | | 96.50 | |
| | Kitchen shelf | | 2 | 93.00 | 2.00 | | 372.00 | |
| | | | | | | **Total** | **848.25** | Sft |
| 23 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 2 | 48.00 | | 12.00 | 1,152.00 | |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | 2 | 53.25 | | 3.50 | 372.75 | |
| | Duck Area | | 2 | 12.00 | | 3.50 | 84.00 | |
| | | | | | | **Total** | **1,608.75** | Sft |
| 24 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 2 | 85.00 | | 5.00 | 850.00 | |
| | | | | | | **Total** | **850.00** | Sft |
| 25 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 1,608.75 | |
| | | | | | | **Total** | **1,608.75** | Sft |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 850.00 | |
| | | | | | | **Total** | **850.00** | Sft |
| 27 | **Corrugated galvanized iron sheets** | | | | | | | |
| i | Sheet Area front Side | | 2 | 62.00 | 20.00 | | 2,480.00 | |
| | | | 2 | 16.00 | 12.00 | | 384.00 | |
| | Gutter | | 2 | 60.00 | 4.25 | | 510.00 | |
| | Gutter | | 2 | 16.00 | 4.25 | | 136.00 | |
| | | | | | | **Total** | **3,510.00** | Sft |
| 28 | **Fabrication of heavy steel work** | | | | | | | |
| | MS Rafter center side | 8 | 1 | 30.00 | 0.025 | 1.48 | 8.86 | Cft |
| | MS Rafter Top & Bottom side | 8 | 2 | 30.00 | 0.50 | 0.035 | 8.48 | Cft |
| | Girder | 4 | 1 | 85.00 | 0.025 | 0.99 | 8.28 | Cft |
| | Gider Top & Bottom side | 4 | 2 | 85.00 | 0.67 | 0.043 | 19.47 | Cft |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Girder | 4 | 1 | 12.00 | 0.025 | 0.99 | 1.17 | Cft |
| | Gider Top & Bottom side | 4 | 2 | 12.00 | 0.67 | 0.043 | 2.75 | Cft |
| | Girder | 4 | 1 | 73.00 | 0.025 | 0.99 | 7.11 | Cft |
| | Gider Top & Bottom side | 4 | 2 | 73.00 | 0.67 | 0.043 | 16.72 | Cft |
| | Girder | 10 | 1 | 51.00 | 0.025 | 0.99 | 12.63 | Cft |
| | Gider Top & Bottom side | 10 | 2 | 51.00 | 0.67 | 0.043 | 29.20 | Cft |
| | Channel Purlin center side | 1 | 26 | 73.00 | 0.666 | 0.02 | 23.23 | Cft |
| | Channel Purlin top & bottom side | 2 | 26 | 73.00 | 0.19 | 0.032 | 23.06 | Cft |
| | Channel Purlin center side hight | 1 | 26 | 12.00 | 0.666 | 0.02 | 3.82 | Cft |
| | Channel Purlin top & bottom side hight | 2 | 26 | 12.00 | 0.19 | 0.032 | 3.79 | Cft |
| | M.S Base plate 2.67'*/2.16' , 1.5 inch thick C-1 | 1 | 24 | 2.67 | 2.16 | 0.13 | 17.30 | Cft |
| | M.S Base plate 1.16'*1.67' , 1 inch thick C-2 | 1 | 20 | 1.67 | 1.16 | 0.08 | 3.23 | Cft |
| | Columns 18*35 size | 1 | 24 | 6.50 | 0.025 | 1.48 | 5.76 | Cft |
| | Gider sides | 2 | 24 | 6.50 | 0.50 | 0.035 | 5.51 | Cft |
| | Columns 12*40 size | 1 | 20 | 8.50 | 0.025 | 0.99 | 4.14 | Cft |
| | Gider sides | 2 | 20 | 8.50 | 0.67 | 0.043 | 9.73 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 2 | 15 | 12.00 | 0.25 | 0.0208 | 1.88 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 2 | 4 | 60.00 | 0.25 | 0.0208 | 2.50 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 2 | 14 | 73.00 | 0.25 | 0.0208 | 10.65 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 2 | 19 | 51.00 | 0.25 | 0.0208 | 10.09 | Cft |
| | walls | | | | | | | |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C in walls | 3 | 2 | 85.00 | 0.25 | 0.0208 | 2.66 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @3"*6' 1/8" C/C in walls | 1 | 2 | 85.00 | 0.08 | 0.0104 | 0.15 | Cft |
| | | | | | | **Total** | **242.16** | Cft |
| | | | | **242.16** | Lbs Per cft | **490.00** | **118,656.09** | Lbs |
| | | | | | | **Total** | **53,836.70** | Kg |
| | **Plain Rowel Bolt in Columns** | | 44 | 6.00 | | 3.50 | 924.00 | Rft |

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | unit weight 1 inch dia | | | 924.00 | Kg Per Rft weight | 0.68 | 628.86 | Kg |
| | | | | | | **Total** | **628.86** | Kg |
| | | | | | | **Total** | **54,465.56** | Kg |
| 29 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 3,510.00 | | | 7,020.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 3510.00 | |
| | | | | | | **Total** | **10,530.00** | Sft |
| 30 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | F-1 | | 24 | 10.50 | 8.50 | | 2,142.00 | |
| | F-2 | | 20 | 7.50 | 7.50 | | 1,125.00 | |
| | Section A-A | | 2 | 45.00 | 3.50 | | 315.00 | |
| | Section B-B | | 2 | 27.00 | 3.00 | | 162.00 | |
| | Section B-B | | 1 | 17.00 | 3.00 | | 51.00 | |
| | Section C-C | | 2 | 27.00 | 3.00 | | 162.00 | |
| | Section C-C | | 2 | 55.63 | 3.00 | | 333.75 | |
| | Section C-C | | 1 | 70.00 | 3.00 | | 210.00 | |
| | Section D-D | | 2 | 43.00 | 3.00 | | 258.00 | |
| | Section E-E | | 1 | 70.50 | 4.00 | | 282.00 | |
| | Section F-F | | 1 | 77.25 | 4.00 | | 309.00 | |
| | Section G-G | | 2 | 45.00 | 3.50 | | 315.00 | |
| | Toe Wall | | 1 | 51.00 | 2.00 | | 102.00 | |
| | Planter | | 2 | 43.00 | 2.00 | | 172.00 | |
| | Planter | | 1 | 112.50 | 2.00 | | 225.00 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 371.34 | 1.13 | | 417.76 | |
| | **sides** | | | | | | | |
| | F-1 | | 48 | 10.50 | | 3.00 | 1,512.00 | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**MAIN RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | 48 | 8.50 | | 3.00 | 1,224.00 | |
| | F-2 | | 80 | 7.50 | | 3.00 | 1,800.00 | |
| | Section A-A | | 4 | 45.00 | | 3.00 | 540.00 | |
| | Section B-B | | 4 | 27.00 | | 3.00 | 324.00 | |
| | Section B-B | | 2 | 17.00 | | 3.00 | 102.00 | |
| | Section C-C | | 4 | 27.00 | | 3.00 | 324.00 | |
| | Section C-C | | 4 | 55.63 | | 3.00 | 667.50 | |
| | Section C-C | | 2 | 70.00 | | 3.00 | 420.00 | |
| | Section D-D | | 4 | 43.00 | | 3.00 | 516.00 | |
| | Section E-E | | 2 | 70.50 | | 1.00 | 141.00 | |
| | Section F-F | | 2 | 77.25 | | 3.00 | 463.50 | |
| | Section G-G | | 4 | 45.00 | | 3.00 | 540.00 | |
| | Toe Wall | | 2 | 51.00 | | 1.00 | 102.00 | |
| | Planter | | 4 | 43.00 | | 1.00 | 172.00 | |
| | Planter | | 2 | 112.50 | | 1.00 | 225.00 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 2 | 371.34 | | 1.00 | 742.68 | |
| | **Under Floor** | | | | | | | |
| | Sitting Hall | | 1 | 48.00 | 53.25 | | 2,556.00 | |
| | Duck Area | | 1 | 48.00 | 12.00 | | 576.00 | |
| | Kitchen | | 1 | 10.25 | 6.13 | | 62.78 | |
| | Kitchen | | 1 | 8.00 | 18.13 | | 145.00 | |
| | Store | | 1 | 10.25 | 11.25 | | 115.31 | |
| | Male Toilet | | 1 | 8.00 | 18.13 | | 145.00 | |
| | W.C | | 5 | 5.00 | 3.50 | | 87.50 | |
| | Female Toilet | | 1 | 7.38 | 6.63 | | 48.89 | |
| | W.C | | 2 | 3.50 | 5.00 | | 35.00 | |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | | 108.75 | |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | | 43.71 | |
| | Kitchen | | 2 | 29.00 | 24.50 | | 1,421.00 | |

| ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MAIN RESTAURANT | | | | | | | | |
| MEASURMENT SHEETS | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| | Lobby | | 1 | 48.00 | 8.00 | | 384.00 | |
| | Stair Hall | | 1 | 29.00 | 14.00 | | 406.00 | |
| | Planter | | 2 | 10.50 | 5.00 | | 105.00 | |
| | Planter | | 1 | 287.50 | Sft | | 287.50 | |
| | | | | | | **Total:** | **22,924.64** | **Sft** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## Rest Rooms near Fountain Area (6+6) Block

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 16,250,000 | |
| | **Net Total** | **16,250,000** | **16,250,000** |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 11,980.04 | 15.82 | 189,524 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 5,990.02 | 7.54 | 45,165 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 5,852.70 | 16.02 | 93,760 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 336.85 | 375.16 | 126,374 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 339.83 | 124.41 | 42,278 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 175.06 | 497.23 | 87,047 |
| | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 2,966.49 | 100.03 | 296,738 |
| | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,597.34 | 41.07 | 65,603 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 866.62 | 694.70 | 602,041 |
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 545.77 | 841.70 | 459,370 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 4,853.62 | 303.10 | 1,471,132 |
| 10 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 63.79 | 133.62 | 8,523 |
| 11 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 127.58 | 81.96 | 10,456 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 669.18 | 370.56 | 247,971 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 924.18 | 392.61 | 362,842 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 339.83 | 41.07 | 13,957 |
| 15 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 759.28 | 312.65 | 237,389 |
| 16 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 2,099.75 | 384.70 | 807,773 |
| 17 | 10/46-c(i) | Providing and laying superb quality Porcelain glazed tiles **flooring** of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the jointsi/ccutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequred Tiles (i) 300mmx300 mm | P.Sft | 113.40 | 272.45 | 30,896 |
| 18 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 233.63 | 1,233.15 | 288,095 |
| | **11. SURFACE RENDERING** | | | | | |

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Rest Rooms near Fountain Area (6+6) Block

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,347.02 | 46.18 | 108,386 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,512.00 | 62.00 | 93,744 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 2,464.37 | 3.93 | 9,685 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 2,464.37 | 8.76 | 21,588 |
| | | ii) two coats | P.Sft | 2,464.37 | 12.12 | 29,868 |
| | **12. WOOD WORK** | | | | | |
| 21a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 34.09 | 14,603.05 | 497,769 |
| 21b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 811.59 | 74.32 | 60,317 |
| 22 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 80.85 | 950.00 | 76,808 |
| 23 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 80.85 | 756.75 | 61,183 |
| 24 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 25 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 2.00 | 4,400.25 | 8,801 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,587.60 | 47.26 | 75,030 |
| | | **ii) 2nd coat** | P.Sft | 1,587.60 | 26.52 | 42,103 |
| | **25. IRON WORK** | | | | | |
| 27 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 110.25 | 1,306.55 | 144,047 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 57.88 | 542.80 | 31,418 |
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 115.76 | 1,191.85 | 137,972 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 30 | 25/64 | Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge. | P.Rft | 25.20 | 3,346.10 | 84,322 |
| 31 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,410.50 | 1,648.65 | 2,325,421 |
| 33 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4,231.50 | 11.91 | 50,397 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 8,463.00 | 24.24 | 205,143 |
| | **26. MISCELLANEOUS** | | | | | |
| 34 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,710.25 | 12.55 | 46,564 |
| | | **Non-Schedule** | | | | |
| 36 | NS-2 | Providing and fixing 2" thick WPC (wood plastic composite) solid door enviroment friendly complete in all respect as approved by Engineer Incharge. | P.Sft | 750.00 | 1,750.00 | 1,312,500 |
| 37 | NS-3 | Providing and fixing wood plastic composite WPC architrave 3" x (3/4" tapered to ¼") all along the door frame complete in all respect. | P.Sft | 35.00 | 350.00 | 12,250 |

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Rest Rooms near Fountain Area (6+6) Block

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | NS-4 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel.. | P.Sft | 1250 | 2150 | 2,687,500 |
| | NS-5 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing. | P.Sft | 1250 | 400 | 500,000 |
| | NS-6 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 1250 | 450 | 562,500 |
| | NS-7 | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | **-** | **-** | 1,577,395 |
| | | **ESTIMATED AMOUNT POST FOR NON SCHEFULE AND POST DESIGN** | | | | |
| | | **Total** | | | | 16,250,000 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 9.50 | 5.25 | 2,743.13 | |
| | Short Wall A | | 3 | 10.50 | 9.50 | 5.25 | 1,571.06 | |
| | Long Wall B | | 1 | 55.00 | 15.00 | 5.25 | 4,331.25 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 6.50 | 5.25 | 1,876.88 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 6.50 | 5.25 | 887.25 | |
| | | | | | **Add 5%** | **Total:** | **11,980.04** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 11,980.04 | | | **5990.02** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 6.00 | 2376.00 | |
| | W.C | | 10 | 3.50 | 6.25 | 6.00 | 1312.50 | |
| | W.C | | 2 | 8.67 | 6.25 | 6.00 | 650.25 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 3.00 | 310.50 | |
| | Podium | | 2 | 17.13 | 4.50 | 6.00 | 924.75 | |
| | | | | | **Add 5%** | **Total:** | **5,852.70** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 5.50 | 0.25 | 75.63 | |
| | Short Wall A | | 3 | 10.50 | 5.50 | 0.25 | 43.31 | |
| | Long Wall B | | 1 | 55.00 | 11.00 | 0.25 | 151.25 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 2.50 | 0.25 | 34.38 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 2.50 | 0.25 | 16.25 | |
| | | | | | **Add 5%** | **Total:** | **336.85** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.33 | 130.68 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W.C | | 10 | 3.50 | 6.25 | 0.33 | 72.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.33 | 34.16 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.33 | 50.86 | |
| | | | | | **Add 5%** | **Total:** | **339.83** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.17 | 67.32 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.17 | 37.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.17 | 18.42 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.17 | 17.60 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.17 | 26.20 | |
| | | | | | **Add 5%** | **Total:** | **175.06** | Cft |
| 1 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 65% | 1 | 55.00 | 9.50 | 2.00 | 679.25 | |
| | Short Wall A | 65% | 3 | 10.50 | 9.50 | 2.00 | 389.03 | |
| | Long Wall B | 65% | 1 | 55.00 | 15.00 | 2.00 | 1,072.50 | |
| | 4 1/2" thick Wall Footing | 65% | 1 | 55.00 | 6.50 | 2.00 | 464.75 | |
| | 4 1/2" thick Wall Footing | 65% | 8 | 3.25 | 6.50 | 2.00 | 219.70 | |
| | | | | | **Add 5%** | **Total:** | **2,966.49** | Cft |
| 1 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 35% | 1 | 55.00 | 9.50 | 2.00 | 365.75 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Short Wall A | 35% | 3 | 10.50 | 9.50 | 2.00 | 209.48 | |
| | Long Wall B | 35% | 1 | 55.00 | 15.00 | 2.00 | 577.50 | |
| | 4 1/2" thick Wall Footing | 35% | 1 | 55.00 | 6.50 | 2.00 | 250.25 | |
| | 4 1/2" thick Wall Footing | 35% | 8 | 3.25 | 6.50 | 2.00 | 118.30 | |
| | | | | | **Add 5%** | **Total:** | **1,597.34** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 5.50 | 0.67 | 202.68 | |
| | Short Wall A | | 3 | 10.50 | 5.50 | 0.67 | 116.08 | |
| | Long Wall B | | 1 | 55.00 | 11.00 | 0.67 | 405.35 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 2.50 | 0.50 | 68.75 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 2.50 | 0.50 | 32.50 | |
| | | | | | **Add 5%** | **Total:** | **866.62** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| | Short Wall A | | 3 | 10.50 | 0.75 | 0.75 | 17.72 | |
| | Long Wall B | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| ii | **Lintel Band** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| | Short Wall A | | 3 | 10.50 | 0.75 | 0.75 | 17.72 | |
| | Long Wall B | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| iii | **Roof Band** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| | Short Wall A | | 3 | 10.50 | 0.75 | 0.75 | 17.72 | |
| | Long Wall B | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| iv | **Pedestal** | | | | | | | |
| | P-1 | | 14 | 1.50 | 1.50 | 8.25 | 259.88 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | self | | 2 | 16.00 | 2.00 | 0.33 | 21.12 | |
| | | | | | **Add 5%** | **Total** | **545.77** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 866.62 | 2.50 | Per Cft | 2,166.55 | |
| | Superstructural | | 1 | 545.77 | 4.50 | Per Cft | 2,455.94 | |
| | | | | | **Add 5%** | **Total** | **4,853.62** | Kg |
| 10 | **Horizontal DPC** | | | | | | | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 0.75 | | 41.25 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 0.75 | | 19.50 | |
| | | | | | **Add 5%** | **Total:** | **63.79** | Sft |
| 11 | **Vertical DPC** | | | | | | | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | | 1.50 | 82.50 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | | 1.50 | 39.00 | |
| | | | | | **Add 5%** | **Total:** | **127.58** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 1.50 | 0.50 | 82.50 | |
| | Short Wall A | | 3 | 10.50 | 1.50 | 0.50 | 47.25 | |
| | Long Wall B | | 1 | 55.00 | 1.50 | 0.50 | 82.50 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 1.13 | 0.50 | 61.88 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 1.13 | 0.50 | 14.63 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 1.13 | 0.50 | 61.88 | |
| | Short Wall A | | 3 | 10.50 | 1.13 | 0.50 | 35.44 | |
| | Long Wall B | | 1 | 55.00 | 1.13 | 0.50 | 61.88 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 0.75 | 8.00 | 41.25 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 0.75 | 8.00 | 19.50 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 6.50 | 41.25 | |
| | Short Wall A | | 3 | 10.50 | 0.75 | 6.50 | 23.63 | |
| | Long Wall B | | 1 | 55.00 | 0.75 | 6.50 | 41.25 | |
| | Ent Steps | | | | | | | |
| | 1st Steps | | 1 | 15.00 | 2.00 | 0.50 | 15.00 | |
| | 2nd Steps | | 1 | 15.00 | 1.00 | 0.50 | 7.50 | |
| | | | | | **Add 5%** | **Total:** | **669.18** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Long Wall A | | 1 | 50.00 | 0.75 | 6.50 | 243.75 | |
| | Short Wall A | | 3 | 16.25 | 0.75 | 7.75 | 283.36 | |
| | Long Wall B | | 1 | 50.00 | 0.75 | 9.00 | 337.50 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 0.38 | 7.50 | 154.69 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 0.38 | 7.00 | 68.25 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | 0.75 | 7.00 | (57.75) | |
| | D-2 | | -2 | 3.50 | 0.38 | 7.00 | (18.38) | |
| | D-2 | | -8 | 2.50 | 0.38 | 7.00 | (52.50) | |
| | W-1 | | -4 | 6.50 | 0.75 | 2.50 | (48.75) | |
| | V-1 | | -10 | 2.00 | 0.75 | 2.00 | (30.00) | |
| | | | | | **Add 5%** | **Total:** | **924.18** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.33 | 130.68 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.33 | 72.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.33 | 34.16 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.33 | 50.86 | |
| | | | | | **Add 5%** | **Total:** | **339.83** | **Cft** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 15 | **Superb Quality Ceramic tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | | 396.00 | |
| | W.C | | 10 | 3.50 | 6.25 | | 218.75 | |
| | W.C | | 2 | 8.67 | 6.25 | | 108.38 | |
| | | | | | **Add 5%** | **Total** | **759.28** | Sft |
| 16 | **Wall skirting/dado** | | | | | | | |
| | Male & Female Toilet | | 4 | 24.00 | | 7.00 | 672.00 | |
| | | | 4 | 8.25 | | 7.00 | 231.00 | |
| | W.C | | 16 | 3.50 | | 7.00 | 392.00 | |
| | | | 16 | 6.25 | | 7.00 | 700.00 | |
| | W.C | | 4 | 8.67 | | 7.00 | 242.76 | |
| | | | 4 | 6.25 | | 7.00 | 175.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | D-2 | | -8 | 3.50 | | 7.00 | -196.00 | |
| | D-3 | | -8 | 2.50 | | 7.00 | -140.00 | |
| | | | | | **Add 5%** | **Total** | **2,099.75** | Sft |
| 17 | **Non-Skid Chequred Tiles Ramp** | | | | | | | |
| | Ramp | | 2 | 12.00 | 4.50 | | 108.00 | |
| | | | | | **Add 5%** | **Total** | **113.40** | Sft |
| 18 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | Podium | | 1 | 15.00 | 4.50 | | 67.50 | |
| | 1st Treads | | 2 | 15.00 | 1.00 | | 30.00 | |
| | 1st Riser | | 2 | 15.00 | | 0.50 | 15.00 | |
| | **Window Sills** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-1 | | 4 | 6.50 | 1.00 | | 26.00 | |
| | V-1 | | 10 | 2.00 | 1.00 | | 20.00 | |
| | Vanity shelf | | 2 | 16.00 | 2.00 | | 64.00 | |
| | | | | | **Add 5%** | **Total** | **233.63** | Sft |
| 19 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | avg | | |
| | Male & Female Toilet | | 4 | 24.00 | | 8.50 | 816.00 | |
| | | | 4 | 8.25 | | 8.50 | 280.50 | |
| | W.C | | 16 | 3.50 | | 7.00 | 392.00 | |
| | | | 16 | 6.25 | | 7.00 | 700.00 | |
| | W.C | | 4 | 8.67 | | 7.00 | 242.76 | |
| | | | 4 | 6.25 | | 7.00 | 175.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | D-2 | | -2 | 3.50 | | 7.00 | -49.00 | |
| | D-2 | | -8 | 2.50 | | 7.00 | -140.00 | |
| | W-1 | | -4 | 6.50 | | 2.50 | -65.00 | |
| | V-1 | | -10 | 2.00 | | 2.00 | -40.00 | |
| | | | | | **Add 5%** | **Total** | **2,347.02** | Sft |
| 20 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | Long Wall A | | 1 | 144.00 | Rft | 10.00 | 1,440.00 | |
| | | | | | **Add 5%** | **Total** | **1,512.00** | Sft |
| 21 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 2,347.02 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total** | **2,464.37** | Sft |
| 21a | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 | |
| | | | | | **Add 5%** | **Total:** | **34.09** | **Cft** |
| 21b | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | | 394.94 | |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | | 378.00 | |
| | | | | | **Add 5%** | **Total:** | **811.59** | **Sft** |
| 22 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 | |
| | | | | | **Add 5%** | **Total** | **80.85** | Sft |
| 23 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 | |
| | | | | | **Add 5%** | **Total** | **80.85** | Sft |
| 24 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 25 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 1,512.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total** | **1,587.60** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 4 | 6.50 | | 2.50 | 65.00 | |
| | V-1 | | 10 | 2.00 | | 2.00 | 40.00 | |
| | | | | | **Add 5%** | **Total** | **110.25** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 110.25 | 50% | | 55.13 | |
| | | | | | **Add 5%** | **Total** | **57.88** | Sft |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 110.25 | | | 110.25 | |
| | | | | | **Add 5%** | **Total** | **115.76** | Sft |
| 30 | **M.S. Stair Railing** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ramp Railing | | 2 | 12.00 | | | 24.00 | |
| | | | | | **Add 5%** | **Total** | **25.20** | Rft |
| 31 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | | 1 | 54.25 | 26.00 | | 1,410.50 | |
| | | | | | | **Total** | **1,410.50** | Sft |
| 32 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 8 | 54.25 | 1.00 | 0.02 | 9.11 | Cft |
| | Cleat Angle 1 1/2"x1 1/2:x1/4" | 1 | 8 | 54.25 | 0.25 | 0.02 | 2.28 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | M.S Base Plate 15"x15"x1/2" | 1 | 14 | 1.25 | 1.25 | 0.04 | 0.92 | Cft |
| | J Bolts 3/4" dia | 4 | 14 | 0.0031 | Area | 2.00 | 0.34 | Cft |
| | | | | | **Add 5%** | **Total** | **47.37** | Cft |
| | | | | **47.37** | Lbs Per cft | **490.00** | **23,213.30** | Lbs |
| | | | | | | **Total** | **10,532.35** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **11,585.58** | Kg |
| 33 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 1,410.50 | | | 2,821.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1410.50 | |
| | | | | | | **Total** | **4,231.50** | Sft |
| 34 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 5.50 | | 302.50 | |
| | Short Wall A | | 3 | 10.50 | 5.50 | | 173.25 | |
| | Long Wall B | | 1 | 55.00 | 11.00 | | 605.00 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 2.50 | | 137.50 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 2.50 | | 65.00 | |
| | **sides** | | | | | | | |
| | Long Wall A | | 2 | 55.00 | | 3.25 | 357.50 | |
| | Short Wall A | | 6 | 10.50 | | 3.25 | 204.75 | |
| | Long Wall B | | 2 | 55.00 | | 3.25 | 357.50 | |
| | 4 1/2" thick Wall Footing | | 2 | 55.00 | | 3.25 | 357.50 | |
| | 4 1/2" thick Wall Footing | | 16 | 3.25 | | 3.25 | 169.00 | |
| | **Under Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | | 396.00 | |
| | W.C | | 10 | 3.50 | 6.25 | | 218.75 | |
| | W.C | | 2 | 8.67 | 6.25 | | 108.38 | |

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 16,250,000 | |
| | **Net Total** | **16,250,000** | **16,250,000** |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 11,980.04 | 15.82 | 189,524 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 5,990.02 | 7.54 | 45,165 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 5,852.70 | 16.02 | 93,760 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 336.85 | 375.16 | 126,374 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 339.83 | 124.41 | 42,278 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 175.06 | 497.23 | 87,047 |
| | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 2,966.49 | 100.03 | 296,738 |
| | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,597.34 | 41.07 | 65,603 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 866.62 | 694.70 | 602,041 |
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 545.77 | 841.70 | 459,370 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 4,853.62 | 303.10 | 1,471,132 |
| 10 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 63.79 | 133.62 | 8,523 |
| 11 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 127.58 | 81.96 | 10,456 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Foundation | P.Cft | 669.18 | 370.56 | 247,971 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 924.18 | 392.61 | 362,842 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 339.83 | 41.07 | 13,957 |
| 15 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 759.28 | 312.65 | 237,389 |
| 16 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 2,099.75 | 384.70 | 807,773 |
| 17 | 10/46-c(i) | Providing and laying superb quality Porcelain glazed tiles **flooring** of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the jointsi/ccutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequred Tiles (i) 300mmx300 mm | P.Sft | 113.40 | 272.45 | 30,896 |
| 18 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 233.63 | 1,233.15 | 288,095 |
| | **11. SURFACE RENDERING** | | | | | |
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,347.02 | 46.18 | 108,386 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,512.00 | 62.00 | 93,744 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Prime Coat | P.Sft | 2,464.37 | 3.93 | 9,685 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 2,464.37 | 8.76 | 21,588 |
| | | ii) two coats | P.Sft | 2,464.37 | 12.12 | 29,868 |
| | **12. WOOD WORK** | | | | | |
| 21a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 34.09 | 14,603.05 | 497,769 |
| 21b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 811.59 | 74.32 | 60,317 |
| 22 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 80.85 | 950.00 | 76,808 |
| 23 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 80.85 | 756.75 | 61,183 |
| 24 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |
| 25 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 2.00 | 4,400.25 | 8,801 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,587.60 | 47.26 | 75,030 |
| | | **ii) 2nd coat** | P.Sft | 1,587.60 | 26.52 | 42,103 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **25. IRON WORK** | | | | | |
| 27 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 110.25 | 1,306.55 | 144,047 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 57.88 | 542.80 | 31,418 |
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 115.76 | 1,191.85 | 137,972 |
| 30 | 25/64 | Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge. | P.Rft | 25.20 | 3,346.10 | 84,322 |
| 31 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,410.50 | 1,648.65 | 2,325,421 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 33 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4,231.50 | 11.91 | 50,397 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 8,463.00 | 24.24 | 205,143 |
| | **26. MISCELLANEOUS** | | | | | |
| 34 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,710.25 | 12.55 | 46,564 |
| | | **Non-Schedule** | | | | |
| 36 | NS-2 | Providing and fixing 2" thick WPC (wood plastic composite) solid door enviroment friendly complete in all respect as approved by Engineer Incharge. | P.Sft | 750.00 | 1,750.00 | 1,312,500 |
| 37 | NS-3 | Providing and fixing wood plastic composite WPC architrave 3" x (3/4" tapered to ¼") all along the door frame complete in all respect. | P.Sft | 35.00 | 350.00 | 12,250 |
| | NS-4 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel | P.Sft | 1250 | 2150 | 2,687,500 |
| | NS-5 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing | P.Sft | 1250 | 400 | 500,000 |
| | NS-6 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 1250 | 450 | 562,500 |
| | NS-7 | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | **-** | **-** | 1,577,395 |
| | | **Total** | | | | 16,250,000 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 9.50 | 5.25 | 2,743.13 | |
| | Short Wall A | | 3 | 10.50 | 9.50 | 5.25 | 1,571.06 | |
| | Long Wall B | | 1 | 55.00 | 15.00 | 5.25 | 4,331.25 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 6.50 | 5.25 | 1,876.88 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 6.50 | 5.25 | 887.25 | |
| | | | | | **Add 5%** | **Total:** | **11,980.04** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 11,980.04 | | | **5990.02** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 6.00 | 2376.00 | |
| | W.C | | 10 | 3.50 | 6.25 | 6.00 | 1312.50 | |
| | W.C | | 2 | 8.67 | 6.25 | 6.00 | 650.25 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 3.00 | 310.50 | |
| | Podium | | 2 | 17.13 | 4.50 | 6.00 | 924.75 | |
| | | | | | **Add 5%** | **Total:** | **5,852.70** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 5.50 | 0.25 | 75.63 | |
| | Short Wall A | | 3 | 10.50 | 5.50 | 0.25 | 43.31 | |
| | Long Wall B | | 1 | 55.00 | 11.00 | 0.25 | 151.25 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 2.50 | 0.25 | 34.38 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 2.50 | 0.25 | 16.25 | |
| | | | | | **Add 5%** | **Total:** | **336.85** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.33 | 130.68 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W.C | | 10 | 3.50 | 6.25 | 0.33 | 72.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.33 | 34.16 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.33 | 50.86 | |
| | | | | | **Add 5%** | **Total:** | **339.83** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.17 | 67.32 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.17 | 37.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.17 | 18.42 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.17 | 17.60 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.17 | 26.20 | |
| | | | | | **Add 5%** | **Total:** | **175.06** | Cft |
| 1 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 65% | 1 | 55.00 | 9.50 | 2.00 | 679.25 | |
| | Short Wall A | 65% | 3 | 10.50 | 9.50 | 2.00 | 389.03 | |
| | Long Wall B | 65% | 1 | 55.00 | 15.00 | 2.00 | 1,072.50 | |
| | 4 1/2" thick Wall Footing | 65% | 1 | 55.00 | 6.50 | 2.00 | 464.75 | |
| | 4 1/2" thick Wall Footing | 65% | 8 | 3.25 | 6.50 | 2.00 | 219.70 | |
| | | | | | **Add 5%** | **Total:** | **2,966.49** | Cft |
| 1 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 35% | 1 | 55.00 | 9.50 | 2.00 | 365.75 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Short Wall A | 35% | 3 | 10.50 | 9.50 | 2.00 | 209.48 | |
| | Long Wall B | 35% | 1 | 55.00 | 15.00 | 2.00 | 577.50 | |
| | 4 1/2" thick Wall Footing | 35% | 1 | 55.00 | 6.50 | 2.00 | 250.25 | |
| | 4 1/2" thick Wall Footing | 35% | 8 | 3.25 | 6.50 | 2.00 | 118.30 | |
| | | | | | **Add 5%** | **Total:** | **1,597.34** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 5.50 | 0.67 | 202.68 | |
| | Short Wall A | | 3 | 10.50 | 5.50 | 0.67 | 116.08 | |
| | Long Wall B | | 1 | 55.00 | 11.00 | 0.67 | 405.35 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 2.50 | 0.50 | 68.75 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 2.50 | 0.50 | 32.50 | |
| | | | | | **Add 5%** | **Total:** | **866.62** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| | Short Wall A | | 3 | 10.50 | 0.75 | 0.75 | 17.72 | |
| | Long Wall B | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| ii | **Lintel Band** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| | Short Wall A | | 3 | 10.50 | 0.75 | 0.75 | 17.72 | |
| | Long Wall B | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| iii | **Roof Band** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| | Short Wall A | | 3 | 10.50 | 0.75 | 0.75 | 17.72 | |
| | Long Wall B | | 1 | 55.00 | 0.75 | 0.75 | 30.94 | |
| iv | **Pedestal** | | | | | | | |
| | P-1 | | 14 | 1.50 | 1.50 | 8.25 | 259.88 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | self | | 2 | 16.00 | 2.00 | 0.33 | 21.12 | |
| | | | | | **Add 5%** | **Total** | **545.77** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 866.62 | 2.50 | Per Cft | 2,166.55 | |
| | Superstructural | | 1 | 545.77 | 4.50 | Per Cft | 2,455.94 | |
| | | | | | **Add 5%** | **Total** | **4,853.62** | Kg |
| 10 | **Horizontal DPC** | | | | | | | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 0.75 | | 41.25 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 0.75 | | 19.50 | |
| | | | | | **Add 5%** | **Total:** | **63.79** | Sft |
| 11 | **Vertical DPC** | | | | | | | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | | 1.50 | 82.50 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | | 1.50 | 39.00 | |
| | | | | | **Add 5%** | **Total:** | **127.58** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 1.50 | 0.50 | 82.50 | |
| | Short Wall A | | 3 | 10.50 | 1.50 | 0.50 | 47.25 | |
| | Long Wall B | | 1 | 55.00 | 1.50 | 0.50 | 82.50 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 1.13 | 0.50 | 61.88 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 1.13 | 0.50 | 14.63 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 1.13 | 0.50 | 61.88 | |
| | Short Wall A | | 3 | 10.50 | 1.13 | 0.50 | 35.44 | |
| | Long Wall B | | 1 | 55.00 | 1.13 | 0.50 | 61.88 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 0.75 | 8.00 | 41.25 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 0.75 | 8.00 | 19.50 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 6.50 | 41.25 | |
| | Short Wall A | | 3 | 10.50 | 0.75 | 6.50 | 23.63 | |
| | Long Wall B | | 1 | 55.00 | 0.75 | 6.50 | 41.25 | |
| | Ent Steps | | | | | | | |
| | 1st Steps | | 1 | 15.00 | 2.00 | 0.50 | 15.00 | |
| | 2nd Steps | | 1 | 15.00 | 1.00 | 0.50 | 7.50 | |
| | | | | | **Add 5%** | **Total:** | **669.18** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Long Wall A | | 1 | 50.00 | 0.75 | 6.50 | 243.75 | |
| | Short Wall A | | 3 | 16.25 | 0.75 | 7.75 | 283.36 | |
| | Long Wall B | | 1 | 50.00 | 0.75 | 9.00 | 337.50 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 0.38 | 7.50 | 154.69 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 0.38 | 7.00 | 68.25 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | 0.75 | 7.00 | (57.75) | |
| | D-2 | | -2 | 3.50 | 0.38 | 7.00 | (18.38) | |
| | D-2 | | -8 | 2.50 | 0.38 | 7.00 | (52.50) | |
| | W-1 | | -4 | 6.50 | 0.75 | 2.50 | (48.75) | |
| | V-1 | | -10 | 2.00 | 0.75 | 2.00 | (30.00) | |
| | | | | | **Add 5%** | **Total:** | **924.18** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.33 | 130.68 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.33 | 72.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.33 | 34.16 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.33 | 50.86 | |
| | | | | | **Add 5%** | **Total:** | **339.83** | **Cft** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 15 | **Superb Quality Ceramic tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | | 396.00 | |
| | W.C | | 10 | 3.50 | 6.25 | | 218.75 | |
| | W.C | | 2 | 8.67 | 6.25 | | 108.38 | |
| | | | | | **Add 5%** | **Total** | **759.28** | Sft |
| 16 | **Wall skirting/dado** | | | | | | | |
| | Male & Female Toilet | | 4 | 24.00 | | 7.00 | 672.00 | |
| | | | 4 | 8.25 | | 7.00 | 231.00 | |
| | W.C | | 16 | 3.50 | | 7.00 | 392.00 | |
| | | | 16 | 6.25 | | 7.00 | 700.00 | |
| | W.C | | 4 | 8.67 | | 7.00 | 242.76 | |
| | | | 4 | 6.25 | | 7.00 | 175.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | D-2 | | -8 | 3.50 | | 7.00 | -196.00 | |
| | D-3 | | -8 | 2.50 | | 7.00 | -140.00 | |
| | | | | | **Add 5%** | **Total** | **2,099.75** | Sft |
| 17 | **Non-Skid Chequred Tiles Ramp** | | | | | | | |
| | Ramp | | 2 | 12.00 | 4.50 | | 108.00 | |
| | | | | | **Add 5%** | **Total** | **113.40** | Sft |
| 18 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | Podium | | 1 | 15.00 | 4.50 | | 67.50 | |
| | 1st Treads | | 2 | 15.00 | 1.00 | | 30.00 | |
| | 1st Riser | | 2 | 15.00 | | 0.50 | 15.00 | |
| | **Window Sills** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-1 | | 4 | 6.50 | 1.00 | | 26.00 | |
| | V-1 | | 10 | 2.00 | 1.00 | | 20.00 | |
| | Vanity shelf | | 2 | 16.00 | 2.00 | | 64.00 | |
| | | | | | **Add 5%** | **Total** | **233.63** | Sft |
| 19 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | avg | | |
| | Male & Female Toilet | | 4 | 24.00 | | 8.50 | 816.00 | |
| | | | 4 | 8.25 | | 8.50 | 280.50 | |
| | W.C | | 16 | 3.50 | | 7.00 | 392.00 | |
| | | | 16 | 6.25 | | 7.00 | 700.00 | |
| | W.C | | 4 | 8.67 | | 7.00 | 242.76 | |
| | | | 4 | 6.25 | | 7.00 | 175.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | D-2 | | -2 | 3.50 | | 7.00 | -49.00 | |
| | D-2 | | -8 | 2.50 | | 7.00 | -140.00 | |
| | W-1 | | -4 | 6.50 | | 2.50 | -65.00 | |
| | V-1 | | -10 | 2.00 | | 2.00 | -40.00 | |
| | | | | | **Add 5%** | **Total** | **2,347.02** | Sft |
| 20 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | Long Wall A | | 1 | 144.00 | Rft | 10.00 | 1,440.00 | |
| | | | | | **Add 5%** | **Total** | **1,512.00** | Sft |
| 21 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 2,347.02 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total** | **2,464.37** | Sft |
| 21a | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 | |
| | | | | | **Add 5%** | **Total:** | **34.09** | **Cft** |
| 21b | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | | 394.94 | |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | | 378.00 | |
| | | | | | **Add 5%** | **Total:** | **811.59** | **Sft** |
| 22 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 | |
| | | | | | **Add 5%** | **Total** | **80.85** | Sft |
| 23 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 | |
| | | | | | **Add 5%** | **Total** | **80.85** | Sft |
| 24 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 25 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 1,512.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total** | **1,587.60** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 4 | 6.50 | | 2.50 | 65.00 | |
| | V-1 | | 10 | 2.00 | | 2.00 | 40.00 | |
| | | | | | **Add 5%** | **Total** | **110.25** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 110.25 | 50% | | 55.13 | |
| | | | | | **Add 5%** | **Total** | **57.88** | Sft |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 110.25 | | | 110.25 | |
| | | | | | **Add 5%** | **Total** | **115.76** | Sft |
| 30 | **M.S. Stair Railing** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ramp Railing | | 2 | 12.00 | | | 24.00 | |
| | | | | | **Add 5%** | **Total** | **25.20** | Rft |
| 31 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | | 1 | 54.25 | 26.00 | | 1,410.50 | |
| | | | | | | **Total** | **1,410.50** | Sft |
| 32 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 8 | 54.25 | 1.00 | 0.02 | 9.11 | Cft |
| | Cleat Angle 1 1/2"x1 1/2:x1/4" | 1 | 8 | 54.25 | 0.25 | 0.02 | 2.28 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | M.S Base Plate 15"x15"x1/2" | 1 | 14 | 1.25 | 1.25 | 0.04 | 0.92 | Cft |
| | J Bolts 3/4" dia | 4 | 14 | 0.0031 | Area | 2.00 | 0.34 | Cft |
| | | | | | **Add 5%** | **Total** | **47.37** | Cft |
| | | | | **47.37** | Lbs Per cft | **490.00** | **23,213.30** | Lbs |
| | | | | | | **Total** | **10,532.35** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **11,585.58** | Kg |
| 33 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 1,410.50 | | | 2,821.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1410.50 | |
| | | | | | | **Total** | **4,231.50** | Sft |
| 34 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 5.50 | | 302.50 | |
| | Short Wall A | | 3 | 10.50 | 5.50 | | 173.25 | |
| | Long Wall B | | 1 | 55.00 | 11.00 | | 605.00 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 2.50 | | 137.50 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 2.50 | | 65.00 | |
| | **sides** | | | | | | | |
| | Long Wall A | | 2 | 55.00 | | 3.25 | 357.50 | |
| | Short Wall A | | 6 | 10.50 | | 3.25 | 204.75 | |
| | Long Wall B | | 2 | 55.00 | | 3.25 | 357.50 | |
| | 4 1/2" thick Wall Footing | | 2 | 55.00 | | 3.25 | 357.50 | |
| | 4 1/2" thick Wall Footing | | 16 | 3.25 | | 3.25 | 169.00 | |
| | **Under Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | | 396.00 | |
| | W.C | | 10 | 3.50 | 6.25 | | 218.75 | |
| | W.C | | 2 | 8.67 | 6.25 | | 108.38 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near Fountain Area (6+6) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | | 103.50 | |
| | Podium | | 2 | 17.13 | 4.50 | | 154.13 | |
| | | | | | | **Total:** | **3,710.25** | **Sft** |
| NS-1 | **Artifical Cladding** | | | | | Avg | | |
| | | | 1 | 144.00 | | 10.00 | 1,440.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | W-1 | | -4 | 6.50 | | 2.50 | -65.00 | |
| | V-1 | | -10 | 2.00 | | 2.00 | -40.00 | |
| | | | | | | **Total:** | **1,258.00** | **Sft** |
| NS-2 | **Wood Plastic Composite (WPC)** | | | | | | | |
| | D-2 | | 2 | 3.50 | | 7.00 | 49.00 | |
| | D-2 | | 8 | 2.50 | | 7.00 | 140.00 | |
| | | | | | | **Total:** | **189.00** | **Sft** |
| NS-3 | **WPC architrave 3"** | | | | | | | |
| | D-2 | | 2 | 3.50 | | 7.00 | 49.00 | |
| | D-2 | | 8 | 2.50 | | 7.00 | 140.00 | |
| | | | | | | **Total:** | **189.00** | **Sft** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Café(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 2 | CIVIL WORKS | 25,000,000 | |
| | **Total Non-Schedule Items** | **25,000,000** | **25,000,000** |
| | **Net Total** | | **25,000,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Café(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 10,007.16 | 15.82 | 158,313 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 5,003.58 | 7.54 | 37,727 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 8,834.70 | 16.02 | 141,532 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 81.94 | 375.16 | 30,740 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 521.58 | 124.41 | 64,890 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 268.69 | 497.23 | 133,602 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 2,477.96 | 100.03 | 247,871 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,334.29 | 41.07 | 54,799 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Café(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 161.14 | 694.70 | 111,946 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 436.58 | 841.70 | 367,468 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 2,367.46 | 303.10 | 717,577 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 3,112.64 | 370.56 | 1,153,420 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 801.33 | 392.61 | 314,611 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 307.56 | 41.07 | 12,631 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Café(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 15 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | P.Sft | 570.00 | 2,511.82 | 1,431,737 |
| 16 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 932.00 | 450.10 | 419,493 |
| 17 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 260.00 | 451.50 | 117,390 |
| | **11. SURFACE RENDERING** | | | | | |
| 18 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,068.44 | 46.18 | 49,341 |
| 19 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,138.44 | 62.00 | 70,583 |
| 20 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 1,068.44 | 3.93 | 4,199 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 1,068.44 | 8.76 | 9,360 |
| | | ii) two coats | P.Sft | 1,068.44 | 12.12 | 12,950 |
| 21 | 11/41 | Providing and fixing 3/4" (19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. | P.Sft | 510.00 | 320.02 | 163,210 |
| | **12. WOOD WORK** | | | | | |
| 22a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 58.39 | 14,365.05 | 838,788 |
| 22b | 13/7-a | French polishing complete:- a) on new work | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Café(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Wooden Sheet | P.Sft | 1,390.26 | 74.32 | 103,324 |
| 23 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 42.00 | 950.00 | 39,900 |
| 24 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 42.00 | 756.75 | 31,784 |
| 25 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |
| 26 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 2.00 | 4,400.25 | 8,801 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 27 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,138.44 | 47.26 | 53,803 |
| | | **ii) 2nd coat** | P.Sft | 1,138.44 | 26.52 | 30,191 |
| | **25. IRON WORK** | | | | | |
| 28 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 465.06 | 1,306.55 | 607,621 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Café(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 29 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 232.53 | 542.80 | 126,217 |
| 30 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 465.06 | 1,191.85 | 554,279 |
| 31 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,394.00 | 1,648.65 | 2,298,218 |
| 32 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 11,461.83 | 388.93 | 4,457,849 |
| 33 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4,182.00 | 11.91 | 49,808 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 8,364.00 | 24.24 | 202,743 |
| 34 | 23/26-b | Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects: -b) 4" i/d (100 mm) | Rft | 72.00 | 514.90 | 37,073 |
| | **26. MISCELLANEOUS** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Café(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 35 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,395.00 | 12.55 | 42,607 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Café(s)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| **Non-Schedule** | | | | | | |
| | NS-1 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel | P.Sft | 1650 | 2150 | 3,547,500 |
| | NS-2 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing | P.Sft | 1650 | 400 | 660,000 |
| | NS-3 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 1650 | 450 | 742,500 |
| | NS-4 | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | **-** | **-** | 4,741,248 |
| | | **NON-SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **25,000,000** |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Café(s)**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 152.75 | 9.50 | 5.25 | 7,618.41 | |
| | Footing Wall C | | 1 | 70.00 | 6.50 | 5.25 | 2,388.75 | |
| | | | | | | **Total:** | **10,007.16** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 10,007.16 | | | **5,003.58** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Small Café | | 1 | 38.00 | 22.00 | 6.00 | 5,016.00 | |
| | Kitchen | | 1 | 8.00 | 12.00 | 6.00 | 576.00 | |
| | Duck Area | | 1 | 52.00 | 6.50 | 5.00 | 1,690.00 | |
| | Duck Area | | 1 | 25.75 | 2.00 | 5.00 | 257.50 | |
| | Duck Area | | 1 | 52.00 | 2.00 | 5.00 | 520.00 | |
| | Duck Area | | 1 | 13.50 | 2.00 | 5.00 | 135.00 | |
| | Duck Area | | 1 | 12.00 | 10.67 | 5.00 | 640.20 | |
| | | | | | | **Total:** | **8,834.70** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 152.75 | 5.50 | 0.25 | 38.19 | |
| | Footing Wall C | | 1 | 70.00 | 2.50 | 0.25 | 43.75 | |
| | | | | | | **Total:** | **81.94** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Small Café | | 1 | 38.00 | 22.00 | 0.33 | 275.88 | |
| | Kitchen | | 1 | 8.00 | 12.00 | 0.33 | 31.68 | |
| | Duck Area | | 1 | 52.00 | 6.50 | 0.33 | 111.54 | |
| | Duck Area | | 1 | 25.75 | 2.00 | 0.33 | 17.00 | |
| | Duck Area | | 1 | 52.00 | 2.00 | 0.33 | 34.32 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Café(s)**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Duck Area | | 1 | 13.50 | 2.00 | 0.33 | 8.91 | |
| | Duck Area | | 1 | 12.00 | 10.67 | 0.33 | 42.25 | |
| | | | | | | **Total:** | **521.58** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Small Café | | 1 | 38.00 | 22.00 | 0.17 | 142.12 | |
| | Kitchen | | 1 | 8.00 | 12.00 | 0.17 | 16.32 | |
| | Duck Area | | 1 | 52.00 | 6.50 | 0.17 | 57.46 | |
| | Duck Area | | 1 | 25.75 | 2.00 | 0.17 | 8.76 | |
| | Duck Area | | 1 | 52.00 | 2.00 | 0.17 | 17.68 | |
| | Duck Area | | 1 | 13.50 | 2.00 | 0.17 | 4.59 | |
| | Duck Area | | 1 | 12.00 | 10.67 | 0.17 | 21.77 | |
| | | | | | | **Total:** | **268.69** | Cft |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | 65% | 1 | 152.75 | 9.50 | 2.00 | 1,886.46 | |
| | Footing Wall C | 65% | 1 | 70.00 | 6.50 | 2.00 | 591.50 | |
| | | | | | | **Total:** | **2,477.96** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | 35% | 1 | 152.75 | 9.50 | 2.00 | 1,015.79 | |
| | Footing Wall C | 35% | 1 | 70.00 | 6.50 | 2.00 | 318.50 | |
| | | | | | | **Total:** | **1,334.29** | Cft |

| MEASURMENT SHEETS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| SUMMARY OF COST | | | | | | | | |
| Construction of the Café(s) | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 152.75 | 5.00 | 0.67 | 102.34 | |
| | Footing Wall C | | 1 | 70.00 | 2.00 | 0.42 | 58.80 | |
| | | | | | | **Total:** | **161.14** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Line A, 1-2, | | 1 | 7.17 | 0.75 | 0.75 | 4.03 | |
| | Line A,C, 2-3,3-4,4-5 | | 6 | 11.38 | 0.75 | 0.75 | 38.39 | |
| | Line B, 1-2, | | 1 | 7.58 | 0.75 | 0.75 | 4.26 | |
| | Line 1, A-B | | 1 | 11.00 | 0.75 | 0.75 | 6.19 | |
| | Line 2,5, A-C | | 2 | 22.17 | 0.75 | 0.75 | 24.94 | |
| ii | **Lintel Band** | | | | | | | |
| | Line A, 1-2, | | 1 | 7.17 | 0.75 | 0.75 | 4.03 | |
| | Line A,C, 2-3,3-4,4-5 | | 6 | 11.38 | 0.75 | 0.75 | 38.39 | |
| | Line B, 1-2, | | 1 | 7.58 | 0.75 | 0.75 | 4.26 | |
| | Line 1, A-B | | 1 | 11.00 | 0.75 | 0.75 | 6.19 | |
| | Line 2,5, A-C | | 2 | 22.17 | 0.75 | 0.75 | 24.94 | |
| iii | **Roof Band** | | | | | | | |
| | Line A, 1-2, | | 1 | 7.17 | 0.75 | 0.75 | 4.03 | |
| | Line A,C, 2-3,3-4,4-5 | | 6 | 11.38 | 0.75 | 0.75 | 38.39 | |
| | Line B, 1-2, | | 1 | 7.58 | 0.75 | 0.75 | 4.26 | |
| | Line 1, A-B | | 1 | 11.00 | 0.75 | 0.75 | 6.19 | |
| | Line 2,5, A-C | | 2 | 22.17 | 0.75 | 0.75 | 24.94 | |
| iv | **Plinth Columns** | | | | | | | |
| | C-1 | | 10 | 1.50 | 1.50 | 8.50 | 191.25 | |
| | Kitchen self | | 1 | 18.00 | 2.00 | 0.33 | 11.88 | |
| | | | | | | **Total** | **436.58** | Cft |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Café(s)**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 161.14 | 2.50 | Per Cft | 402.86 | |
| | Superstructural | | 1 | 436.58 | 4.50 | Per Cft | 1,964.60 | |
| | | | | | | **Total** | **2,367.46** | Kg |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 152.75 | 1.50 | 0.50 | 114.56 | |
| | Tow Wall | | 1 | 170.00 | 1.50 | 8.50 | 2,167.50 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 1 | 152.75 | 1.13 | 0.50 | 85.92 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 1 | 152.75 | 0.75 | 6.50 | 744.66 | |
| | | | | | | **Total:** | **3,112.64** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Small Café | | 2 | 38.00 | 0.75 | 10.00 | 570.00 | |
| | | | 2 | 22.00 | 0.75 | 10.00 | 330.00 | |
| | Kitchen | | 2 | 8.00 | 0.75 | 10.00 | 120.00 | |
| | | | 2 | 12.00 | 0.75 | 10.00 | 180.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 3.50 | 0.75 | 7.00 | (18.38) | |
| | D-2 | | -2 | 3.00 | 0.75 | 7.00 | (31.50) | |
| | W-1 | | -1 | 12.25 | 0.75 | 9.33 | (85.72) | |
| | W-2 | | -1 | 5.75 | 0.75 | 9.33 | (40.24) | |
| | W-3 | | -1 | 3.00 | 0.75 | 3.50 | (7.88) | |
| | Glass | | -8 | 3.84 | 0.75 | 9.33 | (214.96) | |
| | | | | | | **Total:** | **801.33** | Cft |
| 14 | **Sand filling** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Café(s)**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Café | | 1 | 38.00 | 22.00 | 0.33 | 275.88 | |
| | Kitchen | | 1 | 8.00 | 12.00 | 0.33 | 31.68 | |
| | | | | | | **Total:** | **307.56** | **Cft** |
| 15 | **Shisham wood block flooring** | | | | | | | |
| | Duck Area | | 1 | 570.00 | Area | | 570.00 | |
| | | | | | | **Total:** | **570.00** | **Sft** |
| 16 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Café | | 1 | 38.00 | 22.00 | | 836.00 | |
| | Kitchen | | 1 | 8.00 | 12.00 | | 96.00 | |
| | | | | | | **Total** | **932.00** | Sft |
| 17 | **Wall skirting** | | | | | | | |
| | Café | | 2 | 38.00 | | 0.50 | 38.00 | |
| | Café | | 2 | 22.00 | | 0.50 | 22.00 | |
| | Kitchen | | 2 | 8.00 | | 5.00 | 80.00 | |
| | Kitchen | | 2 | 12.00 | | 5.00 | 120.00 | |
| | | | | | | **Total** | **260.00** | Sft |
| 18 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Café | | 2 | 38.00 | | 10.00 | 760.00 | |
| | Café | | 2 | 22.00 | | 10.00 | 440.00 | |
| | Kitchen | | 2 | 8.00 | | 10.00 | 160.00 | |
| | Kitchen | | 2 | 12.00 | | 10.00 | 240.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | D-2 | | -2 | 3.00 | | 7.00 | (42.00) | |
| | W-1 | | -1 | 12.25 | | 9.33 | (114.29) | |
| | W-2 | | -1 | 5.75 | | 9.33 | (53.65) | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Café(s)**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-3 | | -1 | 3.00 | | 3.50 | (10.50) | |
| | Glass | | -8 | 3.84 | | 9.33 | (286.62) | |
| | | | | | | **Total** | **1,068.44** | Sft |
| 19 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 1 | 148.00 | Rft | 11.00 | 1,628.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | W-1 | | -1 | 12.25 | | 9.33 | (114.29) | |
| | W-2 | | -1 | 5.75 | | 9.33 | (53.65) | |
| | W-3 | | -1 | 3.00 | | 3.50 | (10.50) | |
| | Glass | | -8 | 3.84 | | 9.33 | (286.62) | |
| | | | | | | **Total** | **1,138.44** | Sft |
| 20 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 1,068.44 | |
| | | | | | | **Total** | **1,068.44** | Sft |
| 21 | **Sandstone** | | | | | | | |
| | duck Area wall | | 1 | 170.00 | | 3.00 | 510.00 | |
| | | | | | | **Total** | **510.00** | Sft |
| 22a | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 28.50 | 2.00 | 0.042 | 9.58 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 14.75 | 2.00 | 0.042 | 9.91 | |
| | Top Purlin 3"x6"x1/4" | 2 | 5 | 28.50 | 1.00 | 0.042 | 11.97 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Café(s)**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 5 | 28.50 | 0.25 | 0.042 | 2.99 | |
| | Center Box 4"x4"x1/2" | 1 | 4 | 24.50 | 1.32 | 0.042 | 5.43 | |
| | Columns Box 9"x9"x1/2" | 1 | 8 | 11.00 | 3.00 | 0.042 | 11.09 | |
| | **Type B Roof** | | | | | | | |
| | Bottom G-1 Box 6"x14"x1/2" | 1 | 1 | 32.50 | 2.17 | 0.042 | 2.96 | |
| | Top Purlin 3"x6"x1/4" | 1 | 3 | 15.50 | 1.00 | 0.042 | 1.95 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 1 | 3 | 15.50 | 0.25 | 0.042 | 0.49 | |
| | Columns Box 9"x9"x1/2" | 1 | 2 | 8.00 | 3.00 | 0.042 | 2.02 | |
| | | | | | | **Total:** | **58.39** | **Cft** |
| 22b | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 28.50 | 2.00 | | 228.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 14.75 | 2.00 | | 236.00 | |
| | Top Purlin 3"x6"x1/4" | 2 | 5 | 28.50 | 1.00 | | 285.00 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 5 | 28.50 | 0.25 | | 71.25 | |
| | Center Box 4"x4"x1/2" | 1 | 4 | 24.50 | 1.32 | | 129.36 | |
| | Columns Box 9"x9"x1/2" | 1 | 8 | 11.00 | 3.00 | | 264.00 | |
| | **Type B Roof** | | | | | | - | |
| | Bottom G-1 Box 6"x14"x1/2" | 1 | 1 | 32.50 | 2.17 | | 70.53 | |
| | Top Purlin 3"x6"x1/4" | 1 | 3 | 15.50 | 1.00 | | 46.50 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 1 | 3 | 15.50 | 0.25 | | 11.63 | |
| | Columns Box 9"x9"x1/2" | 1 | 2 | 8.00 | 3.00 | | 48.00 | |
| | | | | | | **Total:** | **1,390.26** | **Sft** |
| 23 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-2 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | | **Total** | **42.00** | Cft |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Café(s)**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 24 | **MS/ GI Chowkat singel/double** | | | | | | | |
| | D-2 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | | **Total** | **42.00** | Sft |
| 25 | **Door Stops** | | | | | | | |
| | D-2 | | 2 | 1.00 | | | 2.00 | |
| | | | | | | **Total** | **2.00** | Each |
| 26 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | D-2 | | 2 | 1.00 | | | 2.00 | |
| | | | | | | **Total** | **2.00** | Each |
| 27 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 1,138.44 | |
| | | | | | | **Total** | **1,138.44** | Sft |
| 28 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 1 | 12.25 | | 9.33 | 114.29 | |
| | W-2 | | 1 | 5.75 | | 9.33 | 53.65 | |
| | W-3 | | 1 | 3.00 | | 3.50 | 10.50 | |
| | Glass | | 8 | 3.84 | | 9.33 | 286.62 | |
| | | | | | | **Total** | **465.06** | Sft |
| 29 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 465.06 | 50% | | 232.53 | |
| | | | | | | **Total** | **232.53** | Sft |
| 30 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 465.06 | | | 465.06 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Café(s)**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **465.06** | Sft |
| 31 | **Sandwich Panels** | | | | | | | |
| i | Roof Area | | 2 | 42.00 | 14.75 | | 1,239.00 | |
| | Roof Area | | 1 | 15.50 | 10.00 | | 155.00 | |
| | | | | | | **Total** | **1,394.00** | Sft |
| 32 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 28.50 | 2.00 | 0.042 | 9.58 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 14.75 | 2.00 | 0.042 | 9.91 | Cft |
| | Top Purlin 3"x6"x1/4" | 2 | 5 | 28.50 | 1.00 | 0.021 | 5.99 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 5 | 28.50 | 0.25 | 0.021 | 1.50 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 4 | 24.50 | 1.32 | 0.042 | 5.43 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 8 | 11.00 | 3.00 | 0.042 | 11.09 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 8 | 1.25 | 1.25 | 0.042 | 0.53 | Cft |
| | J Bolts 3/4" dia | 4 | 8 | 0.0031 | Area | 2.00 | 0.20 | Cft |
| | **Type B Roof** | | | | | | | |
| | Bottom G-1 Box 6"x14"x1/2" | 1 | 1 | 32.50 | 2.17 | 0.04 | 2.96 | Cft |
| | Top Purlin 3"x6"x1/4" | 1 | 3 | 15.50 | 1.00 | 0.04 | 1.95 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 1 | 3 | 15.50 | 0.25 | 0.021 | 0.24 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 2 | 8.00 | 3.00 | 0.04 | 2.02 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 2 | 1.25 | 1.25 | 0.04 | 0.13 | Cft |
| | Anchor Bolts 3/4" dia | 4 | 2 | 0.0031 | Area | 1.50 | 0.04 | Cft |
| | | | | | | **Total** | **51.55** | Cft |
| | | | | **51.55** | Lbs Per cft | **490.00** | **25,261.87** | Lbs |
| | | | | | | **Total** | **11,461.83** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **12,608.01** | Kg |
| 33 | **Painting of Iron Work** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Café(s)**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Sheet Area | | 2 | 1,394.00 | | | 2,788.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1,394.00 | |
| | | | | | | **Total** | **4,182.00** | Sft |
| 34 | **PVC Rain water Pipe 4'' Dia** | | 6 | 12.00 | | | 72.00 | |
| | | | | | | **Total:** | **72.00** | **Rft** |
| 35 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Footing Wall A | | 1 | 152.75 | 5.50 | | 840.13 | |
| | Footing Wall C | | 1 | 70.00 | 2.50 | | 175.00 | |
| | **sides** | | | | | | | |
| | Footing Wall A | | 2 | 152.75 | | 3.25 | 992.88 | |
| | Footing Wall C | | 2 | 70.00 | | 3.25 | 455.00 | |
| | **Under Floor** | | | | | | | |
| | Small Café | | 1 | 38.00 | 22.00 | | 836.00 | |
| | Kitchen | | 1 | 8.00 | 12.00 | | 96.00 | |
| | | | | | | **Total:** | **3,395.00** | **Sft** |
| NS-1 | **Artifical Cladding** | | | | | | | |
| | External | | 1 | 148.00 | | 10.00 | 1,480.00 | |
| | Internal | | 1 | 120.00 | | 10.00 | 1,200.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 3.50 | | 7.00 | (49.00) | |
| | D-2 | | -2 | 3.00 | | 7.00 | (42.00) | |
| | W-1 | | -2 | 12.25 | | 9.33 | (228.59) | |
| | W-2 | | -2 | 5.75 | | 9.33 | (107.30) | |
| | W-3 | | -2 | 3.00 | | 3.50 | (21.00) | |
| | Glass | | -16 | 3.84 | | 9.33 | (573.24) | |
| | | | | | | **Total:** | **1,658.88** | **Sft** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Development of a Mini Zoo

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 24,750,000 | |
| | **Grand.Total** | **24,750,000** | **24,750,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Heritage Walk

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 20,000,000 | |
| | **Grand.Total** | **20,000,000** | **20,000,000** |

**PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS I**
**SUMMARY OF COST**
**Construction of Heritage Walkway**
**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANK** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 5,500.00 | 15.82 | 87,010 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 5,500.00 | 7.54 | 41,470 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 5,500.00 | 16.02 | 88,110 |
| | **6. CONCRETE** | | | | | - |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | - |
| | | Foundation | P.Cft | 200.00 | 375.16 | 75,032 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | - |
| | | Ground Floor | P.Cft | 580.00 | 124.41 | 72,158 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | - |
| | | Ground Floor | P.Cft | 580.00 | 497.23 | 288,393 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 3,500.00 | 100.03 | 350,105 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,850.00 | 41.07 | 75,980 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. | | | | - |
| | | Foundation | P.Cft | 650.00 | 694.70 | 451,555 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | - |
| | | Ground Floor | P.Cft | 850.00 | 841.70 | 715,445 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | - |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 8,207.18 | 303.10 | 2,487,595 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 12 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 342.00 | 133.62 | 45,698 |
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 684.00 | 81.96 | 56,061 |
| | **7. BRICK WORK** | | | | | - |
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | - |
| | | Foundation | P.Cft | 1,539.00 | 370.56 | 570,292 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | - |
| | | Ground Floor | P.Cft | 3,595.50 | 392.61 | 1,411,629 |
| | **10. FLOORING** | | | | | - |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,062.50 | 41.07 | 43,637 |
| 17 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | - |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 4,250.00 | 312.65 | 1,328,763 |
| 18 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | - |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 150.48 | 384.70 | 57,890 |
| | **11. SURFACE RENDERING** | | | | | - |
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | - |
| | | Ground Floor | P.Sft | 4,560.00 | 46.18 | 210,581 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | - |
| | | Ground Floor | P.Sft | 2,760.00 | 62.00 | 171,120 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | - |
| | | Prime Coat | P.Sft | 2,760.00 | 3.93 | 10,847 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 2,760.00 | 8.76 | 24,178 |
| | | ii) two coats | P.Sft | 2,760.00 | 12.12 | 33,451 |
| | **12. WOOD WORK** | | | | | - |
| 22 | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | - |
| | | Wooden Sheet | P.Cft | 25.00 | 14,603.05 | 365,076 |
| 23 | 13/7-a | French polishing complete:- a) on new work | | | | - |
| | | Wooden Sheet | P.Sft | 1,150.94 | 74.32 | 85,538 |
| 24 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 73.50 | 950.00 | 69,825 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 25 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 73.50 | 756.75 | 55,621 |
| 26 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 3.00 | 178.30 | 535 |
| 27 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 3.00 | 4,400.25 | 13,201 |
| | **13. PAINTING AND VARNISHING** | | | | | - |
| 28 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 2,300.00 | 47.26 | 108,698 |
| | | **ii) 2nd coat** | P.Sft | 2,300.00 | 26.52 | 60,996 |
| | **25. IRON WORK** | | | | | - |
| 29 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 37.50 | 1,306.55 | 48,996 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 30 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect | P.Sft | 18.75 | 542.80 | 10,178 |
| 31 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 37.50 | 1,191.85 | 44,694 |
| 32 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | - |
| | | 75 mm thick | P.Sft | 4,250.00 | 1,648.65 | 7,006,763 |
| 33 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 7,500.00 | 388.93 | 2,916,975 |
| 34 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 12,000.00 | 11.91 | 142,920 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 12,000.00 | 24.24 | 290,880 |
| | **26. MISCELLANEOUS** | | | | | - |
| 35 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 6,542.43 | 12.55 | 82,107 |
| | | | | | | |
| | | **Total for Each** | | | | **20,000,000** |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **20,000,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 25,000,000 | |
| | **Total Schedule Items** | **25,000,000** | **25,000,000** |
| | **Net Total** | | **25,000,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 2,906.75 | 15.82 | 45,985 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 1,453.38 | 7.54 | 10,958 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 627.75 | 16.02 | 10,057 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 37.13 | 375.16 | 13,928 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 34.53 | 124.41 | 4,295 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 17.79 | 497.23 | 8,844 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 539.83 | 100.03 | 53,999 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 290.68 | 41.07 | 11,938 |
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Foundation | P.Cft | 118.43 | 694.70 | 82,270 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 110.72 | 841.70 | 93,192 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 794.30 | 303.10 | 240,751 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 342.66 | 370.56 | 126,975 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 230.85 | 392.61 | 90,634 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 26.73 | 41.07 | 1,098 |
| 15 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 66.00 | 450.10 | 29,707 |
| 16 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 11.13 | 451.50 | 5,023 |
| | **11. SURFACE RENDERING** | | | | | |
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 218.13 | 46.18 | 10,073 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 327.00 | 62.00 | 20,274 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 218.13 | 3.93 | 857 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 218.13 | 8.76 | 1,911 |
| | | ii) two coats | P.Sft | 218.13 | 12.12 | 2,644 |
| 20 | 11/41 | Providing and fixing 3/4" (19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. | P.Sft | 105.00 | 320.05 | 33,605 |
| | **12. WOOD WORK** | | | | | |
| 21a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 21.00 | 14,603.05 | 306,652 |
| 21b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 499.98 | 74.32 | 37,159 |
| 22 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 33.00 | 950.00 | 31,350 |
| 23 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 33.00 | 756.75 | 24,973 |
| 24 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 1.00 | 178.30 | 178 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 25 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 1.00 | 4,400.25 | 4,400 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 327.00 | 47.26 | 15,454 |
| | | **ii) 2nd coat** | P.Sft | 327.00 | 26.52 | 8,672 |
| | **25. IRON WORK** | | | | | |
| 27 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 130.00 | 1,306.55 | 169,852 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 65.00 | 542.80 | 35,282 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 130.00 | 1,191.85 | 154,941 |
| 30 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 256.25 | 1,648.65 | 422,467 |
| 31 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 3,632.41 | 388.93 | 1,412,754 |
| 32 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work;- i) priming coat. | P.Sft | 512.50 | 11.91 | 6,104 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 1,025.00 | 24.24 | 24,846 |
| 33 | 23/26-b | Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects: -b) 4" i/d (100 mm) | Rft | 24.00 | 514.90 | 12,358 |
| | **26. MISCELLANEOUS** | | | | | |
| 34 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 396.13 | 12.55 | 4,971 |
| | | **Total for Each** | | | | **3,571,429** |
| | | **Total for 7 Each** | | | | **25,000,000** |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **25,000,000** |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 7.50 | 7.00 | 1,443.75 | |
| | Footing | | 4 | 5.50 | 9.50 | 7.00 | 1,463.00 | |
| | | | | | | **Total:** | **2,906.75** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 2,906.75 | | | **1,453.38** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 6.00 | 627.75 | |
| | | | | | | **Total:** | **627.75** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 3.50 | 0.25 | 6.88 | |
| | Footing | | 4 | 5.50 | 5.50 | 0.25 | 30.25 | |
| | | | | | | **Total:** | **37.13** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 0.33 | 34.53 | |
| | | | | | | **Total:** | **34.53** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 0.17 | 17.79 | |
| | | | | | | **Total:** | **17.79** | Cft |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | 65% | 1 | 27.50 | 7.50 | 2.00 | 268.13 | |
| | Footing | 65% | 4 | 5.50 | 9.50 | 2.00 | 271.70 | |
| | | | | | | **Total:** | **539.83** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | 35% | 1 | 27.50 | 7.50 | 2.00 | 144.38 | |
| | Footing | 35% | 4 | 5.50 | 9.50 | 2.00 | 146.30 | |
| | | | | | | **Total:** | **290.68** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 3.00 | 0.67 | 18.43 | |
| | Footing | | 4 | 5.00 | 5.00 | 1.00 | 100.00 | |
| | | | | | | **Total:** | **118.43** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 42.50 | 0.75 | 0.75 | 23.91 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 42.50 | 0.75 | 0.75 | 23.91 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 42.50 | 0.75 | 0.75 | 23.91 | |
| iv | **Plinth Columns** | | | | | | | |
| | C-1 | | 4 | 1.00 | 1.00 | 9.75 | 39.00 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **110.72** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 118.43 | 2.50 | Per Cft | 296.06 | |
| | Superstructural | | 1 | 110.72 | 4.50 | Per Cft | 498.23 | |
| | | | | | | **Total** | **794.30** | Kg |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 42.50 | 1.88 | 0.50 | 39.84 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 1 | 42.50 | 1.50 | 0.50 | 31.88 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 1 | 42.50 | 1.13 | 0.50 | 23.91 | |
| | **4th Steps** | | | | | | | |
| | Long Wall A | | 1 | 42.50 | 0.75 | 7.75 | 247.03 | |
| | | | | | | **Total:** | **342.66** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | Avg | | |
| | Shop | | 1 | 16.83 | 0.75 | 14.63 | 184.60 | |
| | | | 1 | 12.05 | 0.75 | 13.25 | 119.75 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 3.00 | 0.75 | 11.00 | (24.75) | |
| | W-1 | | -1 | 4.00 | 0.75 | 11.00 | (33.00) | |
| | W-2 | | -1 | 3.00 | 0.75 | 7.00 | (15.75) | |
| | | | | | | **Total:** | **230.85** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Shop | | 1 | 12.00 | 6.75 | 0.33 | 26.73 | |
| | | | | | | **Total:** | **26.73** | **Cft** |
| 15 | **Porcelain glazed tiles 24"X24"** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Shop | | 1 | 11.00 | 6.00 | | 66.00 | |
| | | | | | | **Total** | **66.00** | Sft |
| 16 | **Wall skirting** | | | | | | | |
| | Shop | | 1 | 15.50 | | 0.50 | 7.75 | |
| | Shop | | 1 | 6.75 | | 0.50 | 3.38 | |
| | | | | | | **Total** | **11.13** | Sft |
| 17 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Shop | | 1 | 15.50 | | 14.63 | 226.69 | |
| | Shop | | 1 | 6.75 | | 13.25 | 89.44 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.00 | | 11.00 | (33.00) | |
| | W-1 | | -1 | 4.00 | | 11.00 | (44.00) | |
| | W-2 | | -1 | 3.00 | | 7.00 | (21.00) | |
| | | | | | | **Total** | **218.13** | Sft |
| 18 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | | | 1 | 35.00 | Rft | 14.00 | 490.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.00 | | 11.00 | (33.00) | |
| | W-1 | | -2 | 4.00 | | 11.00 | (88.00) | |
| | W-2 | | -2 | 3.00 | | 7.00 | (42.00) | |
| | | | | | | **Total** | **327.00** | Sft |
| 19 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Qty as per internal plaster of walls | | | | | | 218.13 | |
| | | | | | | **Total** | **218.13** | Sft |
| 20 | **Sandstone** | | | | | | | |
| | duck Area wall | | 1 | 35.00 | | 3.00 | 105.00 | |
| | | | | | | **Total** | **105.00** | Sft |
| 21a | **Wooden Cladding Sheet** | | | 35.00 | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | 0.042 | 3.86 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | 0.042 | 4.20 | |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | 0.042 | 4.00 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | 0.042 | 0.86 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | 0.042 | 1.28 | |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | 0.042 | 6.80 | |
| | | | | | | **Total:** | **21.00** | **Cft** |
| 21b | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | | 92.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | | 100.00 | |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | | 95.12 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | | 20.50 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | | 30.36 | |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | | 162.00 | |
| | | | | | | **Total:** | **499.98** | **Sft** |
| 22 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-2 | | 1 | 3.00 | | 11.00 | 33.00 | |
| | | | | | | **Total** | **33.00** | Cft |
| 23 | **MS/ GI Chowkat singel/double** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | D-2 | | 1 | 3.00 | | 11.00 | 33.00 | |
| | | | | | | **Total** | **33.00** | Sft |
| 24 | **Door Stops** | | | | | | | |
| | D-2 | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 25 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | D-2 | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 327.00 | |
| | | | | | | **Total** | **327.00** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 2 | 4.00 | | 11.00 | 88.00 | |
| | W-2 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | | **Total** | **130.00** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 130.00 | 50% | | 65.00 | |
| | | | | | | **Total** | **65.00** | Sft |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 130.00 | | | 130.00 | |
| | | | | | | **Total** | **130.00** | Sft |
| 30 | **Sandwich Panels** | | | | | | | |
| i | Roof Area | | 2 | 10.25 | 12.50 | | 256.25 | |
| | | | | | | **Total** | **256.25** | Sft |
| 31 | **Fabrication of heavy steel work** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Shop**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | 0.042 | 3.86 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | 0.042 | 4.20 | Cft |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | 0.021 | 2.00 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | 0.021 | 0.43 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | 0.042 | 1.28 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | 0.042 | 6.80 | Cft |
| | M.S Base Plate 12"x12"x1/2" | 1 | 4 | 1.00 | 1.00 | 0.042 | 0.17 | Cft |
| | J Bolts 3/4" dia | 4 | 4 | 0.0031 | Area | 2.00 | 0.10 | Cft |
| | | | | | | **Total** | **18.84** | Cft |
| | | | | **18.84** | Lbs Per cft | **425.00** | **8,005.84** | Lbs |
| | | | | | | **Total** | **3,632.41** | Kg |
| 32 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 256.25 | | | 512.50 | |
| | | | | | | **Total** | **512.50** | Sft |
| 33 | **PVC Rain water Pipe 4'' Dia** | | 2 | 12.00 | | | 24.00 | |
| | | | | | | **Total:** | **24.00** | **Rft** |
| 34 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 3.50 | | 96.25 | |
| | Footing | | 1 | 5.50 | 5.50 | | 30.25 | |
| | **sides** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | | 5.00 | 137.50 | |
| | Footing Wall C | | 1 | 5.50 | | 5.00 | 27.50 | |
| | **Under Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | | 104.63 | |
| | | | | | | **Total:** | **396.13** | **Sft** |

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 100,000,000 | |
| | **Grand.Total** | **100,000,000** | **100,000,000** |

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## AMPHITHEATER

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 39,293.63 | 15.82 | 621,625 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 12,966.90 | 7.54 | 97,770 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 63,999.07 | 16.02 | 1,025,265 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 1,696.41 | 375.16 | 636,424 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 1,576.11 | 124.41 | 196,084 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 811.94 | 497.23 | 403,719 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 8,821.31 | 100.03 | 882,396 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 4,749.94 | 41.07 | 195,080 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) Km | | | | |
| | | Foundation | P.Cft | 3,355.35 | 694.70 | 2,330,964 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 14,495.25 | 841.70 | 12,200,652 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 88,430.99 | 303.10 | 26,803,432 |
| 12 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 1,540.35 | 133.62 | 205,822 |

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## AMPHITHEATER

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 425.25 | 81.96 | 34,853 |
| | **7. BRICK WORK** | | | | | |
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 8,483.34 | 370.56 | 3,143,588 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 5,977.13 | 392.61 | 2,346,679 |
| | **10. FLOORING** | | | | | |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,501.06 | 41.07 | 61,648 |
| 17 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | P.Sft | 2,625.00 | 2,511.82 | 6,593,528 |
| 18 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 4,776.09 | 450.10 | 2,149,718 |
| 19 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 824.36 | 451.50 | 372,196 |
| | **11. SURFACE RENDERING** | | | | | |
| 20 | 11/10 b | Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. b) 1:3 | | | | |
| | | Ground Floor | P.Sft | 4,776.09 | 52.67 | 251,557 |
| 21 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 18,135.81 | 46.18 | 837,512 |

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## AMPHITHEATER

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 22 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 6,804.00 | 62.00 | 421,848 |
| 23 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 24,057.50 | 3.93 | 94,546 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 24,057.50 | 8.76 | 210,744 |
| | | ii) two coats | P.Sft | 24,057.50 | 12.12 | 291,577 |
| | **12. WOOD WORK** | | | | | |
| 24 | 12/16 | Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: | | | | |
| | | b) double rebate | P.Sft | 271.95 | 535.65 | 145,670 |
| 25 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 271.95 | 950.00 | 258,353 |
| 26 | 12/22 | Providing and fixing, approved quality mortice lock. | Each | 10.00 | 1,110.00 | 11,100 |
| 27 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 10.00 | 178.30 | 1,783 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 28 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 7,144.20 | 47.26 | 337,635 |
| | | **ii) 2nd coat** | P.Sft | 7,144.20 | 26.52 | 189,464 |
| | **25. IRON WORK** | | | | | |

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## AMPHITHEATER

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 29 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 399.00 | 1,306.55 | 521,313 |
| 30 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 209.48 | 542.80 | 113,703 |
| 31 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 418.95 | 1,191.85 | 499,326 |
| | **26. MISCELLANEOUS** | | | | | |
| 32 | 26/45 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 35,441.16 | 12.55 | 444,787 |
| | | **NON SCHEDULE ITEMS** | | | | 35,067,640 |
| | | **Total** | | | | **100,000,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 270.00 | 5.50 | 8.50 | 12,622.50 | |
| | Footing Wall B | | 1 | 160.00 | 2.50 | 10.00 | 4,000.00 | |
| | Footing Wall C | | 1 | 421.00 | 2.50 | 5.00 | 5,262.50 | |
| | Footing Wall D | | 1 | 195.00 | 2.50 | 5.00 | 2,437.50 | |
| | Footing Wall E | | 1 | 270.00 | 2.50 | 5.00 | 3,375.00 | |
| | Footing Wall F | | 1 | 110.00 | 2.50 | 5.00 | 1,375.00 | |
| | Footing Wall G | | 1 | 630.00 | 2.50 | 4.00 | 6,300.00 | |
| | Footing Wall H | | 1 | 60.00 | 2.50 | 4.00 | 600.00 | |
| | Footing Wall I | | 1 | 145.00 | 2.50 | 4.00 | 1,450.00 | |
| | | | | | **Add 5%** | **Total:** | **39,293.63** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 33% | 39293.63 | | | **12966.90** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Changing Room | | 1 | 21.00 | 10.50 | 3.00 | 661.50 | |
| | Changing Room | | 1 | 14.25 | 10.50 | 3.00 | 448.88 | |
| | Lobby | | 1 | 15.33 | 10.50 | 3.00 | 482.90 | |
| | Toilet | | 2 | 10.50 | 8.88 | 3.00 | 559.13 | |
| | W.C | | 4 | 5.33 | 6.00 | 3.00 | 383.76 | |
| | Stage Ent Area | | 2 | 18.50 | 15.25 | 3.00 | 1,692.75 | |
| | Stage Ent Area | | 2 | 15.25 | 7.00 | 3.00 | 640.50 | |
| | Male Toilet | | 2 | 21.75 | 8.50 | 4.00 | 1,479.00 | |
| | Male Toilet | | 2 | 9.33 | 5.63 | 4.00 | 419.85 | |
| | W.C | | 6 | 3.50 | 5.25 | 4.00 | 441.00 | |
| | Shop | | 6 | 8.84 | 14.00 | 4.00 | 2,970.24 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Shop | | 4 | 8.75 | 15.00 | 4.00 | 2,100.00 | |
| | Shop | | 2 | 18.50 | 15.00 | 4.00 | 2,220.00 | |
| | Shop & Ticking Boot | | 2 | 18.50 | 14.00 | 4.00 | 2,072.00 | |
| | Platform | | 50% | 8876.00 | Are | 10.00 | 44380.00 | |
| | | | | | **Add 5%** | **Total:** | **63,999.07** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 270.00 | 5.50 | 0.25 | 371.25 | |
| | Footing Wall B | | 1 | 160.00 | 2.50 | 0.25 | 100.00 | |
| | Footing Wall C | | 1 | 421.00 | 2.50 | 0.25 | 263.13 | |
| | Footing Wall D | | 1 | 195.00 | 2.50 | 0.25 | 121.88 | |
| | Footing Wall E | | 1 | 270.00 | 2.50 | 0.25 | 168.75 | |
| | Footing Wall F | | 1 | 110.00 | 2.50 | 0.25 | 68.75 | |
| | Footing Wall G | | 1 | 630.00 | 2.50 | 0.25 | 393.75 | |
| | Footing Wall H | | 1 | 60.00 | 2.50 | 0.25 | 37.50 | |
| | Footing Wall I | | 1 | 145.00 | 2.50 | 0.25 | 90.63 | |
| | | | | | **Add 5%** | **Total:** | **1,696.41** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Changing Room | | 1 | 21.00 | 10.50 | 0.33 | 72.77 | |
| | Changing Room | | 1 | 14.25 | 10.50 | 0.33 | 49.38 | |
| | Lobby | | 1 | 15.33 | 10.50 | 0.33 | 53.12 | |
| | Toilet | | 2 | 10.50 | 8.88 | 0.33 | 61.50 | |
| | W.C | | 4 | 5.33 | 6.00 | 0.33 | 42.21 | |
| | Stage Ent Area | | 2 | 18.50 | 15.25 | 0.33 | 186.20 | |
| | Stage Ent Area | | 2 | 15.25 | 7.00 | 0.33 | 70.46 | |
| | Male Toilet | | 2 | 21.75 | 8.50 | 0.33 | 122.02 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Male Toilet | | 2 | 9.33 | 5.63 | 0.33 | 34.64 | |
| | W.C | | 6 | 3.50 | 5.25 | 0.33 | 36.38 | |
| | Shop | | 6 | 8.84 | 14.00 | 0.33 | 245.04 | |
| | Shop | | 4 | 8.75 | 15.00 | 0.33 | 173.25 | |
| | Shop | | 2 | 18.50 | 15.00 | 0.33 | 183.15 | |
| | Shop & Ticking Boot | | 2 | 18.50 | 14.00 | 0.33 | 170.94 | |
| | | | | | **Add 5%** | **Total:** | **1,576.11** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Changing Room | | 1 | 21.00 | 10.50 | 0.17 | 37.49 | |
| | Changing Room | | 1 | 14.25 | 10.50 | 0.17 | 25.44 | |
| | Lobby | | 1 | 15.33 | 10.50 | 0.17 | 27.36 | |
| | Toilet | | 2 | 10.50 | 8.88 | 0.17 | 31.68 | |
| | W.C | | 4 | 5.33 | 6.00 | 0.17 | 21.75 | |
| | Stage Ent Area | | 2 | 18.50 | 15.25 | 0.17 | 95.92 | |
| | Stage Ent Area | | 2 | 15.25 | 7.00 | 0.17 | 36.30 | |
| | Male Toilet | | 2 | 21.75 | 8.50 | 0.17 | 62.86 | |
| | Male Toilet | | 2 | 9.33 | 5.63 | 0.17 | 17.84 | |
| | W.C | | 6 | 3.50 | 5.25 | 0.17 | 18.74 | |
| | Shop | | 6 | 8.84 | 14.00 | 0.17 | 126.24 | |
| | Shop | | 4 | 8.75 | 15.00 | 0.17 | 89.25 | |
| | Shop | | 2 | 18.50 | 15.00 | 0.17 | 94.35 | |
| | Shop & Ticking Boot | | 2 | 18.50 | 14.00 | 0.17 | 88.06 | |
| | | | | | **Add 5%** | **Total:** | **811.94** | Cft |
| 7 | **sub-base course of stone** | | | | | | | |
| | Footing Wall A | 65% | 1 | 270.00 | 5.50 | 2.00 | 1,930.50 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall B | 65% | 1 | 160.00 | 2.50 | 2.00 | 520.00 | |
| | Footing Wall C | 65% | 1 | 421.00 | 2.50 | 2.00 | 1,368.25 | |
| | Footing Wall D | 65% | 1 | 195.00 | 2.50 | 2.00 | 633.75 | |
| | Footing Wall E | 65% | 1 | 270.00 | 2.50 | 2.00 | 877.50 | |
| | Footing Wall F | 65% | 1 | 110.00 | 2.50 | 2.00 | 357.50 | |
| | Footing Wall G | 65% | 1 | 630.00 | 2.50 | 2.00 | 2,047.50 | |
| | Footing Wall H | 65% | 1 | 60.00 | 2.50 | 2.00 | 195.00 | |
| | Footing Wall I | 65% | 1 | 145.00 | 2.50 | 2.00 | 471.25 | |
| | | | | | **Add 5%** | **Total:** | **8,821.31** | Cft |
| 8 | **filling sand** | | | | | | | |
| | Footing Wall A | 35% | 1 | 270.00 | 5.50 | 2.00 | 1,039.50 | |
| | Footing Wall B | 35% | 1 | 160.00 | 2.50 | 2.00 | 280.00 | |
| | Footing Wall C | 35% | 1 | 421.00 | 2.50 | 2.00 | 736.75 | |
| | Footing Wall D | 35% | 1 | 195.00 | 2.50 | 2.00 | 341.25 | |
| | Footing Wall E | 35% | 1 | 270.00 | 2.50 | 2.00 | 472.50 | |
| | Footing Wall F | 35% | 1 | 110.00 | 2.50 | 2.00 | 192.50 | |
| | Footing Wall G | 35% | 1 | 630.00 | 2.50 | 2.00 | 1,102.50 | |
| | Footing Wall H | 35% | 1 | 60.00 | 2.50 | 2.00 | 105.00 | |
| | Footing Wall I | 35% | 1 | 145.00 | 2.50 | 2.00 | 253.75 | |
| | | | | | **Add 5%** | **Total:** | **4,749.94** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 270.00 | 5.50 | 1.00 | 1,485.00 | |
| | Footing Wall B | | 1 | 160.00 | 2.50 | 0.50 | 200.00 | |
| | Footing Wall C | | 1 | 421.00 | 2.50 | 0.33 | 347.33 | |
| | Footing Wall D | | 1 | 195.00 | 2.50 | 0.33 | 160.88 | |
| | Footing Wall E | | 1 | 270.00 | 2.50 | 0.33 | 222.75 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall F | | 1 | 110.00 | 2.50 | 0.33 | 90.75 | |
| | Footing Wall G | | 1 | 630.00 | 2.50 | 0.33 | 519.75 | |
| | Footing Wall H | | 1 | 60.00 | 2.50 | 0.33 | 49.50 | |
| | Footing Wall I | | 1 | 145.00 | 2.50 | 0.33 | 119.63 | |
| | | | | | **Add 5%** | **Total:** | **3,355.35** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Rcc Wall** | | | | | | | |
| | Footing Wall A | | 1 | 270.00 | 0.75 | 9.50 | 1,923.75 | |
| | Footing Wall B | | 1 | 160.00 | 0.75 | 2.25 | 270.00 | |
| | Footing Wall E | | 1 | 270.00 | 0.75 | 10.00 | 2,025.00 | |
| | Footing Wall E Beam | | 1 | 270.00 | 0.75 | 3.50 | 708.75 | |
| | Footing Wall I Beam | | 1 | 145.00 | 1.00 | 1.50 | 217.50 | |
| | Lobby Area | | 1 | 222.00 | 6.00 | 0.50 | 666.00 | |
| | Steps Bottom Slab | | 2 | 65.00 | 62.00 | 0.50 | 4,030.00 | |
| | Steps Bottom Slab | | 1 | 58.00 | 62.00 | 0.50 | 1,798.00 | |
| | Steps | | 1 | 65.00 | 3.00 | 0.50 | 97.50 | |
| | Steps | | .5 | 58.00 | 3.00 | 0.50 | 43.50 | |
| | Slab Area | | 3 | 1,350.00 | Area | 0.50 | 2,025.00 | |
| | | | | | **Add 5%** | **Total** | **14,495.25** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 3,355.35 | 3.50 | Per Cft | 11,743.74 | |
| | Superstructural | | 1 | 14,495.25 | 5.00 | Per Cft | 72,476.25 | |
| | | | | | **Add 5%** | **Total** | **88,430.99** | Kg |
| 12 | **Horizontal DPC** | | | | | | | |
| | Footing Wall C | | 1 | 421.00 | 0.75 | | 315.75 | |
| | Footing Wall D | | 1 | 195.00 | 0.75 | | 146.25 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall E | | 2 | 270.00 | 0.75 | | 405.00 | |
| | Footing Wall F | | 1 | 110.00 | 0.75 | | 82.50 | |
| | Footing Wall G | | 1 | 630.00 | 0.75 | | 472.50 | |
| | Footing Wall H | | 1 | 60.00 | 0.75 | | 45.00 | |
| | | | | | **Add 5%** | **Total:** | **1,540.35** | Sft |
| 13 | **Vertical DPC** | | | | | | | |
| | Footing Wall E | | 1 | 270.00 | | 1.50 | 405.00 | |
| | | | | | **Add 5%** | **Total:** | **425.25** | Sft |
| 14 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall C | | 1 | 421.00 | 1.50 | 0.50 | 315.75 | |
| | Footing Wall D | | 1 | 195.00 | 1.88 | 0.50 | 182.81 | |
| | Footing Wall E | | 1 | 270.00 | 1.88 | 0.50 | 253.13 | |
| | Footing Wall F | | 1 | 110.00 | 1.13 | 0.50 | 61.88 | |
| | Footing Wall G | | 1 | 630.00 | 1.13 | 0.50 | 354.38 | |
| | Footing Wall H | | 1 | 60.00 | 1.13 | 0.50 | 33.75 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall C | | 1 | 421.00 | 1.13 | 0.50 | 236.81 | |
| | Footing Wall D | | 1 | 195.00 | 1.50 | 0.50 | 146.25 | |
| | Footing Wall E | | 1 | 270.00 | 1.50 | 0.50 | 202.50 | |
| | Footing Wall F | | 1 | 110.00 | 0.75 | 5.00 | 412.50 | |
| | Footing Wall G | | 1 | 630.00 | 0.75 | 3.25 | 1,535.63 | |
| | Footing Wall H | | 1 | 60.00 | 0.75 | 3.25 | 146.25 | |
| | **3rd Steps** | | | | | | | |
| | Footing Wall C | | 1 | 421.00 | 0.75 | 5.75 | 1,815.56 | |
| | Footing Wall D | | 1 | 195.00 | 1.13 | 0.50 | 109.69 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall E | | 1 | 270.00 | 1.13 | 0.50 | 151.88 | |
| | **4th Steps** | | | | | | | |
| | Footing Wall D | | 1 | 195.00 | 0.75 | 10.00 | 1,462.50 | |
| | Footing Wall E | | 1 | 270.00 | 0.75 | 3.25 | 658.13 | |
| | | | | | **Add 5%** | **Total:** | **8,483.34** | Cft |
| 15 | **Brick masonry in super structure** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall G | | 1 | 630.00 | 0.75 | 11.00 | 5,197.50 | |
| | Footing Wall H | | 1 | 60.00 | 0.75 | 11.00 | 495.00 | |
| | | | | | **Add 5%** | **Total:** | **5,977.13** | Cft |
| 16 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Changing Room | | 1 | 21.00 | 10.50 | 0.33 | 72.77 | |
| | Changing Room | | 1 | 14.25 | 10.50 | 0.33 | 49.38 | |
| | Lobby | | 1 | 15.33 | 10.50 | 0.33 | 53.12 | |
| | Toilet | | 2 | 10.50 | 8.88 | 0.33 | 61.50 | |
| | W.C | | 4 | 5.33 | 6.00 | 0.33 | 42.21 | |
| | Stage Ent Area | | 2 | 18.50 | 15.25 | 0.33 | 186.20 | |
| | Stage Ent Area | | 2 | 15.25 | 7.00 | 0.33 | 70.46 | |
| | Male Toilet | | 2 | 21.75 | 8.50 | 0.33 | 122.02 | |
| | Male Toilet | | 2 | 9.33 | 5.63 | 0.33 | 34.64 | |
| | W.C | | 6 | 3.50 | 5.25 | 0.33 | 36.38 | |
| | Shop | | 6 | 8.84 | 14.00 | 0.33 | 245.04 | |
| | Shop | | 4 | 8.75 | 15.00 | 0.33 | 173.25 | |
| | Shop | | 2 | 18.50 | 15.00 | 0.33 | 183.15 | |
| | Shop & Ticking Boot | | 2 | 18.50 | 14.00 | 0.33 | 170.94 | |
| | | | | | **Add 5%** | **Total:** | **1,501.06** | **Cft** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 17 | **Shisham wood block flooring** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Platform | | 1 | 2500.00 | Area | | 2500.00 | |
| | | | | | **Add 5%** | **Total** | **2,625.00** | Sft |
| 18 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Changing Room | | 1 | 21.00 | 10.50 | | 220.50 | |
| | Changing Room | | 1 | 14.25 | 10.50 | | 149.63 | |
| | Lobby | | 1 | 15.33 | 10.50 | | 160.97 | |
| | Toilet | | 2 | 10.50 | 8.88 | | 186.38 | |
| | W.C | | 4 | 5.33 | 6.00 | | 127.92 | |
| | Stage Ent Area | | 2 | 18.50 | 15.25 | | 564.25 | |
| | Stage Ent Area | | 2 | 15.25 | 7.00 | | 213.50 | |
| | Male Toilet | | 2 | 21.75 | 8.50 | | 369.75 | |
| | Male Toilet | | 2 | 9.33 | 5.63 | | 104.96 | |
| | W.C | | 6 | 3.50 | 5.25 | | 110.25 | |
| | Shop | | 6 | 8.84 | 14.00 | | 742.56 | |
| | Shop | | 4 | 8.75 | 15.00 | | 525.00 | |
| | Shop | | 2 | 18.50 | 15.00 | | 555.00 | |
| | Shop & Ticking Boot | | 2 | 18.50 | 14.00 | | 518.00 | |
| | | | | | **Add 5%** | **Total** | **4,776.09** | Sft |
| 19 | **Wall skirting** | | | | | | | |
| | Changing Room | | 2 | 21.00 | | 0.50 | 21.00 | |
| | | | 2 | 10.50 | | 0.50 | 10.50 | |
| | Changing Room | | 2 | 14.25 | | 0.50 | 14.25 | |
| | | | 2 | 10.50 | | 0.50 | 10.50 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Lobby | | 2 | 15.33 | | 0.50 | 15.33 | |
| | | | 2 | 10.50 | | 0.50 | 10.50 | |
| | Toilet | | 4 | 10.50 | | 0.50 | 21.00 | |
| | | | 4 | 8.88 | | 0.50 | 17.75 | |
| | W.C | | 8 | 5.33 | | 0.50 | 21.32 | |
| | | | 8 | 6.00 | | 0.50 | 24.00 | |
| | Stage Ent Area | | 4 | 18.50 | | 0.50 | 37.00 | |
| | | | 4 | 15.25 | | 0.50 | 30.50 | |
| | Stage Ent Area | | 4 | 15.25 | | 0.50 | 30.50 | |
| | | | 4 | 7.00 | | 0.50 | 14.00 | |
| | Male Toilet | | 4 | 21.75 | | 0.50 | 43.50 | |
| | | | 4 | 8.50 | | 0.50 | 17.00 | |
| | Male Toilet | | 4 | 9.33 | | 0.50 | 18.66 | |
| | | | 4 | 5.63 | | 0.50 | 11.25 | |
| | W.C | | 12 | 3.50 | | 0.50 | 21.00 | |
| | | | 12 | 5.25 | | 0.50 | 31.50 | |
| | Shop | | 12 | 8.84 | | 0.50 | 53.04 | |
| | | | 12 | 14.00 | | 0.50 | 84.00 | |
| | Shop | | 8 | 8.75 | | 0.50 | 35.00 | |
| | | | 8 | 15.00 | | 0.50 | 60.00 | |
| | Shop | | 4 | 18.50 | | 0.50 | 37.00 | |
| | | | 4 | 15.00 | | 0.50 | 30.00 | |
| | Shop & Ticking Boot | | 4 | 18.50 | | 0.50 | 37.00 | |
| | | | 4 | 14.00 | | 0.50 | 28.00 | |
| | | | | | **Add 5%** | **Total** | **824.36** | Sft |
| 20 | **Ceiling Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Changing Room | | 1 | 21.00 | 10.50 | | 220.50 | |
| | Changing Room | | 1 | 14.25 | 10.50 | | 149.63 | |
| | Lobby | | 1 | 15.33 | 10.50 | | 160.97 | |
| | Toilet | | 2 | 10.50 | 8.88 | | 186.38 | |
| | W.C | | 4 | 5.33 | 6.00 | | 127.92 | |
| | Stage Ent Area | | 2 | 18.50 | 15.25 | | 564.25 | |
| | Stage Ent Area | | 2 | 15.25 | 7.00 | | 213.50 | |
| | Male Toilet | | 2 | 21.75 | 8.50 | | 369.75 | |
| | Male Toilet | | 2 | 9.33 | 5.63 | | 104.96 | |
| | W.C | | 6 | 3.50 | 5.25 | | 110.25 | |
| | Shop | | 6 | 8.84 | 14.00 | | 742.56 | |
| | Shop | | 4 | 8.75 | 15.00 | | 525.00 | |
| | Shop | | 2 | 18.50 | 15.00 | | 555.00 | |
| | Shop & Ticking Boot | | 2 | 18.50 | 14.00 | | 518.00 | |
| | | | | | **Add 5%** | **Total** | **4,776.09** | Sft |
| 21 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Changing Room | | 2 | 21.00 | | 11.00 | 462.00 | |
| | | | 2 | 10.50 | | 11.00 | 231.00 | |
| | Changing Room | | 2 | 14.25 | | 11.00 | 313.50 | |
| | | | 2 | 10.50 | | 11.00 | 231.00 | |
| | Lobby | | 2 | 15.33 | | 11.00 | 337.26 | |
| | | | 2 | 10.50 | | 11.00 | 231.00 | |
| | Toilet | | 4 | 10.50 | | 11.00 | 462.00 | |
| | | | 4 | 8.88 | | 11.00 | 390.50 | |
| | W.C | | 8 | 5.33 | | 11.00 | 469.04 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | 8 | 6.00 | | 11.00 | 528.00 | |
| | Stage Ent Area | | 4 | 18.50 | | 11.00 | 814.00 | |
| | | | 4 | 15.25 | | 11.00 | 671.00 | |
| | Stage Ent Area | | 4 | 15.25 | | 11.00 | 671.00 | |
| | | | 4 | 7.00 | | 11.00 | 308.00 | |
| | Male Toilet | | 4 | 21.75 | | 11.00 | 957.00 | |
| | | | 4 | 8.50 | | 11.00 | 374.00 | |
| | Male Toilet | | 4 | 9.33 | | 11.00 | 410.52 | |
| | | | 4 | 5.63 | | 11.00 | 247.50 | |
| | W.C | | 12 | 3.50 | | 11.00 | 462.00 | |
| | | | 12 | 5.25 | | 11.00 | 693.00 | |
| | Shop | | 12 | 8.84 | | 11.00 | 1,166.88 | |
| | | | 12 | 14.00 | | 11.00 | 1,848.00 | |
| | Shop | | 8 | 8.75 | | 11.00 | 770.00 | |
| | | | 8 | 15.00 | | 11.00 | 1,320.00 | |
| | Shop | | 4 | 18.50 | | 11.00 | 814.00 | |
| | | | 4 | 15.00 | | 11.00 | 660.00 | |
| | Shop & Ticking Boot | | 4 | 18.50 | | 11.00 | 814.00 | |
| | | | 4 | 14.00 | | 11.00 | 616.00 | |
| | | | | | **Add 5%** | **Total** | **18,135.81** | Sft |
| 22 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 2 | 270.00 | Rft | 12.00 | 6,480.00 | |
| | | | | | **Add 5%** | **Total** | **6,804.00** | Sft |
| 23 | **Distempering** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of Slab | | | | | | 4,776.09 | |
| | Qty as per internal plaster of walls | | | | | | 18,135.81 | |
| | | | | | **Add 5%** | **Total** | **24,057.50** | Sft |
| 24 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.00 | | 7.00 | 70.00 | |
| | D-2 | | 6 | 3.50 | | 7.00 | 147.00 | |
| | D-4 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | **Add 5%** | **Total** | **271.95** | Sft |
| 25 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.00 | | 7.00 | 70.00 | |
| | D-2 | | 6 | 3.50 | | 7.00 | 147.00 | |
| | D-4 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | **Add 5%** | **Total** | **271.95** | Sft |
| 26 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 10 | | | | 10.00 | |
| | | | | | | **Total** | **10.00** | **No** |
| 27 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 10 | | | | 10.00 | |
| | | | | | | **Total** | **10.00** | **No** |
| 28 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 6,804.00 | |
| | | | | | **Add 5%** | **Total** | **7,144.20** | Sft |
| 29 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-1 | | 2 | 10.00 | | 6.00 | 120.00 | |
| | W-2 | | 8 | 5.00 | | 6.00 | 240.00 | |
| | V-1 | | 4 | 2.50 | | 2.00 | 20.00 | |
| | | | | | **Add 5%** | **Total** | **399.00** | Sft |
| 30 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per item Window | | 1 | 399.00 | 50% | | 199.50 | |
| | | | | | **Add 5%** | **Total** | **209.48** | Sft |
| 31 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per item Aluminium Window | | 1 | 399.00 | | | 399.00 | |
| | | | | | **Add 5%** | **Total** | **418.95** | Sft |
| 32 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Footing Wall A | | 1 | 270.00 | 5.50 | | 1,485.00 | |
| | Footing Wall B | | 1 | 160.00 | 2.50 | | 400.00 | |
| | Footing Wall C | | 1 | 421.00 | 2.50 | | 1,052.50 | |
| | Footing Wall D | | 1 | 195.00 | 2.50 | | 487.50 | |
| | Footing Wall E | | 1 | 270.00 | 2.50 | | 675.00 | |
| | Footing Wall F | | 1 | 110.00 | 2.50 | | 275.00 | |
| | Footing Wall G | | 1 | 630.00 | 2.50 | | 1,575.00 | |
| | Footing Wall H | | 1 | 60.00 | 2.50 | | 150.00 | |
| | Footing Wall I | | 1 | 145.00 | 2.50 | | 362.50 | |
| | **sides** | | | | | | | |
| | Footing Wall A | | 2 | 270.00 | | 8.50 | 4,590.00 | |
| | Footing Wall B | | 2 | 160.00 | | 10.00 | 3,200.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**AMPHITHEATER**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall C | | 2 | 421.00 | | 5.00 | 4,210.00 | |
| | Footing Wall D | | 2 | 195.00 | | 5.00 | 1,950.00 | |
| | Footing Wall E | | 2 | 270.00 | | 5.00 | 2,700.00 | |
| | Footing Wall F | | 2 | 110.00 | | 5.00 | 1,100.00 | |
| | Footing Wall G | | 2 | 630.00 | | 4.00 | 5,040.00 | |
| | Footing Wall H | | 2 | 60.00 | | 4.00 | 480.00 | |
| | Footing Wall I | | 2 | 145.00 | | 4.00 | 1,160.00 | |
| | **Under Floor** | | | | | | | |
| | Changing Room | | 1 | 21.00 | 10.50 | | 220.50 | |
| | Changing Room | | 1 | 14.25 | 10.50 | | 149.63 | |
| | Lobby | | 1 | 15.33 | 10.50 | | 160.97 | |
| | Toilet | | 2 | 10.50 | 8.88 | | 186.38 | |
| | W.C | | 4 | 5.33 | 6.00 | | 127.92 | |
| | Stage Ent Area | | 2 | 18.50 | 15.25 | | 564.25 | |
| | Stage Ent Area | | 2 | 15.25 | 7.00 | | 213.50 | |
| | Male Toilet | | 2 | 21.75 | 8.50 | | 369.75 | |
| | Male Toilet | | 2 | 9.33 | 5.63 | | 104.96 | |
| | W.C | | 6 | 3.50 | 5.25 | | 110.25 | |
| | Shop | | 6 | 8.84 | 14.00 | | 742.56 | |
| | Shop | | 4 | 8.75 | 15.00 | | 525.00 | |
| | Shop | | 2 | 18.50 | 15.00 | | 555.00 | |
| | Shop & Ticking Boot | | 2 | 18.50 | 14.00 | | 518.00 | |
| | | | | | | **Total:** | **35,441.16** | **Sft** |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Picnic Area Development

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 3,500,000 | |
| | **Grand.Total** | **3,500,000** | **3,500,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Rest Rooms near (3+3) Block

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 7,500,000 | |
| | **Net Total** | **7,500,000** | **7,500,000** |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 6,383.16 | 15.82 | 100,982 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 3,191.58 | 7.54 | 24,065 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 2,309.54 | 16.02 | 36,999 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 135.86 | 375.16 | 50,969 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 218.87 | 124.41 | 27,229 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 112.75 | 497.23 | 56,063 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 1,760.36 | 100.03 | 176,089 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 947.89 | 41.07 | 38,930 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 179.33 | 694.70 | 124,584 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 545.77 | 841.70 | 459,370 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 3,049.49 | 303.10 | 924,301 |
| 12 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 63.79 | 133.62 | 8,523 |
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 127.58 | 81.96 | 10,456 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **7. BRICK WORK** | | | | | |
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 697.01 | 370.56 | 258,283 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 1,332.42 | 392.61 | 523,121 |
| | **10. FLOORING** | | | | | |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 218.87 | 41.07 | 8,989 |
| 17 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 491.53 | 312.65 | 153,677 |
| 18 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 1,533.80 | 384.70 | 590,052 |
| 19 | 10/46-c(i) | Providing and laying superb quality Porcelain glazed tiles **flooring** of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the jointsi/ccutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequred Tiles (i) 300mmx300 mm | P.Sft | 113.40 | 272.45 | 30,896 |
| 20 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 233.63 | 1,233.15 | 288,095 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **11. SURFACE RENDERING** | | | | | |
| 21 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 3,204.22 | 46.18 | 147,971 |
| 22 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,512.00 | 62.00 | 93,744 |
| 23 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 3,364.43 | 3.93 | 13,222 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 3,364.43 | 8.76 | 29,472 |
| | | ii) two coats | P.Sft | 3,364.43 | 12.12 | 40,777 |
| | **12. WOOD WORK** | | | | | |
| 24a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 34.09 | 14,603.05 | 497,769 |
| 24b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 811.59 | 74.32 | 60,317 |
| 25 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 80.85 | 950.00 | 76,808 |
| 26 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 80.85 | 756.75 | 61,183 |
| 27 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 28 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 2.00 | 4,400.25 | 8,801 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 29 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,587.60 | 47.26 | 75,030 |
| | | **ii) 2nd coat** | P.Sft | 1,587.60 | 26.52 | 42,103 |
| | **25. IRON WORK** | | | | | |
| 30 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 110.25 | 1,306.55 | 144,047 |
| 31 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 57.88 | 542.80 | 31,418 |
| 32 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 115.76 | 1,191.85 | 137,972 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 33 | 25/64 | Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge. | P.Rft | 25.20 | 3,346.10 | 84,322 |
| 34 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,092.00 | 1,648.65 | 1,800,326 |
| 36 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 3,276.00 | 11.91 | 39,017 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 6,552.00 | 24.24 | 158,820 |
| | **26. MISCELLANEOUS** | | | | | |
| 37 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 5,167.51 | 12.55 | 64,852 |
| | | **Total** | | | | **7,500,000** |
| | | **G.TOTAL** | | | | **7,500,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| 1 | **Excavation in foundation** | | | | | | |
| | **Footing** | | | | | | |
| | Long Wall A | | 2 | 34.50 | 7.00 | 5.00 | 2,415.00 |
| | Short Wall A | | 3 | 20.84 | 7.00 | 5.00 | 2,188.20 |
| | Long Wall B | | 1 | 34.50 | 6.00 | 4.00 | 828.00 |
| | Long Wall B | | 4 | 6.75 | 6.00 | 4.00 | 648.00 |
| | | | | | **Add 5%** | **Total:** | **6,383.16** |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 6,383.16 | | | **3191.58** |
| | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | |
| | Male & Female Toilet | | 2 | 16.50 | 8.25 | 4.00 | 1089.00 |
| | W.C | | 4 | 3.50 | 6.25 | 4.00 | 350.00 |
| | W.C | | 2 | 8.67 | 6.25 | 4.00 | 433.50 |
| | Ramp & Ent Area | | 2 | 10.00 | 4.50 | 2.00 | 180.00 |
| | Podium | | 2 | 8.17 | 4.50 | 2.00 | 147.06 |
| | | | | | **Add 5%** | **Total:** | **2,309.54** |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | |
| | Long Wall A | | 2 | 34.50 | 3.00 | 0.25 | 51.75 |
| | Short Wall A | | 3 | 20.84 | 3.00 | 0.25 | 46.89 |
| | Long Wall B | | 1 | 34.50 | 2.00 | 0.25 | 17.25 |
| | Long Wall B | | 4 | 6.75 | 2.00 | 0.25 | 13.50 |
| | | | | | **Add 5%** | **Total:** | **135.86** |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Male & Female Toilet | | 2 | 16.50 | 8.25 | 0.33 | 89.84 |
| | W.C | | 4 | 3.50 | 6.25 | 0.33 | 28.88 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 |
| | Ramp & Ent Area | | 2 | 10.00 | 4.50 | 0.33 | 29.70 |
| | Podium | | 2 | 8.17 | 4.50 | 0.33 | 24.26 |
| | | | | | **Add 5%** | **Total:** | **218.87** |
| 6 | **P.C.C 1:2:4** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Male & Female Toilet | | 2 | 16.50 | 8.25 | 0.17 | 46.28 |
| | W.C | | 4 | 3.50 | 6.25 | 0.17 | 14.88 |
| | W.C | | 2 | 8.67 | 6.25 | 0.17 | 18.42 |
| | Ramp & Ent Area | | 2 | 10.00 | 4.50 | 0.17 | 15.30 |
| | Podium | | 2 | 8.17 | 4.50 | 0.17 | 12.50 |
| | | | | | **Add 5%** | **Total:** | **112.75** |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate | | | | | | |
| | **Footing** | | | | | | |
| | Long Wall A | 65% | 2 | 34.50 | 7.00 | 2.00 | 627.90 |
| | Short Wall A | 65% | 3 | 20.84 | 7.00 | 2.00 | 568.93 |
| | Long Wall B | 65% | 1 | 34.50 | 6.00 | 2.00 | 269.10 |
| | Long Wall B | 65% | 4 | 6.75 | 6.00 | 2.00 | 210.60 |
| | | | | | **Add 5%** | **Total:** | **1,760.36** |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | |
| | **Footing** | | | | | | |
| | Long Wall A | 35% | 2 | 34.50 | 7.00 | 2.00 | 338.10 |
| | Short Wall A | 35% | 3 | 20.84 | 7.00 | 2.00 | 306.35 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Long Wall B | 35% | 1 | 34.50 | 6.00 | 2.00 | 144.90 |
| | Long Wall B | 35% | 4 | 6.75 | 6.00 | 2.00 | 113.40 |
| | | | | | **Add 5%** | **Total:** | **947.89** |
| 9 | **R.C.C. in Raft foundation** | | | | | | |
| | Long Wall A | | 2 | 34.50 | 3.00 | 0.33 | 68.31 |
| | Short Wall A | | 3 | 20.84 | 3.00 | 0.33 | 61.89 |
| | Long Wall B | | 1 | 34.50 | 2.00 | 0.33 | 22.77 |
| | Long Wall B | | 4 | 6.75 | 2.00 | 0.33 | 17.82 |
| | | | | | **Add 5%** | **Total:** | **179.33** |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | |
| i | **Plinth Band** | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 0.75 | 30.94 |
| | Short Wall A | | 3 | 10.50 | 0.75 | 0.75 | 17.72 |
| | Long Wall B | | 1 | 55.00 | 0.75 | 0.75 | 30.94 |
| ii | **Lintel Band** | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 0.75 | 30.94 |
| | Short Wall A | | 3 | 10.50 | 0.75 | 0.75 | 17.72 |
| | Long Wall B | | 1 | 55.00 | 0.75 | 0.75 | 30.94 |
| iii | **Roof Band** | | | | | | |
| | Long Wall A | | 1 | 55.00 | 0.75 | 0.75 | 30.94 |
| | Short Wall A | | 3 | 10.50 | 0.75 | 0.75 | 17.72 |
| | Long Wall B | | 1 | 55.00 | 0.75 | 0.75 | 30.94 |
| iv | **Pedestal** | | | | | | |
| | P-1 | | 14 | 1.50 | 1.50 | 8.25 | 259.88 |
| | self | | 2 | 16.00 | 2.00 | 0.33 | 21.12 |
| | | | | | **Add 5%** | **Total** | **545.77** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| 11 | **Reinforcement** | | | | | | |
| | RCC Footing | | 1 | 179.33 | 2.50 | Per Cft | 448.34 |
| | Superstructural | | 1 | 545.77 | 4.50 | Per Cft | 2,455.94 |
| | | | | | **Add 5%** | **Total** | **3,049.49** |
| 12 | **Horizontal DPC** | | | | | | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 0.75 | | 41.25 |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 0.75 | | 19.50 |
| | | | | | **Add 5%** | **Total:** | **63.79** |
| 13 | **Vertical DPC** | | | | | | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | | 1.50 | 82.50 |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | | 1.50 | 39.00 |
| | | | | | **Add 5%** | **Total:** | **127.58** |
| 14 | **Brick masonry in Foundation** | | | | | | |
| | **Ist Steps** | | | | | | |
| | Long Wall A | | 2 | 34.50 | 1.50 | 0.50 | 103.50 |
| | Short Wall A | | 3 | 20.84 | 1.50 | 0.50 | 93.78 |
| | Long Wall B | | 1 | 34.50 | 1.50 | 0.50 | 51.75 |
| | Long Wall B | | 4 | 6.75 | 1.13 | 0.50 | 30.38 |
| | **2nd Steps** | | | | | | |
| | Long Wall A | | 2 | 34.50 | 1.13 | 0.50 | 77.63 |
| | Short Wall A | | 3 | 20.84 | 1.13 | 0.50 | 70.34 |
| | Long Wall B | | 1 | 34.50 | 1.13 | 0.50 | 38.81 |
| | Long Wall B | | 4 | 6.75 | 1.13 | 0.50 | 30.38 |
| | **3rd Steps** | | | | | | |
| | Long Wall A | | 2 | 34.50 | 0.75 | 4.50 | 51.75 |
| | Short Wall A | | 3 | 20.84 | 0.75 | 4.50 | 46.89 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Long Wall B | | 1 | 34.50 | 0.75 | 4.50 | 25.88 |
| | Long Wall B | | 4 | 6.75 | 0.75 | 4.50 | 20.25 |
| | Ent Steps | | | | | | |
| | 1st Steps | | 1 | 15.00 | 2.00 | 0.50 | 15.00 |
| | 2nd Steps | | 1 | 15.00 | 1.00 | 0.50 | 7.50 |
| | | | | | **Add 5%** | **Total:** | **697.01** |
| 15 | **Brick masonry in super structure** | | | | | | |
| | **Ground Floor** | | | | | | |
| | Long Wall A | | 2 | 34.50 | 0.75 | 10.50 | 543.38 |
| | Short Wall A | | 3 | 20.84 | 0.75 | 10.50 | 492.35 |
| | Long Wall B | | 1 | 34.50 | 0.75 | 10.50 | 271.69 |
| | Long Wall B | | 4 | 6.75 | 0.38 | 10.50 | 106.31 |
| | **Deduction** | | | | | | |
| | D-1 | | -2 | 5.50 | 0.75 | 7.00 | (57.75) |
| | D-2 | | -2 | 3.50 | 0.38 | 7.00 | (18.38) |
| | D-2 | | -4 | 2.50 | 0.38 | 7.00 | (26.25) |
| | W-1 | | -2 | 6.50 | 0.75 | 2.50 | (24.38) |
| | V-1 | | -6 | 2.00 | 0.75 | 2.00 | (18.00) |
| | | | | | **Add 5%** | **Total:** | **1,332.42** |
| 16 | **Sand filling** | | | | | | |
| | Male & Female Toilet | | 2 | 16.50 | 8.25 | 0.33 | 89.84 |
| | W.C | | 4 | 3.50 | 6.25 | 0.33 | 28.88 |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 |
| | Ramp & Ent Area | | 2 | 10.00 | 4.50 | 0.33 | 29.70 |
| | Podium | | 2 | 8.17 | 4.50 | 0.33 | 24.26 |
| | | | | | **Add 5%** | **Total:** | **218.87** |
| 17 | **Superb Quality Ceramic tile** | | | | | | |
| i | **Ground Floor** | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Male & Female Toilet | | 2 | 16.50 | 8.25 | | 272.25 |
| | W.C | | 4 | 3.50 | 6.25 | | 87.50 |
| | W.C | | 2 | 8.67 | 6.25 | | 108.38 |
| | | | | | **Add 5%** | **Total** | **491.53** |
| 18 | **Wall skirting/dado** | | | | | | |
| | Male & Female Toilet | | 4 | 16.50 | | 7.00 | 462.00 |
| | | | 4 | 8.25 | | 7.00 | 231.00 |
| | W.C | | 8 | 3.50 | | 7.00 | 196.00 |
| | | | 8 | 6.25 | | 7.00 | 350.00 |
| | W.C | | 4 | 8.67 | | 7.00 | 242.76 |
| | | | 4 | 6.25 | | 7.00 | 175.00 |
| | **Deduction** | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 |
| | D-2 | | -2 | 3.50 | | 7.00 | -49.00 |
| | D-3 | | -4 | 2.50 | | 7.00 | -70.00 |
| | | | | | **Add 5%** | **Total** | **1,533.80** |
| 19 | **Non-Skid Chequred Tiles Ramp** | | | | | | |
| | Ramp | | 2 | 12.00 | 4.50 | | 108.00 |
| | | | | | **Add 5%** | **Total** | **113.40** |
| 20 | **Prepolished Granite** | | | | | | |
| | **Entrance step** | | | | | | |
| | **Front Side** | | | | | | |
| | Podium | | 1 | 15.00 | 4.50 | | 67.50 |
| | 1st Treads | | 2 | 15.00 | 1.00 | | 30.00 |
| | 1st Riser | | 2 | 15.00 | | 0.50 | 15.00 |
| | **Window Sills** | | | | | | |
| | W-1 | | 4 | 6.50 | 1.00 | | 26.00 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | V-1 | | 10 | 2.00 | 1.00 | | 20.00 |
| | Vanity shelf | | 2 | 16.00 | 2.00 | | 64.00 |
| | | | | | **Add 5%** | **Total** | **233.63** |
| 21 | **Internal Wall Plaster** | | | | | | |
| i | **Ground Floor** | | | | | avg | |
| | Male & Female Toilet | | 4 | 16.50 | | 10.50 | 693.00 |
| | | | 4 | 8.25 | | 10.50 | 346.50 |
| | W.C | | 16 | 3.50 | | 10.50 | 588.00 |
| | | | 16 | 6.25 | | 10.50 | 1050.00 |
| | W.C | | 4 | 8.67 | | 10.50 | 364.14 |
| | | | 4 | 6.25 | | 10.50 | 262.50 |
| | **Deduction** | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 |
| | D-2 | | -2 | 3.50 | | 7.00 | -49.00 |
| | D-2 | | -4 | 2.50 | | 7.00 | -70.00 |
| | W-1 | | -2 | 6.50 | | 2.50 | -32.50 |
| | V-1 | | -6 | 2.00 | | 2.00 | -24.00 |
| | | | | | **Add 5%** | **Total** | **3,204.22** |
| 22 | **External Wall Plaster** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | **External wall** | | | | | Avg | |
| | Long Wall A | | 1 | 144.00 | Rft | 10.00 | 1,440.00 |
| | | | | | **Add 5%** | **Total** | **1,512.00** |
| 23 | **Distempering** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 3,204.22 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | | | | | **Add 5%** | **Total** | **3,364.43** |
| 24a | **Wooden Cladding Sheet** | | | | | | |
| | **Type A Roof** | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 |
| | | | | | **Add 5%** | **Total:** | **34.09** |
| 24b | **Wooden Cladding Sheet** | | | | | | |
| | **Type A Roof** | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | | 394.94 |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | | 378.00 |
| | | | | | **Add 5%** | **Total:** | **811.59** |
| 25 | **Soild Core Door** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 |
| | | | | | **Add 5%** | **Total** | **80.85** |
| 26 | **M.S chowkat** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 |
| | | | | | **Add 5%** | **Total** | **80.85** |
| 27 | **Mortice Lock** | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 |
| | | | | | | **Total** | **2.00** |
| 28 | **Door Stops** | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 |
| | | | | | | **Total** | **2.00** |
| 29 | **Weathersheild paint** | | | | | | |
| i | **Ground Floor** | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Qty as per External plaster of walls | | | | | | 1,512.00 |
| | | | | | **Add 5%** | **Total** | **1,587.60** |
| 30 | **Aluminium Window** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | W-1 | | 4 | 6.50 | | 2.50 | 65.00 |
| | V-1 | | 10 | 2.00 | | 2.00 | 40.00 |
| | | | | | **Add 5%** | **Total** | **110.25** |
| 31 | **Aluminum Fly screen** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Qty same as per window | | 1 | 110.25 | 50% | | 55.13 |
| | | | | | **Add 5%** | **Total** | **57.88** |
| 32 | **M.S. flat grill** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Qty same as per window | | 1 | 110.25 | | | 110.25 |
| | | | | | **Add 5%** | **Total** | **115.76** |
| 33 | **M.S. Stair Railing** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Ramp Railing | | 2 | 12.00 | | | 24.00 |
| | | | | | **Add 5%** | **Total** | **25.20** |
| 34 | **Sandwich Panels** | | | | | | |
| | Sheet Area | | 1 | 40.00 | 26.00 | | 1,040.00 |
| | | | | | **Add 5%** | **Total** | **1,092.00** |
| 35 | **Fabrication of heavy steel work** | | | | | | |
| | **Type A Roof** | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 5 | 26.00 | 2.17 | 0.04 | 11.85 |
| | Purlin Box 3"x6"x1/4" | 1 | 8 | 40.00 | 1.00 | 0.02 | 6.72 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Cleat Angle 1 1/2"x1 1/2:x1/4" | 1 | 5 | 0.50 | 0.25 | 0.02 | 0.01 |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 9.00 | 3.00 | 0.04 | 11.34 |
| | M.S Base Plate 15"x15"x1/2" | 1 | 10 | 1.25 | 1.25 | 0.04 | 0.66 |
| | J Bolts 3/4" dia | 4 | 10 | 0.0031 | Area | 2.00 | 0.25 |
| | | | | | **Add 5%** | **Total** | **32.36** |
| | | | | **32.36** | Lbs Per cft | **490.00** | **15,858.38** |
| | | | | | | **Total** | **7,195.27** |
| | | | | **Add 10% Revit & Extra Work** | | | **7,914.80** |
| 36 | **Painting of Iron Work** | | | | | | |
| | Sheet Area | | 2 | 1,092.00 | | | 2,184.00 |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1092.00 |
| | | | | | | **Total** | **3,276.00** |
| 37 | **Termite proofing under foundations** | | | | | | |
| | **at beds** | | | | | | |
| | Long Wall A | | 5 | 34.50 | 3.00 | | 517.50 |
| | Short Wall A | | 5 | 20.84 | 3.00 | | 312.60 |
| | Long Wall B | | 5 | 34.50 | 2.00 | | 345.00 |
| | Long Wall B | | 5 | 6.75 | 2.00 | | 67.50 |
| | **sides** | | | | | | |
| | Long Wall A | | 5 | 34.50 | | 3.00 | 517.50 |
| | Short Wall A | | 6 | 20.84 | | 3.00 | 375.12 |
| | Long Wall B | | 5 | 34.50 | | 2.00 | 345.00 |
| | Long Wall B | | 8 | 6.75 | | 2.00 | 108.00 |
| | **Under Floor** | | | | | | |
| | Male & Female Toilet | | 9 | 16.50 | 8.25 | | 1225.13 |
| | W.C | | 9 | 3.50 | 6.25 | | 196.88 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Rest Rooms near (3+3) Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | W.C | | 9 | 8.67 | 6.25 | | 487.69 |
| | Ramp & Ent Area | | 8 | 10.00 | 4.50 | | 360.00 |
| | Podium | | 8 | 8.60 | 4.50 | | 309.60 |
| | | | | | | **Total:** | **5,167.51** |
| NS-1 | **Artifical Cladding** | | | | | Avg | |
| | | | 1 | 114.00 | | 10.00 | 1,140.00 |
| | **Deduction** | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 |
| | W-1 | | -2 | 6.50 | | 2.50 | -32.50 |
| | V-1 | | -6 | 2.00 | | 2.00 | -24.00 |
| | | | | | | **Total:** | **1,006.50** |
| NS-2 | **Wood Plastic Composite (WPC)** | | | | | | |
| | D-2 | | 2 | 3.50 | | 7.00 | 49.00 |
| | D-2 | | 4 | 2.50 | | 7.00 | 70.00 |
| | | | | | | **Total:** | **119.00** |
| NS-3 | **WPC architrave 3"** | | | | | | |
| | D-2 | | 4 | 3.50 | | 7.00 | 98.00 |
| | D-2 | | 8 | 2.50 | | 7.00 | 140.00 |
| | | | | | | **Total:** | **238.00** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Animal Enclosures Area Kanal

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 100,000,000 | |
| | **Grand.Total** | **100,000,000** | **100,000,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Development of Mini Forrest (Area Kanal)

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 20,000,000 | |
| | **Grand.Total** | **20,000,000** | **20,000,000** |

| Sr. No | DESCRIPTION OF WORK | UNIT | QUANTITY | RATE (PKR) | AMOUNT (PKR) |
|---|---|---|---|---|---|
| | **Cleaning Work** | | | | |
| 1 | CLEARING JUNGLE (ORDINARY) BY CUTTING, REMOVING ALL SHRUBS, TREES UP TO 450 MM, GIRTH (18¿) ETC, & TALKING OUT THEIR ENTIRE ROOTS AND FILLING THE HOLES IN LAYERS WITH EARTH COMPETE WITH DRESSING, CONSOLIDATING AND WATERING THE FILLING INCLUDING STACKING THE SERVICEABLE MATERIAL & DISPOSAL OF USELESS MATERIALS AS DIRECTED. | Cft | 3,580 | 1,300 | 4,654,000 |
| | **Soil Laying** | | | | |
| 2 | Laying of Soil for vegetation and other necessary puposes | Sft | 7,800 | 250 | 1,950,000 |
| | **Area Development** | | | | |
| 3 | Providing and devlopment of foreast area by planting fruit trees and other trees . | Sft | 10,500 | 380 | 3,990,000 |
| | **misscellenous** | | | | |
| 4 | As specified in drawings and design. | Each | 1 | 950,000 | 950,000 |
| 8 | Provision and installation of internal beautification items i.e bridges, viewing decks, sitting chairs, benches, tables, artificial waterfall, bird living huts, breeding rooms, paving pathways, signboards, and sculptures within the bird aviary. The work includes design, fabrication, and installation of all elements, ensuring structural stability, aesthetic appeal, and durability. All components to be made from weather-resistant and eco-friendly materials, complete with necessary finishes, coatings, and fixtures for long-term sustainability | LS | 1 | 8,456,000 | 8,456,000 |
| | | | | | |
| | **TOTAL ESTIMATED COST (PKR)** | | | | **20,000,000** |

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 37,500,000 | |
| | **Grand.Total** | **37,500,000** | **37,500,000** |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 4,000.00 | 15.82 | 63,280 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 3,338.50 | 7.54 | 25,172 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 588.00 | 16.02 | 9,420 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 250.00 | 375.16 | 93,790 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 55.44 | 124.41 | 6,897 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 28.56 | 497.23 | 14,201 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 1,300.00 | 100.03 | 130,039 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 700.00 | 41.07 | 28,749 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 aiii 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,500.00 | 694.70 | 1,042,050 |
| 10 | 6/6 ai 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 439.13 | 841.70 | 369,612 |
| 11 | 6/12 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 8,172.86 | 303.10 | 2,477,195 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 226.13 | 392.61 | 88,779 |
| | **10. FLOORING** | | | | | |
| 13 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 55.44 | 41.07 | 2,277 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 14 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 168.00 | 450.10 | 75,617 |
| 15 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 38.00 | 451.50 | 17,157 |
| | **11. SURFACE RENDERING** | | | | | |
| 16 | 11/10 b | Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. b) 1:3 | | | | |
| | | Ground Floor | P.Sft | 168.00 | 52.67 | 8,849 |
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 681.00 | 46.18 | 31,449 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 685.00 | 62.00 | 42,470 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 681.00 | 3.93 | 2,676 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 681.00 | 8.76 | 5,966 |
| | | ii) two coats | P.Sft | 681.00 | 12.12 | 8,254 |
| | **12. WOOD WORK** | | | | | |
| 20 | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 613.87 | 14,603.05 | 8,964,404 |
| 21 | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 1,691.55 | 74.32 | 125,716 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 22 | 12/16 | Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: | | | | |
| | | b) double rebate | P.Sft | 35.00 | 535.65 | 18,748 |
| 23 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 35.00 | 950.00 | 33,250 |
| 24 | 12/22 | Providing and fixing, approved quality mortice lock. | Each | 2.00 | 1,110.00 | 2,220 |
| 25 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: **i) 1st coat** | P.Sft | 685.00 | 47.26 | 32,373 |
| | | **ii) 2nd coat** | P.Sft | 685.00 | 26.52 | 18,166 |
| | **25. IRON WORK** | | | | | |
| 27 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 120.00 | 1,306.55 | 156,786 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 60.00 | 542.80 | 32,568 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 120.00 | 1,191.85 | 143,022 |
| 30 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 2,000.00 | 388.93 | 777,860 |
| 31 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 3,539.16 | 11.91 | 42,151 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 3,539.16 | 24.24 | 85,789 |
| | **26. MISCELLANEOUS** | | | | | |
| 32 | 26/45 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 1,888.00 | 12.55 | 23,694 |
| | NS-1 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel.. | P.Sft | 2500 | 2150 | 5,375,000 |
| | NS-2 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing. | P.Sft | 2500 | 400 | 1,000,000 |
| | NS-3 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 2500 | 450 | 1,125,000 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | NS-4 | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | **-** | **-** | 14,998,999 |
| | | **Total** | | | | **37,500,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing | | 2 | 20.00 | 25.00 | 4.00 | 4,000.00 | |
| | | | | | | **Total:** | **4,000.00** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 100% | 4,000.00 | | | 4,000.00 | |
| | **D/d Pcc** | | -2 | 13.50 | 14.00 | 0.25 | (94.50) | |
| | **D/d Rcc** | | -2 | 13.00 | 13.50 | 1.50 | (526.50) | |
| | **D/d Rcc Columns** | | -8 | 1.50 | 1.50 | 2.25 | (40.50) | |
| | | | | | | **Total:** | **3,338.50** | Cft |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ticket Room | | 2 | 7.00 | 12.00 | 3.50 | 588.00 | |
| | | | | | | **Total:** | **588.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing | | 2 | 20.00 | 25.00 | 0.25 | 250.00 | |
| | | | | | | **Total:** | **250.00** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ticket Room | | 2 | 7.00 | 12.00 | 0.33 | 55.44 | |
| | | | | | | **Total:** | **55.44** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ticket Room | | 2 | 7.00 | 12.00 | 0.17 | 28.56 | |
| | | | | | | **Total:** | **28.56** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing | 65% | 2 | 20.00 | 25.00 | 2.00 | 1,300.00 | |
| | | | | | | **Total:** | **1,300.00** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing | 35% | 2 | 20.00 | 25.00 | 2.00 | 700.00 | |
| | | | | | | **Total:** | **700.00** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing | | 2 | 20.00 | 25.00 | 1.50 | 1,500.00 | |
| | | | | | | **Total:** | **1,500.00** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| a | **Plinth Columns** | | | | | | | |
| | C-1 | | 8 | 1.50 | 1.50 | 6.25 | 112.50 | |
| c | **Plinth Bemas** | | | | | | | |
| | PB-1 | | 4 | 5.50 | 1.00 | 1.50 | 33.00 | |
| | PB-1 | | 4 | 6.00 | 1.00 | 1.50 | 36.00 | |
| d | **Roof Bemas** | | | | | | | |
| | Ground Floor | | | | | | | |
| | B-1 | | 4 | 5.50 | 1.00 | 1.00 | 22.00 | |
| | B-1 | | 4 | 6.00 | 1.00 | 1.00 | 24.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | First Floor | | | | | | | |
| | BB-1 | | 4 | 5.50 | 1.00 | 1.50 | 33.00 | |
| | BB-1 | | 4 | 6.00 | 1.00 | 1.50 | 36.00 | |
| e | **Roof Slab** | | | | | | | |
| | Ground Floor | | | | | | | |
| | Slab Area | | 2 | 8.50 | 14.50 | 0.50 | 123.25 | |
| | Ticket Shelf | | 2 | 7.00 | 2.00 | 0.25 | 7.00 | |
| | window shed | | 4 | 2.50 | 3.75 | 0.33 | 12.38 | |
| | | | | | | **Total** | **439.13** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,500.00 | 3.50 | Per Cft | 5,250.00 | |
| | Superstructural | | 1 | 439.13 | 4.50 | Per Cft | 1,976.06 | |
| | | | | | | **Total** | **7,226.06** | Kg |
| 12 | **Brick masonry in super structure** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ticket Room | | 2 | 7.00 | 0.75 | 11.00 | 115.50 | |
| | Ticket Room | | 2 | 13.75 | 0.75 | 11.00 | 226.88 | |
| | Deduction | | | | | | | |
| | Door | | -2 | 2.50 | 0.75 | 7.00 | (26.25) | |
| | window | | -2 | 4.00 | 0.75 | 5.00 | (30.00) | |
| | window | | -2 | 8.00 | 0.75 | 5.00 | (60.00) | |
| | | | | | | **Total:** | **226.13** | Cft |
| 13 | **Sand filling** | | | | | | | |
| | Ticket Room | | 2 | 7.00 | 12.00 | 0.33 | 55.44 | |
| | | | | | | **Total:** | **55.44** | **Cft** |
| 14 | **Porcelain glazed tiles 24"X24"** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Ticket Room | | 2 | 7.00 | 12.00 | | 168.00 | |
| | | | | | | **Total** | **168.00** | Sft |
| 15 | **Wall skirting** | | | | | | | |
| | Ticket Room | | 4 | 7.00 | | 0.50 | 14.00 | |
| | | | 4 | 12.00 | | 0.50 | 24.00 | |
| | | | | | | **Total** | **38.00** | Sft |
| 16 | **Ceiling Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ticket Room | | 2 | 7.00 | 12.00 | | 168.00 | |
| | | | | | | **Total** | **168.00** | Sft |
| 17 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ticket Room | | 4 | 7.00 | | 11.00 | 308.00 | |
| | | | 4 | 12.00 | | 11.00 | 528.00 | |
| | Deduction | | | | | | | |
| | Door | | -2 | 2.50 | | 7.00 | (35.00) | |
| | window | | -2 | 4.00 | | 5.00 | (40.00) | |
| | window | | -2 | 8.00 | | 5.00 | (80.00) | |
| | | | | | | **Total** | **681.00** | Sft |
| 18 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 2 | 35.00 | Rft | 12.00 | 840.00 | |
| | Deduction | | | | | | | |
| | Door | | -2 | 2.50 | | 7.00 | (35.00) | |
| | window | | -2 | 4.00 | | 5.00 | (40.00) | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | window | | -2 | 8.00 | | 5.00 | (80.00) | |
| | | | | | | **Total** | **685.00** | Sft |
| 19 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of Slab | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 681.00 | |
| | | | | | | **Total** | **681.00** | Sft |
| 20 | **Wooden Cladding Sheet** | | | | | | | |
| | | 50% | 2 | 20.00 | 0.84 | 27.000 | 453.60 | |
| | | 50% | 2 | 13.00 | 0.84 | 12.000 | 131.04 | |
| | | | | | **Add 5%** | **Total:** | **613.87** | **Cft** |
| 21 | **French polishing** | | | | | | | |
| | | 50% | 2 | 45.00 | | 27.000 | 1,215.00 | |
| | | 50% | 2 | 33.00 | | 12.000 | 396.00 | |
| | | | | | **Add 5%** | **Total:** | **1,691.55** | **Sft** |
| 22 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Door 1 | | 2 | 2.50 | | 7.00 | 35.00 | |
| | | | | | | **Total** | **35.00** | Sft |
| 23 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Door 1 | | 2 | 2.50 | | 7.00 | 35.00 | |
| | | | | | | **Total** | **35.00** | Sft |
| 24 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 25 | **Door Stops** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 685.00 | |
| | | | | | | **Total** | **685.00** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 2 | 4.00 | | 5.00 | 40.00 | |
| | W-2 | | 2 | 8.00 | | 5.00 | 80.00 | |
| | | | | | | **Total** | **120.00** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per item Window | | 1 | 120.00 | 50% | | 60.00 | |
| | | | | | | **Total** | **60.00** | Sft |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per item Aluminium Window | | 1 | 120.00 | | | 120.00 | |
| | | | | | | **Total** | **120.00** | Sft |
| 30 | **Fabrication of heavy steel work** | | | | | | | |
| | MS Box 6"x6"x1/4" | 3 | 4 | 19.75 | 2.00 | 0.021 | 9.95 | Cft |
| | MS Box 6"x6"x1/4" | 3 | 4 | 21.25 | 2.00 | 0.021 | 10.71 | Cft |
| | MS Box 6"x6"x1/4" | 3 | 2 | 60.00 | 2.00 | 0.021 | 15.12 | Cft |
| | Truss MS Box 6"x6"x1/4" | 2 | 2 | 33.50 | 2.00 | 0.021 | 5.63 | Cft |
| | Truss MS Box 6"x6"x1/4" | 2 | 5 | 14.50 | 2.00 | 0.021 | 6.09 | Cft |
| | Center MS Box 3"x3"x1/8" | 1 | 14 | 12.00 | 1.32 | 0.011 | 2.33 | Cft |
| | Center MS Box 3"x3"x1/8" | 1 | 2 | 33.50 | 1.32 | 0.011 | 0.93 | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Center MS Box 3"x3"x1/8" | 1 | 2 | 14.50 | 1.32 | 0.011 | 0.40 | Cft |
| | Center MS Box 3"x3"x1/8" | 1 | 24 | 7.75 | 1.32 | 0.011 | 2.58 | Cft |
| | Columns Box 10" dia x1/4" | 1 | 8 | 30.00 | 2.64 | 0.021 | 13.29 | Cft |
| | M.S Base Plate 16"dia x 1 1/2" | 4 | 8 | 1.5607 | Area | 0.125 | 6.24 | Cft |
| | Anchor Bolts 3/4" dia | 8 | 8 | 0.0031 | Area | 3.00 | 0.59 | Cft |
| | | | | | **Add 5%** | **Total** | **77.56** | Cft |
| | | | | **77.56** | Lbs Per cft | **490.00** | **38,002.97** | Lbs |
| | | | | | | **Total** | **17,242.73** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **18,967.00** | Kg |
| 31 | **Painting of Iron Work** | | | | | | | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | | | | | |
| | MS Box 6"x6"x1/4" | 3 | 4 | 19.75 | 2.00 | | 474.00 | |
| | MS Box 6"x6"x1/4" | 3 | 4 | 21.25 | 2.00 | | 510.00 | |
| | MS Box 6"x6"x1/4" | 3 | 2 | 60.00 | 2.00 | | 720.00 | |
| | Truss MS Box 6"x6"x1/4" | 2 | 2 | 33.50 | 2.00 | | 268.00 | |
| | Truss MS Box 6"x6"x1/4" | 2 | 5 | 14.50 | 2.00 | | 290.00 | |
| | Center MS Box 3"x3"x1/8" | 1 | 14 | 12.00 | 1.32 | | 221.76 | |
| | Center MS Box 3"x3"x1/8" | 1 | 2 | 33.50 | 1.32 | | 88.44 | |
| | Center MS Box 3"x3"x1/8" | 1 | 2 | 14.50 | 1.32 | | 38.28 | |
| | Center MS Box 3"x3"x1/8" | 1 | 24 | 7.75 | 1.32 | | 245.52 | |
| | Columns Box 10" dia x1/4" | 1 | 8 | 30.00 | 2.64 | | 633.02 | |
| | M.S Base Plate 16"dia x 1 1/2" | 4 | 8 | 1.5607 | Area | | 49.94 | |
| | Anchor Bolts 3/4" dia | 8 | 8 | 0.0031 | Area | | 0.20 | |
| | | | | | | **Total** | **3,539.16** | Sft |
| 32 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**JUNGLE SAFARI GATE**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | footing | | 2 | 20.00 | 25.00 | | 1,000.00 | |
| | **sides** | | | | | | | |
| | footing | | 4 | 20.00 | | 4.00 | 320.00 | |
| | footing | | 4 | 25.00 | | 4.00 | 400.00 | |
| | **Under Floor** | | | | | | | |
| | Ticket | | 2 | 7.00 | 12.00 | | 168.00 | |
| | | | | | | **Total:** | **1,888.00** | **Sft** |
| | | | | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Ticketing Counter**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 5,330,000 | |
| | **Total Schedule Items** | **5,330,000** | **5,330,000** |
| | **Net Total** | | **5,330,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Ticketing Counter**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 4,725.00 | 15.82 | 74,749.50 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 2,362.50 | 7.54 | 17,813.25 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 1,575.50 | 16.02 | 25,239.51 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 22.50 | 375.16 | 8,441.10 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 129.98 | 124.41 | 16,170.66 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 66.96 | 497.23 | 33,293.90 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 3,071.25 | 100.03 | 307,217.14 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,653.75 | 41.07 | 67,919.51 |
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 60.30 | 694.70 | 41,890.41 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Ticketing Counter**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 292.50 | 841.70 | 246,197.25 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 1,467.00 | 303.10 | 444,647.70 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 725.63 | 370.56 | 268,887.60 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 928.88 | 392.61 | 364,685.61 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 129.98 | 41.07 | 5,338.23 |
| 15 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 393.88 | 450.10 | 177,283.14 |
| 16 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 56.50 | 451.50 | 25,509.75 |
| | **11. SURFACE RENDERING** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Ticketing Counter**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,331.50 | 46.18 | 61,488.67 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,235.50 | 62.00 | 76,601.00 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 1,331.50 | 3.93 | 5,232.80 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 1,331.50 | 8.76 | 11,663.94 |
| | | ii) two coats | P.Sft | 1,331.50 | 12.12 | 16,137.78 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 20 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,235.50 | 47.26 | 58,389.73 |
| | | **ii) 2nd coat** | P.Sft | 1,235.50 | 26.52 | 32,765.46 |
| | **25. IRON WORK** | | | | | |
| 21 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 77.00 | 1,306.55 | 100,604.35 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Ticketing Counter**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 22 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 38.50 | 542.80 | 20,897.80 |
| 23 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 77.00 | 1,191.85 | 91,772.45 |
| 24 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 510.00 | 1,648.65 | 840,811.50 |
| 25 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 4,581.51 | 388.93 | 1,781,886.04 |
| 26 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 1,530.00 | 11.91 | 18,222.30 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 3,060.00 | 24.24 | 74,174.40 |
| | **26. MISCELLANEOUS** | | | | | |
| 27 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 1,120.92 | 12.55 | 14,067.55 |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **5,330,000** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **MEASURMENT SHEETS** | | | | | | | | |
| **SUMMARY OF COST** | | | | | | | | |
| **Construction of the Ticketing Counter** | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 90.00 | 7.50 | 7.00 | 4,725.00 | |
| | | | | | | **Total:** | **4,725.00** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 4,725.00 | | | **2,362.50** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Office | | 1 | 15.75 | 10.00 | 4.00 | 630.00 | |
| | Ticketing | | 1 | 15.25 | 15.50 | 4.00 | 945.50 | |
| | | | | | | **Total:** | **1,575.50** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 90.00 | 3.50 | 0.25 | 22.50 | |
| | | | | | | **Total:** | **22.50** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Office | | 1 | 15.75 | 10.00 | 0.33 | 51.98 | |
| | Ticketing | | 1 | 15.25 | 15.50 | 0.33 | 78.00 | |
| | | | | | | **Total:** | **129.98** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Office | | 1 | 15.75 | 10.00 | 0.17 | 26.78 | |
| | Ticketing | | 1 | 15.25 | 15.50 | 0.17 | 40.18 | |
| | | | | | | **Total:** | **66.96** | Cft |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Ticketing Counter**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | 65% | 1 | 90.00 | 7.50 | 7.00 | 3,071.25 | |
| | | | | | | **Total:** | **3,071.25** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | 35% | 1 | 90.00 | 7.50 | 7.00 | 1,653.75 | |
| | | | | | | **Total:** | **1,653.75** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 90.00 | 3.00 | 0.67 | 60.30 | |
| | | | | | | **Total:** | **60.30** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 90.00 | 0.75 | 0.75 | 50.63 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 90.00 | 0.75 | 0.75 | 50.63 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 90.00 | 0.75 | 0.75 | 50.63 | |
| iv | **Plinth Columns** | | | | | | | |
| | C-1 | | 10 | 1.50 | 1.50 | 6.25 | 140.63 | |
| | | | | | | **Total** | **292.50** | Cft |
| 11 | **Reinforcement** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Ticketing Counter**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | RCC Footing | | 1 | 60.30 | 2.50 | Per Cft | 150.75 | |
| | Superstructural | | 1 | 292.50 | 4.50 | Per Cft | 1,316.25 | |
| | | | | | | **Total** | **1,467.00** | Kg |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 90.00 | 1.88 | 0.50 | 84.38 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 1 | 90.00 | 1.50 | 0.50 | 67.50 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 1 | 90.00 | 1.13 | 0.50 | 50.63 | |
| | **4th Steps** | | | | | | | |
| | Long Wall A | | 1 | 90.00 | 0.75 | 7.75 | 523.13 | |
| | | | | | | **Total:** | **725.63** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | Avg | | |
| | | | 1 | 90.00 | 0.75 | 12.00 | 810.00 | |
| | | | 1 | 15.25 | 0.75 | 12.00 | 137.25 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 3.50 | 0.75 | 7.00 | (18.38) | |
| | | | | | | **Total:** | **928.88** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Office | | 1 | 15.75 | 10.00 | 0.33 | 51.98 | |
| | Ticketing | | 1 | 15.25 | 15.50 | 0.33 | 78.00 | |
| | | | | | | **Total:** | **129.98** | **Cft** |
| 15 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Office | | 1 | 15.75 | 10.00 | | 157.50 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Ticketing Counter**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ticketing | | 1 | 15.25 | 15.50 | | 236.38 | |
| | | | | | | **Total** | **393.88** | Sft |
| 16 | **Wall skirting** | | | | | | | |
| | Office | | 2 | 15.75 | | 0.50 | 15.75 | |
| | Office | | 2 | 10.00 | | 0.50 | 10.00 | |
| | Ticketing | | 2 | 15.25 | | 0.50 | 15.25 | |
| | Ticketing | | 2 | 15.50 | | 0.50 | 15.50 | |
| | | | | | | **Total** | **56.50** | Sft |
| 17 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Office | | 2 | 15.75 | | 12.00 | 378.00 | |
| | Office | | 2 | 10.00 | | 12.00 | 240.00 | |
| | Ticketing | | 2 | 15.25 | | 12.00 | 366.00 | |
| | Ticketing | | 2 | 15.50 | | 12.00 | 372.00 | |
| | **Deduction** | | | | | 12.00 | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | | | | | | **Total** | **1,331.50** | Sft |
| 18 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | | | 1 | 90.00 | Rft | 14.00 | 1,260.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | | | | | | **Total** | **1,235.50** | Sft |
| 19 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 1,331.50 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Ticketing Counter**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **1,331.50** | Sft |
| 20 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 1,235.50 | |
| | | | | | | **Total** | **1,235.50** | Sft |
| 21 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 1 | 5.00 | | 7.00 | 35.00 | |
| | W-2 | | 1 | 6.00 | | 7.00 | 42.00 | |
| | | | | | | **Total** | **77.00** | Sft |
| 22 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 77.00 | 50% | | 38.50 | |
| | | | | | | **Total** | **38.50** | Sft |
| 23 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 77.00 | | | 77.00 | |
| | | | | | | **Total** | **77.00** | Sft |
| 24 | **Sandwich Panels** | | | | | | | |
| i | Roof Area | | 1 | 17.00 | 30.00 | | 510.00 | |
| | | | | | | **Total** | **510.00** | Sft |
| 25 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 15.00 | 2.00 | 0.042 | 2.52 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 1 | 2 | 10.00 | 2.00 | 0.042 | 1.68 | Cft |
| | Top Purlin 4"x6"x1/4" | 1 | 2 | 10.25 | 1.16 | 0.021 | 0.50 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 1 | 2 | 10.25 | 0.25 | 0.021 | 0.11 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | 0.042 | 1.28 | Cft |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **MEASURMENT SHEETS** | | | | | | | | |
| **SUMMARY OF COST** | | | | | | | | |
| **Construction of the Ticketing Counter** | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | 0.042 | 13.86 | Cft |
| | M.S Base Plate 12"x12"x1/2" | 1 | 10 | 1.00 | 1.00 | 0.042 | 0.42 | Cft |
| | J Bolts 3/4" dia | 4 | 10 | 0.0031 | Area | 2.00 | 0.25 | Cft |
| | | | | | | **Total** | **20.61** | Cft |
| | | | | **20.61** | Lbs Per cft | **490.00** | **10,097.64** | Lbs |
| | | | | | | **Total** | **4,581.51** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **5,039.66** | Kg |
| 26 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 510.00 | | | 1,020.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 510.00 | |
| | | | | | | **Total** | **1,530.00** | Sft |
| 27 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Footing Wall A | | 1 | 90.00 | 3.50 | | 315.00 | |
| | **sides** | | | | | | | |
| | Footing Wall A | | 2 | 90.00 | | 3.00 | 540.00 | |
| | **Under Floor** | | | | | | | |
| | Office | | 1 | 8.00 | 10.00 | | 80.00 | |
| | Ticketing | | 2 | 6.64 | 14.00 | | 185.92 | |
| | | | | | | **Total:** | **1,120.92** | **Sft** |

**ROUGH COST ESTIMATE**

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Tram Station near Main Safari Gate alongwith Charging Station Civil and Allied Works

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 65,000,000 | |
| | | | |
| | **Net Total** | **65,000,000** | **65,000,000** |

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 29,484.00 | 20.82 | 613,857 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 9,729.72 | 7.54 | 73,362 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 9,003.35 | 16.02 | 144,234 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 520.00 | 375.16 | 195,083 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 990.00 | 124.41 | 123,166 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 510.00 | 497.23 | 253,587 |
| | 18/3 aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 6,388.20 | 100.03 | 639,012 |
| | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 3,439.80 | 41.07 | 141,273 |

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,176.00 | 694.70 | 816,967 |
| 8 | 6/6 ai 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 962.16 | 841.70 | 809,850 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 5,238.48 | 303.10 | 1,587,783 |
| | | | | | | |
| 10 | 6/37 a ii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 217.50 | 133.62 | 29,062 |
| 11 | 6/39/ a (1- b) | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 435.00 | 81.96 | 35,653 |

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 814.70 | 370.56 | 301,896 |
| | **10. FLOORING** | | | | | |
| 13 | 10- 23 | 1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete,including rubbing and polishing complete with finishing :<br>-(a) using grey cement | Sft | 637.50 | 298.76 | 190,460 |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 918.97 | 41.07 | 37,742 |
| 15 | 10/25 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/ Matt/ Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 3,000.00 | 384.70 | 1,154,100 |
| | **11. SURFACE RENDERING** | | | | | |
| 16 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 576.00 | 46.18 | 26,600 |
| | **26. MISCELLANEOUS** | | | | | |
| 17 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 6,324.75 | 12.55 | 79,376 |
| 18 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 2900.00 | 388.93 | 1,127,897 |

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 19 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 15,624.00 | 11.91 | 186,082 |
| | | ii) each subsequent coat of paint. 2 coat | P.Sft | 2,000.00 | 16.16 | 32,320 |
| 20 | 9/13 a | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- a) 20 BWG | P.Sft | 3,500.00 | 481.97 | 1,686,895 |
| 15 | **NS-1** | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel.. | P.Sft | 2,281.65 | 2,150.00 | 4,905,548 |
| 16 | **NS-2** | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing. | P.Sft | 2,281.65 | 400.00 | 912,660 |
| 17 | **NS-3** | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 2,281.65 | 450.00 | 1,026,743 |
| 18 | - | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | - | - | 15,000,000 |
| | | **ESTIMATED AMOUNT POST FOR NON SCHEDULE AND POST DESIGN** | | | | 32,868,795 |
| | | **Total** | | | | 65,000,000 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 6.00 | 6.00 | 8,640.00 | |
| | Short Wall A | | 2 | 25.00 | 6.00 | 6.00 | 1,800.00 | |
| | F-1 | | 24 | 11.50 | 11.50 | 6.00 | 19,044.00 | |
| | | | | | | **Total:** | **29,484.00** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 33% | 29484.00 | | | **9729.72** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Tram Platform | | 1 | 120.00 | 39.50 | 6.00 | 28440.00 | |
| | Planter Filling | 1 | 12 | 5.50 | 1.75 | 2.75 | 317.63 | |
| | | | -67% | 29,484.00 | | | -19754.28 | |
| | | | | | | **Total:** | **9,003.35** | Cft |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 65% | 2 | 120.00 | 6.00 | 2.00 | 1,872.00 | |
| | Short Wall A | 65% | 2 | 25.00 | 6.00 | 2.00 | 390.00 | |
| | F-1 | 65% | 24 | 11.50 | 11.50 | 2.00 | 4,126.20 | |
| | | | | | | **Total:** | **6,388.20** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 35% | 2 | 120.00 | 6.00 | 2.00 | 1,008.00 | |
| | Short Wall A | 35% | 2 | 25.00 | 6.00 | 2.00 | 210.00 | |
| | F-1 | 35% | 24 | 11.50 | 11.50 | 2.00 | 2,221.80 | |
| | | | | | | **Total:** | **3,439.80** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 2.00 | 0.25 | 120.00 | |
| | Short Wall A | | 2 | 25.00 | 2.00 | 0.25 | 25.00 | |
| | F-1 | | 24 | 7.50 | 7.50 | 0.25 | 337.50 | |
| | Planter Bed | 1 | 12 | 6.25 | 2.00 | 0.25 | 37.50 | |
| | | | | | | **Total:** | **520.00** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Tram Platform | | 1 | 120.00 | 25.00 | 0.33 | 990.00 | |
| | | | | | | **Total:** | **990.00** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Tram Platform | | 1 | 120.00 | 25.00 | 0.17 | 510.00 | |
| | | | | | | **Total:** | **510.00** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | F-1 | | 24 | 7.00 | 7.00 | 1.00 | 1,176.00 | |
| | | | | | | **Total:** | **1,176.00** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1 | | 24 | Area | 3.14 | 6.00 | 452.16 | |
| | Plinth Beam | | 8 | 34.00 | 1.25 | 1.50 | 510.00 | |
| | | | | | | **Total** | **962.16** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,176.00 | 2.00 | Per Cft | 2,352.00 | |
| | Superstructural | | 1 | 962.16 | 3.00 | Per Cft | 2,886.48 | |
| | | | | | | **Total** | **5,238.48** | Kg |
| 10 | **Horizontal DPC** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 0.75 | | 180.00 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | | 37.50 | |
| | | | | | | **Total:** | **217.50** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 11 | **Vertical DPC** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | | 1.50 | 360.00 | |
| | Short Wall A | | 2 | 25.00 | | 1.50 | 75.00 | |
| | | | | | | **Total:** | **435.00** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 1.125 | 0.50 | 135.00 | |
| | Short Wall A | | 2 | 25.00 | 1.125 | 0.50 | 28.13 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 0.75 | 2.00 | 360.00 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | 2.00 | 75.00 | |
| | **Planter L/wall** | 2 | 12 | 6.25 | 0.38 | 3.00 | 169.20 | |
| | S/wall | 2 | 12 | 1.75 | 0.38 | 3.00 | 47.38 | |
| | | | | | | **Total:** | **814.70** | Cft |
| 13 | **Terrzo Planter Bed** | 1 | 12 | 5.50 | 1.75 | | 115.50 | |
| | **Planter L/wall** | 2 | 12 | 5.50 | | 3.00 | 396.00 | |
| | S/wall | 2 | 12 | 1.75 | | 3.00 | 126.00 | |
| | | | | | | **Total:** | **637.50** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Tram Platform | | 1 | 118.50 | 23.50 | 0.33 | 918.97 | |
| | | | | | | **Total:** | **918.97** | **Cft** |
| 15 | **Wooden Texture Tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Tram Platform | | 1 | 120.00 | 25.00 | | 3000.00 | |
| | | | | | | **Total** | **3,000.00** | Sft |
| 16 | **Planter** | | | | | | | |
| | Planter L/wall | 2 | 12 | 6.00 | | 3.00 | 432.00 | Sft |
| | S/w | 2 | 12 | 2.00 | | 3.00 | 144.00 | Sft |
| | | | | | | **Total:** | **576.00** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 17 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 2.00 | | 480.00 | |
| | Short Wall A | | 2 | 25.00 | 2.00 | | 100.00 | |
| | F-1 | | 8 | 7.50 | 7.50 | | 450.00 | |
| | **sides** | | | | | | | |
| | Long Wall A | | 4 | 120.00 | | 2.00 | 960.00 | |
| | Short Wall A | | 4 | 25.00 | | 2.00 | 200.00 | |
| | Columns Footing | | 24 | 7.50 | | 7.50 | 1,350.00 | |
| | **Under Floor** | | | | | | | |
| | Tram Platform | | 1 | 118.50 | 23.50 | | 2784.75 | |
| | | | | | | **Total:** | **6,324.75** | **Sft** |
| | | | | | | | | |
| 18 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc. | | | | | | | |
| | Ms pipe 6"*6" Short side | | 8 | 32.00 | 2.00 | 0.04167 | 21.33 | Cft |
| | Ms pipe 6"*6" Long side | | 2 | 112.83 | 2.00 | 0.04167 | 18.81 | Cft |
| | Ms pipe 6"*6" in Slope | | 16 | 23.25 | 2.00 | 0.04167 | 31.00 | Cft |
| | Ms pipe 3"*3" in Trus | | 8 | 88.00 | 1.00 | 0.01042 | 7.33 | Cft |
| | Ms pipe 4"*4" Vertical | | 8 | 12.25 | 1.33 | 0.02083 | 2.72 | Cft |
| | Ms pipe 8" Dia ,1" Thick Side Pillers | | 24 | 22.33 | 0.349 | 0.02083 | 3.90 | Cft |
| | | | | | | Total | 85.09 | Cft |
| | **Total Weight of Steel Shed** | | | 85.09 | Per Cft Lbs | 490.00 | **41694.59** | **Lbs** |
| | | | | | | **Total** | **18917.69** | **Kgs** |
| | M.S Base plate18" dia 1.5 inch thick | | 24 | 1.77 | Area | 0.13 | 5.30 | Cft |
| | M.S Base plate10" dia 1 inch thick | | 48 | 0.54 | Area | 0.08 | 2.18 | Cft |
| | | | | | | Total | 7.48 | Cft |
| | unit weight 1 inch dia | | | 7.48 | Per Rft weight | 490.00 | 3,665.87 | Lbs |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **1,663.28** | Kg |
| | **Plain Rowel Bolt in Columns** | | 24 | 8.00 | | 3.50 | 672.00 | Rft |
| | unit weight 1 inch dia | | | 672.00 | Kg Per Rft weight | 0.68 | 457.35 | Kg |
| | | | | | | **Total** | **457.35** | Kg |
| | | | | | | **Grand Total** | **21,038.32** | Kg |
| | | | | | | | | |
| 19 | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | | | | | | | |
| | Tram Station Shad | | 2 | | **5208.00** | Area | 10416.00 | **Sft** |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 5208.00 | **Sft** |
| | | | | | **Total Area:** | | **15624.00** | **Sft** |
| 20 | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- a) 20 BWG | | | | **Total Area:** | | **5208.00** | **Sft** |
| NS-1 | Providing and fixing 2" thick artifical Clading etc complete & weather sheild 2 coat as per architectural drawing and as approved by the engineer incharge. | P.Sft | 24 | 22.33 | Area | 0.78500 | 420.70 | **Sft** |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

**ENGINEER'S COST ESTIMATE**

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Tram Station near Jungle Safari Café**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 45,000,000 | |
| | | | |
| | **Net Total** | **45,000,000** | **45,000,000** |

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 29,484.00 | 20.82 | 613,857 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 9,729.72 | 7.54 | 73,362 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 9,003.35 | 16.02 | 144,234 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 520.00 | 375.16 | 195,083 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 990.00 | 124.41 | 123,166 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 510.00 | 497.23 | 253,587 |
| | 18/3 aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 6,388.20 | 100.03 | 639,012 |
| | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 3,439.80 | 41.07 | 141,273 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,176.00 | 694.70 | 816,967 |

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 ai 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 962.16 | 841.70 | 809,850 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 5,238.48 | 303.10 | 1,587,783 |
| | | | | | | |
| 10 | 6/37 a ii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 217.50 | 133.62 | 29,062 |
| 11 | 6/39/ a (1- b) | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 435.00 | 81.96 | 35,653 |

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 814.70 | 370.56 | 301,896 |
| | **10. FLOORING** | | | | | |
| 13 | 10- 23 | 1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete,including rubbing and polishing complete with finishing :<br>-(a) using grey cement | Sft | 637.50 | 298.76 | 190,460 |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 918.97 | 41.07 | 37,742 |
| 15 | 10/25 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/ Matt/ Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 3,000.00 | 384.70 | 1,154,100 |
| | **11. SURFACE RENDERING** | | | | | |
| 16 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 576.00 | 46.18 | 26,600 |
| | **26. MISCELLANEOUS** | | | | | |
| 17 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 6,324.75 | 12.55 | 79,376 |
| 18 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 2900.00 | 388.93 | 1,127,897 |
| 19 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 15,624.00 | 11.91 | 186,082 |
| | | ii) each subsequent coat of paint. 2 coat | P.Sft | 2,000.00 | 16.16 | 32,320 |
| 20 | 9/13 a | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- a) 20 BWG | P.Sft | 3,500.00 | 481.97 | 1,686,895 |

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 15 | **NS-1** | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel.. | P.Sft | 2,281.65 | 2,150.00 | 4,905,548 |
| 16 | **NS-2** | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing. | P.Sft | 2,281.65 | 400.00 | 912,660 |
| 17 | **NS-3** | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 2,281.65 | 450.00 | 1,026,743 |
| 18 | - | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | **LS** | - | - | 15,000,000 |
| | | **ESTIMATED AMOUNT POST FOR NON SCHEFULE AND POST DESIGN** | | | | 12,868,795 |
| | | **Total** | | | | 45,000,000 |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 6.00 | 6.00 | 8,640.00 | |
| | Short Wall A | | 2 | 25.00 | 6.00 | 6.00 | 1,800.00 | |
| | F-1 | | 24 | 11.50 | 11.50 | 6.00 | 19,044.00 | |
| | | | | | | **Total:** | **29,484.00** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 33% | 29484.00 | | | **9729.72** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Tram Platform | | 1 | 120.00 | 39.50 | 6.00 | 28440.00 | |
| | Planter Filling | 1 | 12 | 5.50 | 1.75 | 2.75 | 317.63 | |
| | | | -67% | 29,484.00 | | | -19754.28 | |
| | | | | | | **Total:** | **9,003.35** | Cft |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel endaggregate | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 65% | 2 | 120.00 | 6.00 | 2.00 | 1,872.00 | |
| | Short Wall A | 65% | 2 | 25.00 | 6.00 | 2.00 | 390.00 | |
| | F-1 | 65% | 24 | 11.50 | 11.50 | 2.00 | 4,126.20 | |
| | | | | | | **Total:** | **6,388.20** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 35% | 2 | 120.00 | 6.00 | 2.00 | 1,008.00 | |
| | Short Wall A | 35% | 2 | 25.00 | 6.00 | 2.00 | 210.00 | |
| | F-1 | 35% | 24 | 11.50 | 11.50 | 2.00 | 2,221.80 | |
| | | | | | | **Total:** | **3,439.80** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 2.00 | 0.25 | 120.00 | |
| | Short Wall A | | 2 | 25.00 | 2.00 | 0.25 | 25.00 | |
| | F-1 | | 24 | 7.50 | 7.50 | 0.25 | 337.50 | |
| | Planter Bed | 1 | 12 | 6.25 | 2.00 | 0.25 | 37.50 | |
| | | | | | | **Total:** | **520.00** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Tram Platform | | 1 | 120.00 | 25.00 | 0.33 | 990.00 | |
| | | | | | | **Total:** | **990.00** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Tram Platform | | 1 | 120.00 | 25.00 | 0.17 | 510.00 | |
| | | | | | | **Total:** | **510.00** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | F-1 | | 24 | 7.00 | 7.00 | 1.00 | 1,176.00 | |
| | | | | | | **Total:** | **1,176.00** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1 | | 24 | Area | 3.14 | 6.00 | 452.16 | |
| | Plinth Beam | | 8 | 34.00 | 1.25 | 1.50 | 510.00 | |
| | | | | | | **Total** | **962.16** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,176.00 | 2.00 | Per Cft | 2,352.00 | |
| | Superstructural | | 1 | 962.16 | 3.00 | Per Cft | 2,886.48 | |
| | | | | | | **Total** | **5,238.48** | Kg |
| 10 | **Horizontal DPC** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 0.75 | | 180.00 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | | 37.50 | |
| | | | | | | **Total:** | **217.50** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 11 | **Vertical DPC** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | | 1.50 | 360.00 | |
| | Short Wall A | | 2 | 25.00 | | 1.50 | 75.00 | |
| | | | | | | **Total:** | **435.00** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 1.125 | 0.50 | 135.00 | |
| | Short Wall A | | 2 | 25.00 | 1.125 | 0.50 | 28.13 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 0.75 | 2.00 | 360.00 | |
| | Short Wall A | | 2 | 25.00 | 0.75 | 2.00 | 75.00 | |
| | **Planter L/wall** | 2 | 12 | 6.25 | 0.38 | 3.00 | 169.20 | |
| | S/wall | 2 | 12 | 1.75 | 0.38 | 3.00 | 47.38 | |
| | | | | | | **Total:** | **814.70** | Cft |
| 13 | **Terrzo Planter Bed** | 1 | 12 | 5.50 | 1.75 | | 115.50 | |
| | **Planter L/wall** | 2 | 12 | 5.50 | | 3.00 | 396.00 | |
| | S/wall | 2 | 12 | 1.75 | | 3.00 | 126.00 | |
| | | | | | | **Total:** | **637.50** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Tram Platform | | 1 | 118.50 | 23.50 | 0.33 | 918.97 | |
| | | | | | | **Total:** | **918.97** | **Cft** |
| 15 | **Wooden Texture Tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Tram Platform | | 1 | 120.00 | 25.00 | | 3000.00 | |
| | | | | | | **Total** | **3,000.00** | Sft |
| 16 | **Planter** | | | | | | | |
| | Planter L/wall | 2 | 12 | 6.00 | | 3.00 | 432.00 | Sft |
| | S/w | 2 | 12 | 2.00 | | 3.00 | 144.00 | Sft |
| | | | | | | **Total:** | **576.00** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 17 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Long Wall A | | 2 | 120.00 | 2.00 | | 480.00 | |
| | Short Wall A | | 2 | 25.00 | 2.00 | | 100.00 | |
| | F-1 | | 8 | 7.50 | 7.50 | | 450.00 | |
| | **sides** | | | | | | | |
| | Long Wall A | | 4 | 120.00 | | 2.00 | 960.00 | |
| | Short Wall A | | 4 | 25.00 | | 2.00 | 200.00 | |
| | Columns Footing | | 24 | 7.50 | | 7.50 | 1,350.00 | |
| | **Under Floor** | | | | | | | |
| | Tram Platform | | 1 | 118.50 | 23.50 | | 2784.75 | |
| | | | | | | **Total:** | **6,324.75** | **Sft** |
| | | | | | | | | |
| 18 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc | | | | | | | |
| | Ms pipe 6"*6" Short side | | 8 | 32.00 | 2.00 | 0.04167 | 21.33 | Cft |
| | Ms pipe 6"*6" Long side | | 2 | 112.83 | 2.00 | 0.04167 | 18.81 | Cft |
| | Ms pipe 6"*6" in Slope | | 16 | 23.25 | 2.00 | 0.04167 | 31.00 | Cft |
| | Ms pipe 3"*3" in Trus | | 8 | 88.00 | 1.00 | 0.01042 | 7.33 | Cft |
| | Ms pipe 4"*4" Vertical | | 8 | 12.25 | 1.33 | 0.02083 | 2.72 | Cft |
| | Ms pipe 8" Dia ,1" Thick Side Pillers | | 24 | 22.33 | 0.349 | 0.02083 | 3.90 | Cft |
| | | | | | | Total | 85.09 | Cft |
| | **Total Weight of Steel Shed** | | | 85.09 | Per Cft Lbs | 490.00 | **41694.59** | **Lbs** |
| | | | | | | **Total** | **18917.69** | **Kgs** |
| | M.S Base plate18" dia 1.5 inch thick | | 24 | 1.77 | Area | 0.13 | 5.30 | Cft |
| | M.S Base plate10" dia 1 inch thick | | 48 | 0.54 | Area | 0.08 | 2.18 | Cft |
| | | | | | | Total | 7.48 | Cft |
| | unit weight 1 inch dia | | | 7.48 | Per Rft weight | 490.00 | 3,665.87 | Lbs |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**ECO-TOURISM TRAM STATIONS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **1,663.28** | Kg |
| | **Plain Rowel Bolt in Columns** | | 24 | 8.00 | | 3.50 | 672.00 | Rft |
| | unit weight 1 inch dia | | | 672.00 | Kg Per Rft weight | 0.68 | 457.35 | Kg |
| | | | | | | **Total** | **457.35** | Kg |
| | | | | | | **Grand Total** | **21,038.32** | Kg |
| | | | | | | | | |
| 19 | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | | | | | | | |
| | Tram Station Shad | | 2 | | **5208.00** | Area | 10416.00 | **Sft** |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 5208.00 | **Sft** |
| | | | | | **Total Area:** | | **15624.00** | **Sft** |
| 20 | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- a) 20 BWG | | | | **Total Area:** | | **5208.00** | **Sft** |
| NS-1 | Providing and fixing 2" thick artifical Clading etc complete & weather sheild 2 coat as per architectural drawing and as approved by the engineer incharge. | P.Sft | 24 | 22.33 | Area | 0.78500 | 420.70 | **Sft** |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Jeep Parking for 5 Vehicles

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 2,700,000 | |
| | **Grand.Total** | **2,700,000** | **2,700,000** |

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Jungle Safari Mini Gate**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 15,000,000 | |
| | **Grand.Total** | **15,000,000** | **15,000,000** |

**CIVIL WORK**
**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA JUNGLE SAFARI GATE**
**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EM** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 4,000.00 | 15.82 | 63,280 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. | P.Cft | 3,338.50 | 7.54 | 25,172 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 588.00 | 16.02 | 9,420 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 250.00 | 375.16 | 93,790 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 55.44 | 124.41 | 6,897 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 28.56 | 497.23 | 14,201 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 1,300.00 | 100.03 | 130,039 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 700.00 | 41.07 | 28,749 |
| 9 | 6/6 aiii 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a)(i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,500.00 | 694.70 | 1,042,050 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | 6/6 ai 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 439.13 | 841.70 | 369,612 |
| 11 | 6/12 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 8,172.86 | 303.10 | 2,477,195 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 226.13 | 392.61 | 88,779 |
| | **10. FLOORING** | | | | | |
| 13 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 55.44 | 41.07 | 2,277 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 14 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 168.00 | 450.10 | 75,617 |
| 15 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 38.00 | 451.50 | 17,157 |
| | **11. SURFACE RENDERING** | | | | | |
| 16 | 11/10 b | Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. b) 1:3 | | | | |
| | | Ground Floor | P.Sft | 168.00 | 52.67 | 8,849 |
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick **(Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 681.00 | 46.18 | 31,449 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 685.00 | 62.00 | 42,470 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 681.00 | 3.93 | 2,676 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 681.00 | 8.76 | 5,966 |
| | | ii) two coats | P.Sft | 681.00 | 12.12 | 8,254 |
| | **12. WOOD WORK** | | | | | |
| 20 | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 613.87 | 14,603.05 | 8,964,404 |
| 21 | 13/7-a | French polishing complete:-<br>a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 1,691.55 | 74.32 | 125,716 |
| 22 | 12/16 | Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: | | | | |
| | | b) double rebate | P.Sft | 35.00 | 535.65 | 18,748 |
| 23 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 35.00 | 950.00 | 33,250 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 24 | 12/22 | Providing and fixing, approved quality mortice lock. | Each | 2.00 | 1,110.00 | 2,220 |
| 25 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 685.00 | 47.26 | 32,373 |
| | | **ii) 2nd coat** | P.Sft | 685.00 | 26.52 | 18,166 |
| | **25. IRON WORK** | | | | | |
| 27 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 120.00 | 1,306.55 | 156,786 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 60.00 | 542.80 | 32,568 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 120.00 | 1,191.85 | 143,022 |
| 30 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 2,058.35 | 388.93 | 800,553 |
| 31 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 3,539.16 | 11.91 | 42,151 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 3,539.16 | 24.24 | 85,789 |
| | | | Total | | | **15,000,000** |

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Immersive Tunnel (paintings) on Tram Track**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 70,000,000 | |
| | **Grand.Total** | **70,000,000** | **70,000,000** |

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 40,000,000 | |
| | **Grand.Total** | **40,000,000** | **40,000,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 8,454.60 | 15.82 | 133,752 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 4,227.30 | 7.54 | 31,874 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 4,977.20 | 16.02 | 79,735 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 199.24 | 375.16 | 74,746 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 547.49 | 124.41 | 68,113 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 282.04 | 497.23 | 140,239 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 840.00 | 694.70 | 583,548 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 102.21 | 841.70 | 86,028 |
| | 6/6-f | Add extra labour for R.C. concrete in 2nd and subsequent storeys. | | | | |
| | | Second Floor | P.Cft | 232.31 | 898.15 | 208,651 |
| | | Third Floor | P.Cft | 232.31 | 954.60 | 221,766 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 4,883.28 | 303.10 | 1,480,123 |
| 10 | 18/3 aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 1,699.43 | 100.03 | 169,993 |
| 11 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 915.08 | 41.07 | 37,582 |
| 12 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 125.21 | 133.62 | 16,731 |
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 250.43 | 81.96 | 20,525 |
| | **7. BRICK WORK** | | | | | |
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 375.64 | 370.56 | 139,196 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **10. FLOORING** | | | | | |
| 15 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 547.49 | 41.07 | 22,485 |
| 16 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | | | | |
| | | Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor | | | | |
| | 10/32-i+19 | Second Floor | P.Sft | 656.25 | 2,523.10 | 1,655,784 |
| | 10/32-i+19 | Third Floor | P.Sft | 656.25 | 2,534.38 | 1,663,187 |
| | **12. WOOD WORK** | | | | | |
| 17 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 25.73 | 950.00 | 24,439 |
| 18 | 12/16 | Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: | | | | |
| | | a) single rebate | P.Sft | 25.73 | 467.55 | 12,028 |
| 19 | 12/22 | Providing and fixing, approved quality mortice lock. | Each | 1.00 | 1,110.00 | 1,110 |
| 20 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 1.00 | 178.30 | 178 |
| | **25. IRON WORK** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 21 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 179.51 | 1,306.55 | 234,532 |
| 22 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 94.24 | 542.80 | 51,154 |
| 23 | 25/35. | Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing. | P.Rft | 216.30 | 1,867.65 | 403,973 |
| 24 | 9/13 a | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- a) 20 BWG | P.Sft | 1,421.70 | 481.97 | 685,217 |
| 25 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 15128.34 | 388.93 | 5,883,864 |
| 26 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4478.36 | 11.91 | 53,337 |
| | | ii) each subsequent coat of paint. 2 coat | P.Sft | 4,478.36 | 16.16 | 72,370 |
| | **26. MISCELLANEOUS** | | | | | |
| 27 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,986.92 | 12.55 | 50,036 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | **Non Schedule Item** | | | | 25,693,704 |
| | | **Total** | | | | **40,000,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | | 4 | 10.50 | 14.50 | 8.00 | 4,872.00 | |
| | Tow Wall | | 4 | 39.75 | 4.00 | 5.00 | 3,180.00 | |
| | | | | | **Add 5%** | **Total:** | **8,454.60** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 8,454.60 | | | **4227.30** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | 3.00 | 4740.19 | |
| | | | | | **Add 5%** | **Total:** | **4,977.20** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | F-1 | | 4 | 10.50 | 10.50 | 0.25 | 110.25 | |
| | Tow Wall | | 4 | 39.75 | 2.00 | 0.25 | 79.50 | |
| | | | | | **Add 5%** | **Total:** | **199.24** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | 0.33 | 521.42 | |
| | | | | | **Add 5%** | **Total:** | **547.49** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | 0.17 | 268.61 | |
| | | | | | **Add 5%** | **Total:** | **282.04** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing | | 4 | 10.00 | 10.00 | 2.00 | 800.00 | |
| | | | | | **Add 5%** | **Total:** | **840.00** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1 | | 4 | 3.14 | Area | 7.75 | 97.34 | |
| | | | | | **Add 5%** | **Total** | **102.21** | Cft |
| ii | **RCC in roof slab,** | | | | | | | |
| i | **Second Floor** | | 0.5 | 25.00 | 25.00 | 0.21 | 65.00 | |
| | | | 1 | 25.00 | 25.00 | 0.25 | 156.25 | |
| | | | | | **Add 5%** | **Total** | **232.31** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| iii | **Third Floor** | | 0.5 | 25.00 | 25.00 | 0.21 | 65.00 | |
| | | | 1 | 25.00 | 25.00 | 0.25 | 156.25 | |
| | | | | | **Add 5%** | **Total** | **232.31** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 840.00 | 2.50 | Per Cft | 2,100.00 | |
| | Superstructural | | 1 | 566.83 | 4.50 | Per Cft | 2,550.74 | |
| | | | | | **Add 5%** | **Total** | **4,883.28** | Kg |
| 10 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | F-1 | 65% | 4 | 10.50 | 14.50 | 2.00 | 791.70 | |
| | Tow Wall | 65% | 4 | 39.75 | 4.00 | 2.00 | 826.80 | |
| | | | | | **Add 5%** | **Total:** | **1,699.43** | Cft |
| 11 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | F-1 | 35% | 4 | 10.50 | 14.50 | 2.00 | 426.30 | |
| | Tow Wall | 35% | 4 | 39.75 | 4.00 | 2.00 | 445.20 | |
| | | | | | **Add 5%** | **Total:** | **915.08** | Cft |
| 12 | **Horizontal DPC** | | | | | | | |
| | Toe Wall | | 4 | 39.75 | 0.75 | | 119.25 | |
| | | | | | **Add 5%** | **Total:** | **125.21** | Sft |
| 13 | **Vertical DPC** | | | | | | | |
| | Toe Wall | | 4 | 39.75 | | 1.50 | 238.50 | |
| | | | | | **Add 5%** | **Total:** | **250.43** | Sft |
| 14 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Toe Wall | | 4 | 39.75 | 1.13 | 0.50 | 89.44 | |
| | **2nd Steps** | | | | | | | |
| | Toe Wall | | 4 | 39.75 | 0.75 | 2.25 | 268.31 | |
| | | | | | **Add 5%** | **Total:** | **375.64** | Cft |
| 15 | **Sand filling** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | 0.33 | 521.42 | |
| | | | | | **Add 5%** | **Total:** | **547.49** | **Cft** |
| 16 | **Shisham wood block flooring** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Second Floor** | | | | | | | |
| | | | 1 | 25.00 | 25.00 | | 625.00 | |
| | | | | | **Add 5%** | **Total** | **656.25** | Sft |
| ii | **Third Floor** | | | | | | | |
| | | | 1 | 25.00 | 25.00 | | 625.00 | |
| | | | | | **Add 5%** | **Total** | **656.25** | Sft |
| 17 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 1 | 3.50 | | 7.00 | 24.50 | |
| | | | | | **Add 5%** | **Total** | **25.73** | Sft |
| 18 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 1 | 3.50 | | 7.00 | 24.50 | |
| | | | | | **Add 5%** | **Total** | **25.73** | Sft |
| 19 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 1 | | | | 1.00 | |
| | | | | | | **Total** | **1.00** | **No** |
| 20 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 1 | | | | 1.00 | |
| | | | | | | **Total** | **1.00** | **No** |
| 21 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 1 | 12.84 | | 8.33 | 106.96 | |
| | W-2 | | 4 | 4.00 | | 4.00 | 64.00 | |
| | | | | | **Add 5%** | **Total** | **179.51** | Sft |
| 22 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 179.51 | 50% | | 89.75 | |
| | | | | | **Add 5%** | **Total** | **94.24** | Sft |
| 23 | **Stair Railing** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Hand Railing | | 4 | 39.00 | | | 156.00 | |
| | Hand Railing | | 2 | 25.00 | | | 50.00 | |
| | | | | | **Add 5%** | **Total** | **216.30** | Rft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 24 | **Corrugated galvanized iron sheets** | | | | | | | |
| | Second Area | | 1 | 25.00 | 25.00 | | 625.00 | |
| | Third Area | | 1 | 25.00 | 25.00 | | 625.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Top Area | | 4 | 20.00 | Area | | 80.00 | |
| | Top Area | | 4 | 6.00 | Area | | 24.00 | |
| | | | | | **Add 5%** | **Total** | **1,421.70** | Sft |
| 25 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | M.S Pipe 10" dia 1/4" thick | 1 | 4 | 50.00 | 2.63 | 0.021 | 11.03 | Cft |
| | Cross MS Box 3"x3"x1/4" | 4 | 8 | 17.00 | 1.00 | 0.021 | 11.42 | Cft |
| | M.S Box Horezental 3"x3"x1/4" | 2 | 4 | 15.00 | 1.00 | 0.021 | 2.52 | Cft |
| | M.S Box Horezental 6"x6"x1/4" | 2 | 4 | 25.00 | 2.00 | 0.021 | 8.40 | Cft |
| | M.S Box Horezental 3"x3"x1/4" | 2 | 6 | 25.00 | 1.00 | 0.021 | 6.30 | Cft |
| | M.S Box Horezental 3"x3"x1/4" | 1 | 4 | 28.00 | 1.00 | 0.021 | 2.35 | Cft |
| | M.S Box Horezental 4"x4"x1/4" | 1 | 4 | 15.00 | 1.32 | 0.021 | 1.66 | Cft |
| | M.S Box Horezental 3"x3"x1/4" | 1 | 4 | 8.00 | 1.00 | 0.021 | 0.67 | Cft |
| | M.S Base Plate 18" dia 1" thick | 1 | 4 | 1.77 | Area | 0.08 | 0.59 | Cft |
| | Anchor Bolts 3/4" dia | 1 | 4 | 0.0031 | Area | 3.50 | 0.04 | Cft |
| | | | | | **Add 5%** | **Total** | **47.24** | Cft |
| | | | | **47.24** | Lbs Per cft | **490.00** | **23,148.69** | Lbs |
| | | | | | | **Total** | **10,503.03** | Kg |
| | M.S Stair With Railing | 1 | 1 | 26.00 | 5.00 | | 130.00 | Sft |
| | | | | **130.00** | Kg Per Sft | **25.00** | **3,250.00** | Kg |
| | | | | | | **G.Total** | **13,753.03** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **15,128.34** | Kg |
| 26 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 1,421.70 | | | 2,843.40 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1421.70 | |
| | | | | | **Add 5%** | **Total** | **4,478.36** | Sft |
| 27 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | F-1 | | 4 | 10.50 | 10.50 | | 441.00 | |
| | Tow Wall | | 4 | 39.75 | 2.00 | | 318.00 | |
| | **sides** | | | | | | | |
| | F-1 | | 16 | 10.50 | | 3.00 | 504.00 | |
| | Tow Wall | | 8 | 39.75 | | 3.00 | 954.00 | |
| | **Under Floor** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | | 1580.06 | |
| | | | | | **Add 5%** | **Total:** | **3,986.92** | **Sft** |

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Jeep Track Rehabilitation (km)**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 28,500,000 | |
| | **Grand.Total** | **28,500,000** | **28,500,000** |

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Jungle Safari Café**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 5,810,000 | |
| | **Grand.Total** | **5,810,000** | **5,810,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Elevated Canopy Walkway (metres)

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 220,000,000 | |
| | **Grand.Total** | **220,000,000** | **220,000,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Ticketing Counter

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 5,330,000 | |
| | **Grand.Total** | **5,330,000** | **5,330,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Sitting Area

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 6,250,000 | |
| | **Grand.Total** | **6,250,000** | **6,250,000** |

## ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

## SUMMARY OF COST

### Construction of Medical Center

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 12,940,000 | |
| | **Total Schedule Items** | **12,940,000** | **12,940,000** |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of Medical Center**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 10,408.75 | 15.82 | 164,666.43 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 5,204.38 | 7.54 | 39,240.99 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 5,049.00 | 16.02 | 80,884.98 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 222.19 | 375.16 | 83,355.86 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 416.54 | 124.41 | 51,822.05 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 214.58 | 497.23 | 106,696.86 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 2,706.28 | 100.03 | 270,708.69 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,457.23 | 41.07 | 59,848.23 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of Medical Center**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 242.10 | 694.70 | 168,184.26 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 817.17 | 841.70 | 687,813.57 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 4,282.51 | 303.10 | 1,298,030.01 |
| 12 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 198.56 | 133.62 | 26,531.92 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of Medical Center**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 397.13 | 81.96 | 32,548.37 |
| | **7. BRICK WORK** | | | | | |
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,011.09 | 370.56 | 374,670.90 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 1,348.22 | 392.61 | 529,324.16 |
| | **10. FLOORING** | | | | | |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 416.54 | 41.07 | 17,107.40 |
| 17 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 1,262.25 | 450.10 | 568,138.73 |
| 18 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 77.88 | 451.50 | 35,162.82 |
| 19 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 287.13 | 1,233.15 | 354,068.19 |
| | **11. SURFACE RENDERING** | | | | | |
| 20 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick **(Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 3,977.00 | 46.18 | 183,657.86 |
| 21 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of Medical Center**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Ground Floor | P.Sft | 1,782.00 | 62.00 | 110,484.00 |
| 22 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 3,977.00 | 3.93 | 15,629.61 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 3,977.00 | 8.76 | 34,838.52 |
| | | ii) two coats | P.Sft | 3,977.00 | 12.12 | 48,201.24 |
| | **12. WOOD WORK** | | | | | |
| 23a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 32.46 | 14,365.05 | 466,339.51 |
| 23b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 772.94 | 74.32 | 57,444.90 |
| 24 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 175.00 | 950.00 | 166,250.00 |
| 25 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 175.00 | 756.75 | 132,431.25 |
| 26 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 6.00 | 178.30 | 1,069.80 |
| 27 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 6.00 | 4,400.25 | 26,401.50 |
| | **13. PAINTING AND VARNISHING** | | | | | |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of Medical Center**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 28 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: **i) 1st coat** | P.Sft | 1,782.00 | 47.26 | 84,217.32 |
| | | **ii) 2nd coat** | P.Sft | 1,782.00 | 26.52 | 47,258.64 |
| | **25. IRON WORK** | | | | | |
| 29 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 188.00 | 1,306.55 | 245,631.40 |
| 30 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 94.00 | 542.80 | 51,023.20 |
| 31 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 188.00 | 1,191.85 | 224,067.80 |
| 32 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,920.00 | 1,648.65 | 3,165,408.00 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of Medical Center**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 33 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 7,000.28 | 388.93 | 2,722,617.04 |
| 34 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 5,760.00 | 11.91 | 68,601.60 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 5,760.00 | 24.24 | 139,622.40 |
| | | **Total for Each** | | | | **12,940,000** |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **12,940,000** |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 7.00 | 5.00 | 5,591.25 | |
| | Short Wall A | | 4 | 26.25 | 7.00 | 5.00 | 3,675.00 | |
| | Short Wall A | | 1 | 21.50 | 7.00 | 5.00 | 752.50 | |
| | 4 1/2" thick Wall Footing | | 2 | 6.00 | 6.50 | 5.00 | 390.00 | |
| | | | | | | **Total:** | **10,408.75** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 10,408.75 | | | **5204.38** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Verandha | | 1 | 25.50 | 7.50 | 4.00 | 765.00 | |
| | Reception & Waiting | | 1 | 25.50 | 12.25 | 4.00 | 1249.50 | |
| | Reception & Waiting | | 2 | 5.00 | 5.75 | 4.00 | 230.00 | |
| | Doctor & Dispensary Room | | 2 | 12.75 | 12.50 | 4.00 | 1275.00 | |
| | Male & Female Ward | | 2 | 12.75 | 12.25 | 4.00 | 1249.50 | |
| | Male & Female Toilet | | 2 | 7.00 | 5.00 | 4.00 | 280.00 | |
| | | | | | | **Total:** | **5,049.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 3.00 | 0.25 | 119.81 | |
| | Short Wall A | | 4 | 26.25 | 3.00 | 0.25 | 78.75 | |
| | Short Wall A | | 1 | 21.50 | 3.00 | 0.25 | 16.13 | |
| | 4 1/2" thick Wall Footing | | 2 | 6.00 | 2.50 | 0.25 | 7.50 | |
| | | | | | | **Total:** | **222.19** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Verandha | | 1 | 25.50 | 7.50 | 0.33 | 63.11 | |
| | Reception & Waiting | | 1 | 25.50 | 12.25 | 0.33 | 103.08 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Reception & Waiting | | 2 | 5.00 | 5.75 | 0.33 | 18.98 | |
| | Doctor & Dispensary Room | | 2 | 12.75 | 12.50 | 0.33 | 105.19 | |
| | Male & Female Ward | | 2 | 12.75 | 12.25 | 0.33 | 103.08 | |
| | Male & Female Toilet | | 2 | 7.00 | 5.00 | 0.33 | 23.10 | |
| | | | | | | **Total:** | **416.54** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Verandha | | 1 | 25.50 | 7.50 | 0.17 | 32.51 | |
| | Reception & Waiting | | 1 | 25.50 | 12.25 | 0.17 | 53.10 | |
| | Reception & Waiting | | 2 | 5.00 | 5.75 | 0.17 | 9.78 | |
| | Doctor & Dispensary Room | | 2 | 12.75 | 12.50 | 0.17 | 54.19 | |
| | Male & Female Ward | | 2 | 12.75 | 12.25 | 0.17 | 53.10 | |
| | Male & Female Toilet | | 2 | 7.00 | 5.00 | 0.17 | 11.90 | |
| | | | | | | **Total:** | **214.58** | Cft |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 65% | 3 | 53.25 | 7.00 | 2.00 | 1,453.73 | |
| | Short Wall A | 65% | 4 | 26.25 | 7.00 | 2.00 | 955.50 | |
| | Short Wall A | 65% | 1 | 21.50 | 7.00 | 2.00 | 195.65 | |
| | 4 1/2" thick Wall Footing | 65% | 2 | 6.00 | 6.50 | 2.00 | 101.40 | |
| | | | | | | **Total:** | **2,706.28** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | 35% | 3 | 53.25 | 7.00 | 2.00 | 782.78 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Short Wall A | 35% | 4 | 26.25 | 7.00 | 2.00 | 514.50 | |
| | Short Wall A | 35% | 1 | 21.50 | 7.00 | 2.00 | 105.35 | |
| | 4 1/2" thick Wall Footing | 35% | 2 | 6.00 | 6.50 | 2.00 | 54.60 | |
| | | | | | | **Total:** | **1,457.23** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 2.50 | 0.33 | 131.79 | |
| | Short Wall A | | 4 | 26.25 | 2.50 | 0.33 | 86.63 | |
| | Short Wall A | | 1 | 21.50 | 2.50 | 0.33 | 17.74 | |
| | 4 1/2" thick Wall Footing | | 2 | 6.00 | 1.50 | 0.33 | 5.94 | |
| | | | | | | **Total:** | **242.10** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 0.75 | 0.75 | 89.86 | |
| | Short Wall A | | 4 | 26.25 | 0.75 | 0.75 | 59.06 | |
| | Short Wall A | | 1 | 21.50 | 0.75 | 0.75 | 12.09 | |
| ii | **Lintel Band** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 0.75 | 0.75 | 89.86 | |
| | Short Wall A | | 4 | 26.25 | 0.75 | 0.75 | 59.06 | |
| | Short Wall A | | 1 | 21.50 | 0.75 | 0.75 | 12.09 | |
| iii | **Roof Band** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 0.75 | 0.75 | 89.86 | |
| | Short Wall A | | 4 | 26.25 | 0.75 | 0.75 | 59.06 | |
| | Short Wall A | | 1 | 21.50 | 0.75 | 0.75 | 12.09 | |
| iv | **Pedestal** | | | | | | | |
| | P-1 | | 18 | 1.50 | 1.50 | 8.25 | 334.13 | |
| | | | | | | **Total** | **817.17** | Cft |
| 11 | **Reinforcement** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | RCC Footing | | 1 | 242.10 | 2.50 | Per Cft | 605.24 | |
| | Superstructural | | 1 | 817.17 | 4.50 | Per Cft | 3,677.27 | |
| | | | | | | **Total** | **4,282.51** | Kg |
| 12 | **Horizontal DPC** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 0.75 | | 119.81 | |
| | Short Wall A | | 4 | 26.25 | 0.75 | | 78.75 | |
| | | | | | | **Total:** | **198.56** | Sft |
| 13 | **Vertical DPC** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | | 1.50 | 239.63 | |
| | Short Wall A | | 4 | 26.25 | | 1.50 | 157.50 | |
| | | | | | | **Total:** | **397.13** | Sft |
| 14 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 1.50 | 0.50 | 239.63 | |
| | Short Wall A | | 4 | 26.25 | 1.50 | 0.50 | 157.50 | |
| | Short Wall A | | 1 | 21.50 | 1.50 | 0.50 | 32.25 | |
| | 4 1/2" thick Wall Footing | | 2 | 6.00 | 1.13 | 0.50 | 13.50 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 1.13 | 0.50 | 179.72 | |
| | Short Wall A | | 4 | 26.25 | 1.13 | 0.50 | 118.13 | |
| | Short Wall A | | 1 | 21.50 | 1.13 | 0.50 | 24.19 | |
| | 4 1/2" thick Wall Footing | | 2 | 6.00 | 0.75 | 8.00 | 9.00 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 0.75 | 6.50 | 119.81 | |
| | Short Wall A | | 4 | 26.25 | 0.75 | 6.50 | 78.75 | |
| | Short Wall A | | 1 | 21.50 | 0.75 | 6.50 | 16.13 | |
| | Ent Steps | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | 1st Steps | | 1 | 15.00 | 2.00 | 0.50 | 15.00 | |
| | 2nd Steps | | 1 | 15.00 | 1.00 | 0.50 | 7.50 | |
| | | | | | | **Total:** | **1,011.09** | Cft |
| 15 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 0.75 | 6.50 | 778.78 | |
| | Short Wall A | | 4 | 26.25 | 0.75 | 7.75 | 610.31 | |
| | Short Wall A | | 1 | 21.50 | 0.75 | 9.00 | 145.13 | |
| | 4 1/2" thick Wall Footing | | 2 | 6.00 | 0.38 | 7.50 | 33.75 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 5.00 | 0.75 | 7.00 | (26.25) | |
| | D-2 | | -2 | 4.00 | 0.38 | 7.00 | (21.00) | |
| | D-3 | | -2 | 3.50 | 0.38 | 7.00 | (18.38) | |
| | D-4 | | -2 | 2.50 | 0.38 | 7.00 | (13.13) | |
| | W-1 | | -2 | 7.00 | 0.75 | 4.00 | (42.00) | |
| | W-2 | | -6 | 4.00 | 0.75 | 4.00 | (72.00) | |
| | W-3 | | -2 | 3.50 | 0.75 | 4.00 | (21.00) | |
| | V-1 | | -2 | 2.00 | 0.75 | 2.00 | (6.00) | |
| | | | | | | **Total:** | **1,348.22** | Cft |
| 16 | **Sand filling** | | | | | | | |
| | Verandha | | 1 | 25.50 | 7.50 | 0.33 | 63.11 | |
| | Reception & Waiting | | 1 | 25.50 | 12.25 | 0.33 | 103.08 | |
| | Reception & Waiting | | 2 | 5.00 | 5.75 | 0.33 | 18.98 | |
| | Doctor & Dispensary Room | | 2 | 12.75 | 12.50 | 0.33 | 105.19 | |
| | Male & Female Ward | | 2 | 12.75 | 12.25 | 0.33 | 103.08 | |
| | Male & Female Toilet | | 2 | 7.00 | 5.00 | 0.33 | 23.10 | |
| | | | | | | **Total:** | **416.54** | **Cft** |
| 17 | **Porcelain glazed tiles 24"X24"** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Verandha | | 1 | 25.50 | 7.50 | | 191.25 | |
| | Reception & Waiting | | 1 | 25.50 | 12.25 | | 312.38 | |
| | Reception & Waiting | | 2 | 5.00 | 5.75 | | 57.50 | |
| | Doctor & Dispensary Room | | 2 | 12.75 | 12.50 | | 318.75 | |
| | Male & Female Ward | | 2 | 12.75 | 12.25 | | 312.38 | |
| | Male & Female Toilet | | 2 | 7.00 | 5.00 | | 70.00 | |
| | | | | | | **Total** | **1,262.25** | Sft |
| 18 | **Wall skirting** | | | | | | | |
| | Verandha | | 2 | 25.50 | | 0.33 | 16.83 | |
| | | | 2 | 7.75 | | 0.33 | 5.12 | |
| | Reception & Waiting | | 2 | 25.50 | | 0.33 | 16.83 | |
| | | | 2 | 12.25 | | 0.33 | 8.09 | |
| | Reception & Waiting | | 4 | 5.00 | | 0.33 | 6.60 | |
| | | | 4 | 5.75 | | 0.33 | 7.59 | |
| | Doctor & Dispensary Room | | 4 | 12.75 | | 0.33 | 16.83 | |
| | | | 4 | 12.50 | | 0.33 | 16.50 | |
| | Male & Female Ward | | 4 | 12.75 | | 0.33 | 16.83 | |
| | | | 4 | 12.25 | | 0.33 | 16.17 | |
| | Male & Female Toilet | | 4 | 7.00 | | 7.00 | 196.00 | |
| | | | 4 | 5.00 | | 7.00 | 140.00 | |
| | | | | | | **Total** | **77.88** | Sft |
| 19 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | Podium | | 1 | 25.75 | 7.50 | | 193.13 | |
| | 1st Treads | | 2 | 15.00 | 1.00 | | 30.00 | |
| | 1st Riser | | 2 | 15.00 | | 0.50 | 15.00 | |
| | **Window Sills** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-1 | | 2 | 7.00 | 1.00 | | 14.00 | |
| | W-2 | | 6 | 4.00 | 1.00 | | 24.00 | |
| | W-3 | | 2 | 3.50 | 1.00 | | 7.00 | |
| | V-1 | | 2 | 2.00 | 1.00 | | 4.00 | |
| | | | | | | **Total** | **287.13** | Sft |
| 20 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | avg | | |
| | Verandha | | 2 | 25.50 | | 10.00 | 510.00 | |
| | | | 2 | 7.75 | | 10.00 | 155.00 | |
| | Reception & Waiting | | 2 | 25.50 | | 10.00 | 510.00 | |
| | | | 2 | 12.25 | | 10.00 | 245.00 | |
| | Reception & Waiting | | 4 | 5.00 | | 10.00 | 200.00 | |
| | | | 4 | 5.75 | | 10.00 | 230.00 | |
| | Doctor & Dispensary Room | | 4 | 12.75 | | 10.00 | 510.00 | |
| | | | 4 | 12.50 | | 10.00 | 500.00 | |
| | Male & Female Ward | | 4 | 12.75 | | 10.00 | 510.00 | |
| | | | 4 | 12.25 | | 10.00 | 490.00 | |
| | Male & Female Toilet | | 4 | 7.00 | | 10.00 | 280.00 | |
| | | | 4 | 5.00 | | 10.00 | 200.00 | |
| | **Deduction** | | | | | | 0.00 | |
| | D-1 | | -1 | 5.00 | | 7.00 | -35.00 | |
| | D-2 | | -2 | 4.00 | | 7.00 | -56.00 | |
| | D-3 | | -2 | 3.50 | | 7.00 | -49.00 | |
| | D-4 | | -2 | 2.50 | | 7.00 | -35.00 | |
| | W-1 | | -2 | 7.00 | | 4.00 | -56.00 | |
| | W-2 | | -6 | 4.00 | | 4.00 | -96.00 | |
| | W-3 | | -2 | 3.50 | | 4.00 | -28.00 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | V-1 | | -2 | 2.00 | | 2.00 | -8.00 | |
| | | | | | | **Total** | **3,977.00** | Sft |
| 21 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | Long Wall A | | 1 | 162.00 | Rft | 11.00 | 1,782.00 | |
| | | | | | | **Total** | **1,782.00** | Sft |
| 22 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 3,977.00 | |
| | | | | | | **Total** | **3,977.00** | Sft |
| 23a | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 | |
| | | | | | | **Total:** | **32.46** | **Cft** |
| 23b | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | | 394.94 | |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | | 378.00 | |
| | | | | | | **Total:** | **772.94** | **Sft** |
| 24 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.00 | | 7.00 | 70.00 | |
| | D-2 | | 2 | 4.00 | | 7.00 | 56.00 | |
| | D-3 | | 2 | 3.50 | | 7.00 | 49.00 | |
| | | | | | | **Total** | **175.00** | Sft |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 25 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.00 | | 7.00 | 70.00 | |
| | D-2 | | 2 | 4.00 | | 7.00 | 56.00 | |
| | D-3 | | 2 | 3.50 | | 7.00 | 49.00 | |
| | | | | | | **Total** | **175.00** | Sft |
| 26 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 6 | | | | 6.00 | |
| | | | | | | **Total** | **6.00** | **No** |
| 27 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 6 | | | | 6.00 | |
| | | | | | | **Total** | **6.00** | **No** |
| 28 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 1,782.00 | |
| | | | | | | **Total** | **1,782.00** | Sft |
| 29 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 2 | 7.00 | | 4.00 | 56.00 | |
| | W-2 | | 6 | 4.00 | | 4.00 | 96.00 | |
| | W-3 | | 2 | 3.50 | | 4.00 | 28.00 | |
| | V-1 | | 2 | 2.00 | | 2.00 | 8.00 | |
| | | | | | | **Total** | **188.00** | Sft |
| 30 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 188.00 | 50% | | 94.00 | |
| | | | | | | **Total** | **94.00** | Sft |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 31 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 188.00 | | | 188.00 | |
| | | | | | | **Total** | **188.00** | Sft |
| 32 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | | 1 | 60.00 | 32.00 | | 1,920.00 | |
| | | | | | | **Total** | **1,920.00** | Sft |
| 33 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 8 | 54.25 | 1.00 | 0.02 | 9.11 | Cft |
| | Cleat Angle 1 1/2"x1 1/2:x1/4" | 1 | 8 | 54.25 | 0.25 | 0.02 | 2.28 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 14 | 1.25 | 1.25 | 0.04 | 0.92 | Cft |
| | J Bolts 3/4" dia | 4 | 14 | 0.0031 | Area | 2.00 | 0.34 | Cft |
| | | | | | | **Total** | **45.12** | Cft |
| | | | | **45.12** | Lbs Per cft | **490.00** | **22,107.90** | Lbs |
| | | | | | | **Total** | **10,030.81** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **11,033.89** | Kg |
| 34 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 1,920.00 | | | 3,840.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1920.00 | |
| | | | | | | **Total** | **5,760.00** | Sft |
| 35 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Long Wall A | | 3 | 53.25 | 3.00 | | 479.25 | |
| | Short Wall A | | 4 | 26.25 | 3.00 | | 315.00 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of Medical Center**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Short Wall A | | 1 | 21.50 | 3.00 | | 64.50 | |
| | 4 1/2" thick Wall Footing | | 2 | 6.00 | 2.50 | | 30.00 | |
| | **sides** | | | | | | | |
| | Long Wall A | | 6 | 53.25 | | 3.00 | 958.50 | |
| | Short Wall A | | 8 | 26.25 | | 3.00 | 630.00 | |
| | Short Wall A | | 2 | 21.50 | | 3.00 | 129.00 | |
| | 4 1/2" thick Wall Footing | | 4 | 6.00 | | 3.00 | 72.00 | |
| | **Under Floor** | | | | | | | |
| | Verandha | | 1 | 25.50 | 7.50 | | 191.25 | |
| | Reception & Waiting | | 1 | 25.50 | 12.25 | | 312.38 | |
| | Reception & Waiting | | 2 | 5.00 | 5.75 | | 57.50 | |
| | Doctor & Dispensary Room | | 2 | 12.75 | 12.50 | | 318.75 | |
| | Male & Female Ward | | 2 | 12.75 | 12.25 | | 312.38 | |
| | Male & Female Toilet | | 2 | 7.00 | 5.00 | | 70.00 | |
| | | | | | | **Total:** | **3,940.50** | **Sft** |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 40,000,000 | |
| | **Total Schedule Items** | **40,000,000** | **40,000,000** |
| | **Net Total** | | **40,000,000** |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 6,930.00 | 15.82 | 109,632.60 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 3,465.00 | 7.54 | 26,126.10 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 3,600.00 | 16.02 | 57,672.00 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 33.00 | 375.16 | 12,380.28 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 34.53 | 124.41 | 4,295.41 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 17.79 | 497.23 | 8,843.86 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 1,287.00 | 100.03 | 128,738.61 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 693.00 | 41.07 | 28,461.51 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 88.44 | 694.70 | 61,439.27 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 532.13 | 841.70 | 447,889.61 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 2,615.66 | 303.10 | 792,807.30 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,064.25 | 370.56 | 394,368.48 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Ground Floor | P.Cft | 630.00 | 392.61 | 247,344.30 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 198.00 | 41.07 | 8,131.86 |
| 15 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 600.00 | 450.10 | 270,060.00 |
| 16 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 50.00 | 451.50 | 22,575.00 |
| | **11. SURFACE RENDERING** | | | | | |
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 950.00 | 46.18 | 43,871.00 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,675.00 | 62.00 | 103,850.00 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 950.00 | 3.93 | 3,733.50 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 950.00 | 8.76 | 8,322.00 |
| | | ii) two coats | P.Sft | 950.00 | 12.12 | 11,514.00 |
| | **12. WOOD WORK** | | | | | |
| 20 | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 21.00 | 14,365.05 | 301,653.98 |
| 21 | 13/7-a | French polishing complete:- a) on new work | | | | |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Wooden Sheet | P.Sft | 499.98 | 74.32 | 37,158.51 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 22 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,675.00 | 47.26 | 79,160.50 |
| | | **ii) 2nd coat** | P.Sft | 1,675.00 | 26.52 | 44,421.00 |
| | **25. IRON WORK** | | | | | |
| 23 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 308.00 | 1,306.55 | 402,417.40 |
| 24 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 154.00 | 542.80 | 83,591.20 |
| 25 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 308.00 | 1,191.85 | 367,089.80 |
| 26 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | 75 mm thick | P.Sft | 1,050.00 | 1,648.65 | 1,731,082.50 |
| 27 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 11,261.29 | 388.93 | 4,379,853.93 |
| 28 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 3,307.50 | 11.91 | 39,392.33 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 6,615.00 | 24.24 | 160,347.60 |
| | **26. MISCELLANEOUS** | | | | | |
| 29 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 1,854.00 | 12.55 | 23,267.70 |
| | NS-1 | Solid Artistic Cladding Work using fine china mesh, #3 mild steel and mortar 1:2:0.5 (Cement, Sand Dust, Sand) Khaaka Plaster of 5" to 10" multiple layers as per requirement on site and design. Complete natural look to be achieved by artist. Surface area to be calculated for billing. The Work includes getting rockery shapes using fine china mesh and #3 steel.. | P.Sft | 1650 | 2150 | 3,547,500.00 |
| | NS-2 | Provision and Fixing of Single or Multiple Layers (as per requirement according to design) of GI China mesh of 1"x1" according to the artistic rockery design. Along with 2" Mortar 1:2:0.5 (Cement, Sand Dust, Sand) china mesh Layers to be added until final form of rockery work is achieved as per the provided design. Surface area to be calculated for billing. | P.Sft | 1650 | 400 | 660,000.00 |
| | NS-3 | Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferebly Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing. | P.Sft | 1650 | 450 | 742,500.00 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | - | Provision and Fixation of Multiple Sculpture and Natural Artifacts to enhance the thematic experience of item | LS | - | - | 10,000,000.00 |
| | | **ESTIMATED AMOUNT POST FOR NON SCHEFULE AND POST DESIGN** | | | | 14,608,506.86 |
| | | **Total for Each** | | | | **40,000,000** |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **40,000,000** |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 132.00 | 7.50 | 7.00 | 6,930.00 | |
| | | | | | | **Total:** | **6,930.00** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 6,930.00 | | | **3,465.00** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Lobby | | 1 | 30.00 | 20.00 | 6.00 | 3,600.00 | |
| | | | | | | **Total:** | **3,600.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 132.00 | 3.50 | 0.25 | 33.00 | |
| | | | | | | **Total:** | **33.00** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Lobby | | 1 | 15.50 | 6.75 | 0.33 | 34.53 | |
| | | | | | | **Total:** | **34.53** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Lobby | | 1 | 15.50 | 6.75 | 0.17 | 17.79 | |
| | | | | | | **Total:** | **17.79** | Cft |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall A | 65% | 1 | 132.00 | 7.50 | 2.00 | 1,287.00 | |
| | | | | | | **Total:** | **1,287.00** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | 35% | 1 | 132.00 | 7.50 | 2.00 | 693.00 | |
| | | | | | | **Total:** | **693.00** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 132.00 | 3.00 | 0.67 | 88.44 | |
| | | | | | | **Total:** | **88.44** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 132.00 | 0.75 | 0.75 | 74.25 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 132.00 | 0.75 | 0.75 | 74.25 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 132.00 | 0.75 | 0.75 | 74.25 | |
| iv | **Plinth Columns** | | | | | | | |
| | C-1 | | 22 | 1.50 | 1.50 | 6.25 | 309.38 | |
| | | | | | | **Total** | **532.13** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 88.44 | 2.50 | Per Cft | 221.10 | |
| | Superstructural | | 1 | 532.13 | 4.50 | Per Cft | 2,394.56 | |
| | | | | | | **Total** | **2,615.66** | Kg |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 132.00 | 1.88 | 0.50 | 123.75 | |
| | **2nd Steps** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Long Wall A | | 1 | 132.00 | 1.50 | 0.50 | 99.00 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 1 | 132.00 | 1.13 | 0.50 | 74.25 | |
| | **4th Steps** | | | | | | | |
| | Long Wall A | | 1 | 132.00 | 0.75 | 7.75 | 767.25 | |
| | | | | | | **Total:** | **1,064.25** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | Avg | | |
| | Lobby | | 2 | 30.00 | 0.75 | 12.00 | 540.00 | |
| | | | 2 | 20.00 | 0.75 | 12.00 | 360.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 10.00 | 0.75 | 11.00 | (165.00) | |
| | W-2 | | -4 | 5.00 | 0.75 | 7.00 | (105.00) | |
| | | | | | | **Total:** | **630.00** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Lobby | | 1 | 30.00 | 20.00 | 0.33 | 198.00 | |
| | | | | | | **Total:** | **198.00** | **Cft** |
| 15 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Lobby | | 1 | 30.00 | 20.00 | | 600.00 | |
| | | | | | | **Total** | **600.00** | Sft |
| 16 | **Wall skirting** | | | | | | | |
| | Lobby | | 2 | 30.00 | | 0.50 | 30.00 | |
| | Lobby | | 2 | 20.00 | | 0.50 | 20.00 | |
| | | | | | | **Total** | **50.00** | Sft |
| 17 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Lobby | | 2 | 30.00 | | 12.00 | 720.00 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Lobby | | 2 | 20.00 | | 12.00 | 480.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 10.00 | | 11.00 | (110.00) | |
| | W-1 | | -4 | 5.00 | | 7.00 | (140.00) | |
| | | | | | | **Total** | **950.00** | Sft |
| 18 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | | | 1 | 132.00 | Rft | 14.00 | 1,848.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.00 | | 11.00 | (33.00) | |
| | W-1 | | -4 | 5.00 | | 7.00 | (140.00) | |
| | | | | | | **Total** | **1,675.00** | Sft |
| 19 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 950.00 | |
| | | | | | | **Total** | **950.00** | Sft |
| 20 | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | 0.042 | 3.86 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | 0.042 | 4.20 | |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | 0.042 | 4.00 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | 0.042 | 0.86 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | 0.042 | 1.28 | |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | 0.042 | 6.80 | |
| | | | | | | **Total:** | **21.00** | **Cft** |
| 21 | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Eco Tourism Gate**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | | 92.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | | 100.00 | |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | | 95.12 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | | 20.50 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | | 30.36 | |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | | 162.00 | |
| | | | | | | **Total:** | **499.98** | **Sft** |
| 22 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 1,675.00 | |
| | | | | | | **Total** | **1,675.00** | Sft |
| 23 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 4 | 5.00 | | 7.00 | 140.00 | |
| | W-2 | | 4 | 6.00 | | 7.00 | 168.00 | |
| | | | | | | **Total** | **308.00** | Sft |
| 24 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 308.00 | 50% | | 154.00 | |
| | | | | | | **Total** | **154.00** | Sft |
| 25 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminium window | | 1 | 308.00 | | | 308.00 | |
| | | | | | | **Total** | **308.00** | Sft |
| 26 | **Sandwich Panels** | | | | | | | |
| i | Roof Area | | 6 | 25.00 | 7.00 | | 1,050.00 | |
| | | | | | | **Total** | **1,050.00** | Sft |
| 27 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Ticketing Counter

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 5,330,000 | |
| | **Grand.Total** | **5,330,000** | **5,330,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Car Parking for Evs near Corporate Meeting Hall

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 2,700,000 | |
| | **Grand.Total** | **2,700,000** | **2,700,000** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**CORPORATE MEETING OFFICE**

**SUMMARY OF COST**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **Schedule items** | | | |
| 1 | CIVIL WORK | 55,350,000 | |
| 2 | PLUMBING WORK | | |
| 3 | ELECTRICAL WORK | | |
| | **Grand.Total** | **55,350,000** | **55,350,000** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**CORPORATE MEETING OFFICE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual. ii) in ordinary soil. | P.Cft | 22,466.99 | 15.82 | 355,428 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. | P.Cft | 8,986.79 | 7.54 | 67,760 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead | P.Cft | 26,755.01 | 16.02 | 428,615 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 342.49 | 375.16 | 128,489 |
| 5 | 6/3 b | Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (b) Ratio 1: 4: 8 | P.Cft | 328.32 | 341.04 | 111,970 |
| 6 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 1,247.38 | 124.41 | 155,187 |
| 7 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 642.59 | 497.23 | 319,516 |
| 8 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 7,547.65 | 100.05 | 755,142 |
| 9 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 4,064.12 | 41.07 | 166,913 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**CORPORATE MEETING OFFICE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 10 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a)(i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,089.88 | 694.70 | 757,143 |
| 11 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 1,402.78 | 841.70 | 1,180,721 |
| 12 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 8,335.84 | 303.10 | 2,526,592 |
| 13 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 211.78 | 133.62 | 28,298 |
| 14 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 120.75 | 81.96 | 9,897 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**CORPORATE MEETING OFFICE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| | **7. BRICK WORK** | | | | | |
| 15 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 2,456.71 | 370.56 | 910,359 |
| 16 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 2,318.23 | 392.61 | 910,161 |
| | **9. ROOFING** | | | | | |
| 17 | 9/35 ii | Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:-<br>**ii) Thermopore sheet ¾ " (20 mm) thick** | P.Sft | 1,007.25 | 181.09 | 182,403 |
| 18 | 9/15 | Khuras on roof 2'x2'x6" (600 x 600 x 150 mm) | Each | 2.00 | 1,196.30 | 2,393 |
| 19 | 9/20 a | Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:- | | | | |
| | | a) 4" dia (100 mm) cast iron down pipe. | P.Rft | 22.00 | 491.55 | 10,814 |
| 20 | 9/21 | Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting. | Each | 2.00 | 1,390.60 | 2,781 |
| 21 | 9/22 | Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting. | Each | 2.00 | 699.35 | 1,399 |
| | **10. FLOORING** | | | | | |
| 22 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,247.38 | 41.07 | 51,230 |
| 23 | 10/16 c | Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (c) 1½"(40 mm) thick | P.Sft | 768.00 | 98.84 | 75,909 |
| 24 | 10- 23 | 1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete,including rubbing and polishing complete with finishing :<br>-(a) using grey cement | Sft | 123.75 | 298.76 | 36,972 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**CORPORATE MEETING OFFICE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 25 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. **( Wooden Texture Tile)** | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 3,255.78 | 450.10 | 1,465,424 |
| 26 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. **(Wooden Texture Tile)** | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 722.00 | 451.50 | 325,983 |
| 27 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 524.17 | 312.65 | 163,883 |
| 28 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 1,703.32 | 384.70 | 655,267 |
| 29 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 206.75 | 1,233.15 | 254,954 |
| | **11. SURFACE RENDERING** | | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**CORPORATE MEETING OFFICE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 30 | 11/10 b | Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. b) 1:3 | | | | |
| | | Ground Floor | P.Sft | 791.95 | 52.67 | 41,712 |
| 31 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 5,128.47 | 46.18 | 236,833 |
| 32 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,671.38 | 62.00 | 103,625 |
| 33 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 5,920.42 | 3.93 | 23,267 |
| | 11/23 a | Distempering:- a) new surface:- i) one coat | P.Sft | 5,920.42 | 8.76 | 51,863 |
| | | ii) two coats | P.Sft | 5,920.42 | 12.12 | 71,755 |
| | **12. WOOD WORK** | | | | | |
| 34 | 12/16 | Providing and fixing M.S. sheet hollow pressed | | | | |
| | | a) single rebate | P.Sft | 24.00 | 467.55 | 11,221 |
| | | b) double rebate | P.Sft | 120.00 | 535.65 | 64,278 |
| 35 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 144.00 | 650.00 | 93,600 |
| 36 | 12/22 | Providing and fixing, approved quality mortice lock. | Each | 4.00 | 1,110.00 | 4,440 |
| 37 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 4.00 | 178.30 | 713 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 38 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: | P.Sft | 1,671.38 | 47.26 | 78,989 |
| | | **ii) 2nd coat** | P.Sft | 1,671.38 | 26.52 | 44,325 |
| | **25. IRON WORK** | | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**CORPORATE MEETING OFFICE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 39 | 25/57 | Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable or approved equivalent manufacturer, having 2 mm thick Frame size D48-A , i/c 12 mm Tempered glass with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardwareetc. completein all respect as approved and directed by the Engineer Incharge. (Floor hinge will be paid separately). (Door & Glass Wall) | P.Sft | 840.00 | 1,640.45 | 1,377,978 |
| 40 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 118.00 | 1,306.55 | 154,173 |
| 41 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 59.00 | 542.80 | 32,025 |
| 42 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 118.00 | 1,191.85 | 140,638 |
| 43 | 25/64 | Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge | P.Sft | 48.00 | 3,346.10 | 160,613 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**CORPORATE MEETING OFFICE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 44 | 9/13 b | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- b) 22 BWG | P.Sft | 4,110.00 | 416.82 | 1,713,130 |
| 45 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 17,578.03 | 388.93 | 6,836,624 |
| 46 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 12,330.00 | 11.91 | 146,850 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 24,660.00 | 24.24 | 597,758 |
| | **26. MISCELLANEOUS** | | | | | |
| 47 | 26/45 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 9,679.66 | 12.55 | 121,480 |
| 1 | NS-1 | Providing and fixing pre fabricated PVC panels doors 1-1/2" thick with chowkhat (made by Pamo) complete in all respects with all accessories i/c door Lock, latch, tower bolts, hinges and related hardwares etc. | P.Sft | 188.00 | 2,565.00 | 482,220 |
| 2 | NS-2 | Providing & Fixing of Sand which Panel with insulation complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 4,110.00 | 742.50 | 3,051,675 |
| 4 | NS-4 | Providing & Fixing of Pvc Panel with sheet to pasted complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 4,404.00 | 776.25 | 3,418,605 |
| 5 | NS-5 | Providening & fixing of Wooden Cladding complete in all respects as per design and approval of Engineer Incharge. | P.Sft | 4,522.00 | 965.00 | 4,363,730 |
| | | | | | **Total Non-Schedule items** | **19,884,275** |
| | | | | | **Total** | **55,350,000** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| 1 | **Excavation in foundation** | | | | | | |
| | **Footing** | | | | | | |
| | F-1 | | 8 | 10.50 | 12.50 | 5.00 | 5,250.00 |
| | Section A-A | | 1 | 128.38 | 7.00 | 5.00 | 4,493.13 |
| | Section B-B | | 1 | 24.00 | 7.00 | 5.00 | 840.00 |
| | Section C-C | | 2 | 34.50 | 7.00 | 5.00 | 2,415.00 |
| | Section D-D | | 1 | 49.50 | 7.00 | 5.00 | 1,732.50 |
| | Section E-E | | 1 | 55.50 | 5.88 | 3.00 | 979.02 |
| | Section F-F | | 1 | 80.50 | 7.00 | 5.00 | 2,817.50 |
| | Plinth Protection | | | | | | - |
| | Out Side | | 1 | 256.00 | 5.13 | 3.00 | 3,939.84 |
| | | | | | | **Total:** | **22,466.99** |
| 2 | **Filling, watering and ramming earth under floor:-** | | 40% | 22466.99 | | | **8986.79** |
| | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | |
| | Meeting Hall | | 1 | 48.00 | 53.25 | 3.50 | 8946.00 |
| | Duck Area | | 1 | 432.00 | Area | 3.50 | 1512.00 |
| | Kitchen | | 1 | 10.25 | 6.13 | 3.50 | 219.73 |
| | Kitchen | | 1 | 8.00 | 18.13 | 3.50 | 507.50 |
| | Store | | 1 | 10.25 | 11.25 | 3.50 | 403.59 |
| | Male Toilet | | 1 | 8.00 | 18.13 | 3.50 | 507.50 |
| | W.C | | 5 | 5.00 | 3.50 | 3.50 | 306.25 |
| | Female Toilet | | 1 | 7.38 | 6.63 | 3.50 | 171.12 |
| | W.C | | 2 | 3.50 | 5.00 | 3.50 | 122.50 |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | 3.50 | 380.63 |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | 3.50 | 152.99 |
| | | | 60% | 22,466.99 | | | 13480.19 |
| | Planter | | 2 | 7.50 | 1.00 | 3.00 | 45.00 |
| | | | | | | **Total:** | **26,755.01** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | |
| | F-1 | | 2 | 10.50 | 8.50 | 0.25 | 44.63 |
| | Section A-A | | 1 | 128.38 | 3.00 | 0.25 | 96.28 |
| | Section B-B | | 1 | 24.00 | 3.00 | 0.25 | 18.00 |
| | Section C-C | | 2 | 34.50 | 3.00 | 0.25 | 51.75 |
| | Section D-D | | 1 | 49.50 | 3.00 | 0.25 | 37.13 |
| | Section E-E | | 1 | 55.50 | 1.88 | 0.25 | 26.09 |
| | Section F-F | | 1 | 80.50 | 3.00 | 0.25 | 60.38 |
| | Planter | | 2 | 8.25 | 2.00 | 0.25 | 8.25 |
| | | | | | | **Total:** | **342.49** |
| 5 | **Brick or Stone Ballast 1½ " to 2" (40 mm to 50 mm in foundation & plinth (Ratio 1:4:8)** | | | | | | |
| | Plinth Protection | | | | | | |
| | Out Side | | 1 | 256.00 | 5.13 | 0.25 | 328.32 |
| | | | | | | **Total:** | **328.32** |
| 6 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Meeting Hall | | 1 | 48.00 | 53.25 | 0.33 | 843.48 |
| | Duck Area | | 1 | 432.00 | Area | 0.33 | 142.56 |
| | Kitchen | | 1 | 10.25 | 6.13 | 0.33 | 20.72 |
| | Kitchen | | 1 | 8.00 | 18.13 | 0.33 | 47.85 |
| | Store | | 1 | 10.25 | 11.25 | 0.33 | 38.05 |
| | Male Toilet | | 1 | 8.00 | 18.13 | 0.33 | 47.85 |
| | W.C | | 5 | 5.00 | 3.50 | 0.33 | 28.88 |
| | Female Toilet | | 1 | 7.38 | 6.63 | 0.33 | 16.13 |
| | W.C | | 2 | 3.50 | 5.00 | 0.33 | 11.55 |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | 0.33 | 35.89 |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | 0.33 | 14.43 |
| | | | | | | **Total:** | **1,247.38** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| 7 | **P.C.C 1:2:4** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Meeting Hall | | 1 | 48.00 | 53.25 | 0.17 | 434.52 |
| | Duck Area | | 1 | 432.00 | Area | 0.17 | 73.44 |
| | Kitchen | | 1 | 10.25 | 6.13 | 0.17 | 10.67 |
| | Kitchen | | 1 | 8.00 | 18.13 | 0.17 | 24.65 |
| | Store | | 1 | 10.25 | 11.25 | 0.17 | 19.60 |
| | Male Toilet | | 1 | 8.00 | 18.13 | 0.17 | 24.65 |
| | W.C | | 5 | 5.00 | 3.50 | 0.17 | 14.88 |
| | Female Toilet | | 1 | 7.38 | 6.63 | 0.17 | 8.31 |
| | W.C | | 2 | 3.50 | 5.00 | 0.17 | 5.95 |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | 0.17 | 18.49 |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | 0.17 | 7.43 |
| | | | | | | **Total:** | **642.59** |
| 8 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate | | | | | | |
| | **Footing** | | | | | | |
| | F-1 | 65% | 8 | 10.50 | 12.50 | 2.00 | 1,365.00 |
| | Section A-A | 65% | 1 | 128.38 | 7.00 | 2.00 | 1,168.21 |
| | Section B-B | 65% | 1 | 24.00 | 7.00 | 2.00 | 218.40 |
| | Section C-C | 65% | 2 | 34.50 | 7.00 | 2.00 | 627.90 |
| | Section D-D | 65% | 1 | 49.50 | 7.00 | 2.00 | 450.45 |
| | Section E-E | 65% | 1 | 55.50 | 5.88 | 2.00 | 424.24 |
| | Section F-F | 65% | 1 | 80.50 | 7.00 | 2.00 | 732.55 |
| | Plinth Protection | | | | | | - |
| | Out Side | 65% | 1 | 256.00 | 5.13 | 3.00 | 2,560.90 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | | | | | | **Total:** | **7,547.65** |
| 9 | Supplying and filling sand under floor; or plugging in wells. | | | | | | |
| | **Footing** | | | | | | |
| | F-1 | 35% | 8 | 10.50 | 12.50 | 2.00 | 735.00 |
| | Section A-A | 35% | 1 | 128.38 | 7.00 | 2.00 | 629.04 |
| | Section B-B | 35% | 1 | 24.00 | 7.00 | 2.00 | 117.60 |
| | Section C-C | 35% | 2 | 34.50 | 7.00 | 2.00 | 338.10 |
| | Section D-D | 35% | 1 | 49.50 | 7.00 | 2.00 | 242.55 |
| | Section E-E | 35% | 1 | 55.50 | 5.88 | 2.00 | 228.44 |
| | Section F-F | 35% | 1 | 80.50 | 7.00 | 2.00 | 394.45 |
| | Plinth Protection | | | | | | - |
| | Out Side | 35% | 1 | 256.00 | 5.13 | 3.00 | 1,378.94 |
| | | | | | | **Total:** | **4,064.12** |
| 10 | **R.C.C. in Raft foundation** | | | | | | |
| | F-1 | | 8 | 10.00 | 8.00 | 1.25 | 800.00 |
| | Section A-A | | 1 | 128.38 | 2.50 | 0.33 | 105.91 |
| | Section B-B | | 1 | 24.00 | 2.50 | 0.33 | 19.80 |
| | Section C-C | | 2 | 34.50 | 2.50 | 0.33 | 56.93 |
| | Section D-D | | 1 | 49.50 | 2.50 | 0.33 | 40.84 |
| | Section F-F | | 1 | 80.50 | 2.50 | 0.33 | 66.41 |
| | | | | | | **Total:** | **1,089.88** |
| 11 | **RCC in roof slab, beam, column & other structural members** | | | | | | |
| i | **Plinth Columns** | | | | | | |
| | C-1 | | 8 | 3.00 | 2.50 | 5.00 | 300.00 |
| ii | **Plinth Bemas** | | | | | | |
| | | | 2 | 51.00 | 1.50 | 1.75 | 267.75 |
| iii | **Ground Floor Door Window Lintel** | | | | | | |
| | D-2 | | 3 | 6.50 | 0.75 | 0.75 | 10.97 |
| | D-3 | | 1 | 4.50 | 0.75 | 0.75 | 2.53 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | D-4 | | 2 | 4.50 | 0.75 | 0.75 | 5.06 |
| | D-5 | | 6 | 4.00 | 0.50 | 0.50 | 6.00 |
| | D-6 | | 1 | 4.00 | 0.50 | 0.50 | 1.00 |
| | W-1 | | 3 | 5.50 | 0.75 | 0.75 | 9.28 |
| | W-2 | | 2 | 5.50 | 0.75 | 0.75 | 6.19 |
| | W-3 | | 2 | 5.50 | 0.75 | 0.75 | 6.19 |
| iv | **RCC in roof slab,** | | | | | | |
| | **Ground Floor** | | 1 | 51.00 | 19.75 | 0.50 | 503.63 |
| | Vanity shelf | | 1 | 12.00 | 2.00 | 0.25 | 6.00 |
| | Vanity shelf | | 1 | 7.38 | 2.00 | 0.25 | 3.69 |
| v | **RCC Parapit Wall** | | | | | | |
| | | | 1 | 90.50 | 0.50 | 3.00 | 135.75 |
| vi | **Entrance Steps** | | | | | | |
| | Steps Wasite | | 1 | 55.50 | 0.50 | 3.50 | 97.13 |
| | Steps | | 1.5 | 55.50 | 1.00 | 0.50 | 41.63 |
| | | | | | | **Total** | **1,402.78** |
| 12 | **Reinforcement** | | | | | | |
| | RCC Footing | | 1 | 1,089.88 | 2.50 | Per Cft | 2,724.71 |
| | Superstructural | | 1 | 1,402.78 | 4.00 | Per Cft | 5,611.13 |
| | | | | | | **Total** | **8,335.84** |
| | | | | | | | |
| 13 | **Horizontal DPC** | | | | | | |
| | Section A-A | | 1 | 128.38 | 0.75 | | 96.28 |
| | Section B-B | | 1 | 24.00 | 0.75 | | 18.00 |
| | Section D-D | | 1 | 49.50 | 0.75 | | 37.13 |
| | Section F-F | | 1 | 80.50 | 0.75 | | 60.38 |
| | | | | | | **Total:** | **211.78** |
| 14 | **Vertical DPC** | | | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Section F-F | | 1 | 80.50 | | 1.50 | 120.75 |
| | | | | | | **Total:** | **120.75** |
| 15 | **Brick masonry in Foundation** | | | | | | |
| | **1st Steps** | | | | | | |
| | Section A-A | | 1 | 128.38 | 1.88 | 0.50 | 120.67 |
| | Section B-B | | 1 | 24.00 | 1.88 | 0.50 | 22.56 |
| | Section C-C | | 2 | 34.50 | 1.88 | 0.50 | 64.86 |
| | Section D-D | | 1 | 49.50 | 1.88 | 0.50 | 46.53 |
| | Section E-E | | 1 | 55.50 | 1.50 | 2.75 | 228.94 |
| | Section F-F | | 1 | 80.50 | 1.88 | 0.50 | 75.67 |
| | **2nd Steps** | | | | | | |
| | Section A-A | | 1 | 128.38 | 1.50 | 0.50 | 96.28 |
| | Section B-B | | 1 | 24.00 | 1.50 | 0.50 | 18.00 |
| | Section C-C | | 2 | 34.50 | 1.50 | 4.00 | 414.00 |
| | Section D-D | | 1 | 49.50 | 1.50 | 0.50 | 37.13 |
| | Section F-F | | 1 | 80.50 | 1.50 | 0.50 | 60.38 |
| | **3rd Steps** | | | | | | |
| | Section A-A | | 1 | 128.38 | 1.13 | 0.50 | 72.21 |
| | Section B-B | | 1 | 24.00 | 1.13 | 0.50 | 13.50 |
| | Section D-D | | 1 | 49.50 | 1.13 | 0.50 | 27.84 |
| | Section F-F | | 1 | 80.50 | 1.13 | 0.50 | 45.28 |
| | **4th Steps** | | | | | | |
| | Section A-A | | 1 | 128.38 | 0.75 | 4.17 | 401.49 |
| | Section B-B | | 1 | 24.00 | 0.75 | 4.17 | 75.06 |
| | Section D-D | | 1 | 49.50 | 0.75 | 4.17 | 154.81 |
| | Section F-F | | 1 | 80.50 | 0.75 | 4.00 | 241.50 |
| | **Plinth Protection** | | | | | | - |
| | Out Side | | 1 | 256.00 | 1.13 | 0.50 | 144.00 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Out Side | | 1 | 256.00 | 0.75 | 0.50 | 96.00 |
| | | | | | | **Total:** | **2,456.71** |
| 16 | **Brick masonry in super structure** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Section A-A | | 1 | 128.38 | 0.75 | 9.50 | 914.67 |
| | Section B-B | | 1 | 24.00 | 0.38 | 9.50 | 85.50 |
| | Section C-C | | 2 | 34.50 | 1.50 | 9.50 | 983.25 |
| | Section F-F | | 1 | 80.50 | 0.75 | 9.50 | 573.56 |
| | Planter | | 4 | 8.25 | 0.38 | 3.00 | 37.22 |
| | | | 4 | 2.00 | 0.38 | 3.00 | 9.02 |
| | Deduction of Door & Window | | | | | | |
| | D-2 | | -3 | 5.00 | 0.75 | 8.00 | (90.00) |
| | D-3 | | -1 | 3.00 | 0.75 | 8.00 | (18.00) |
| | D-4 | | -2 | 3.00 | 0.75 | 8.00 | (36.00) |
| | D-5 | | -6 | 2.50 | 0.38 | 8.00 | (45.00) |
| | D-6 | | -1 | 2.50 | 0.38 | 8.00 | (7.50) |
| | W-1 | | -3 | 4.00 | 0.75 | 4.50 | (40.50) |
| | W-2 | | -2 | 4.00 | 0.75 | 4.00 | (24.00) |
| | W-3 | | -2 | 4.00 | 0.75 | 4.00 | (24.00) |
| | | | | | | **Total:** | **2,318.23** |
| 17 | **Roof water proofing** | | | | | | |
| | Roof Area | | 1 | 1,007.25 | Sft | | 1,007.25 |
| | | | | | | **Total:** | **1,007.25** |
| 18 | **Khurras on roof** | | | | | | |
| | Roof | | 2 | 1.00 | | | 2.00 |
| | | | | | | **Total:** | **2.00** |
| 19 | **Rain water Down Pipe** | | | | | | |
| | | | 2 | 11.00 | | | 22.00 |
| | | | | | | **Total** | **22.00** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| 20 | **Rain water down pipe cast iron head** | | | | | | |
| | Roof | | 2 | 1.00 | | | 2.00 |
| | | | | | | **Total:** | **2.00** |
| 21 | **Rain water down pipe cast iron Shoes, bends** | | | | | | |
| | Roof | | 2 | 1.00 | | | 2.00 |
| | | | | | | **Total:** | **2.00** |
| 22 | **Sand filling** | | | | | | |
| | **Ground Floor** | | | | | | |
| | Meeting Hall | | 1 | 48.00 | 53.25 | 0.33 | 843.48 |
| | Duck Area | | 1 | 432.00 | Area | 0.33 | 142.56 |
| | Kitchen | | 1 | 10.25 | 6.13 | 0.33 | 20.72 |
| | Kitchen | | 1 | 8.00 | 18.13 | 0.33 | 47.85 |
| | Store | | 1 | 10.25 | 11.25 | 0.33 | 38.05 |
| | Male Toilet | | 1 | 8.00 | 18.13 | 0.33 | 47.85 |
| | W.C | | 5 | 5.00 | 3.50 | 0.33 | 28.88 |
| | Female Toilet | | 1 | 7.38 | 6.63 | 0.33 | 16.13 |
| | W.C | | 2 | 3.50 | 5.00 | 0.33 | 11.55 |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | 0.33 | 35.89 |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | 0.33 | 14.43 |
| | | | | | | **Total:** | **1,247.38** |
| 23 | **Plinth Protection** | | | | | | |
| | Out Side | | 1 | 256.00 | 3.00 | | 768.00 |
| | | | | | | **Total:** | **768.00** |
| 24 | **Mozaic flooring** | | | | | | |
| | Planter Bed | | 2 | 7.50 | 1.25 | | 18.75 |
| | Planter walls | | 4 | 7.50 | | 3.00 | 90.00 |
| | Planter walls | | 4 | 1.25 | | 3.00 | 15.00 |
| | | | | | | **Total:** | **123.75** |
| 25 | **Porcelain (Wooden Texture Tile)** | | | | | | |
| i | **Ground Floor** | | | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Meeting Hall | | 1 | 48.00 | 53.25 | | 2556.00 |
| | Duck Area | | 1 | 432.00 | Area | | 432.00 |
| | Store | | 1 | 10.25 | 11.25 | | 115.31 |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | | 108.75 |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | | 43.71 |
| | | | | | | **Total** | **3,255.78** |
| 26 | **Wall skirting** | | | | | | |
| | Meeting Hall | | 1 | 48.00 | | 0.50 | 24.00 |
| | | | 2 | 53.25 | | 0.50 | 53.25 |
| | Duck Area | | 1 | 12.00 | | 0.50 | 6.00 |
| | Store | | 2 | 10.25 | | 0.50 | 10.25 |
| | | | 2 | 11.25 | | 0.50 | 11.25 |
| | 6'-0" Wide Lobby | | 2 | 6.00 | | 0.50 | 6.00 |
| | | | 2 | 18.13 | | 0.50 | 18.13 |
| | 5'-4.5" Wide Lobby | | 2 | 8.13 | | 0.50 | 8.13 |
| | Building Out site | | 1 | 117.00 | | 5.00 | 585.00 |
| | | | | | | **Total** | **722.00** |
| 27 | **Superb Quality Ceramic tile** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Kitchen | | 1 | 10.25 | 6.13 | | 62.78 |
| | Kitchen | | 1 | 8.00 | 18.13 | | 145.00 |
| | Male Toilet | | 1 | 8.00 | 18.13 | | 145.00 |
| | W.C | | 5 | 5.00 | 3.50 | | 87.50 |
| | Female Toilet | | 1 | 7.38 | 6.63 | | 48.89 |
| | W.C | | 2 | 3.50 | 5.00 | | 35.00 |
| | | | | | | **Total** | **524.17** |
| 28 | **Wall skirting/dado** | | | | | | |
| | Kitchen | | 2 | 10.25 | | 7.00 | 143.50 |
| | | | 2 | 6.13 | | 7.00 | 85.75 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Kitchen | | 2 | 8.00 | | 7.00 | 112.00 |
| | | | 2 | 18.13 | | 7.00 | 253.75 |
| | Male Toilet | | 2 | 8.00 | | 7.00 | 112.00 |
| | | | 2 | 18.13 | | 7.00 | 253.75 |
| | W.C | | 10 | 5.00 | | 7.00 | 350.00 |
| | | | 10 | 3.50 | | 7.00 | 245.00 |
| | Female Toilet | | 2 | 7.38 | | 7.00 | 103.32 |
| | | | 2 | 6.63 | | 7.00 | 92.75 |
| | W.C | | 4 | 3.50 | | 7.00 | 98.00 |
| | | | 4 | 5.00 | | 7.00 | 140.00 |
| | Deduction of Door & Window | | | | | | |
| | D-2 | | -2 | 5.00 | | 7.00 | -70.00 |
| | D-3 | | -1 | 3.00 | | 7.00 | -21.00 |
| | D-4 | | -2 | 3.00 | | 7.00 | -42.00 |
| | D-5 | | -6 | 2.50 | | 7.00 | -105.00 |
| | D-6 | | -1 | 2.50 | | 7.00 | -17.50 |
| | W-1 | | -1 | 4.00 | 50% | 3.50 | -7.00 |
| | W-2 | | -2 | 4.00 | 50% | 3.00 | -12.00 |
| | W-3 | | -2 | 4.00 | 50% | 3.00 | -12.00 |
| | | | | | | **Total** | **1,703.32** |
| 29 | **Prepolished Granite** | | | | | | |
| | **Entrance step** | | | | | | |
| | **Front Side** | | | | | | |
| | 1st Treads | | 1 | 42.00 | 1.00 | | 42.00 |
| | 2nd Treads | | 1 | 38.00 | 1.00 | | 38.00 |
| | 1st Riser | | 1 | 44.00 | | 0.50 | 22.00 |
| | 2nd Riser | | 1 | 40.00 | | 0.50 | 20.00 |
| | 3rd Riser | | 1 | 36.00 | | 0.50 | 18.00 |
| | **Window Sills** | | | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | W-1 | | 3 | 4.00 | 1.00 | | 12.00 |
| | W-2 | | 2 | 4.00 | 1.00 | | 8.00 |
| | W-3 | | 2 | 4.00 | 1.00 | | 8.00 |
| | Vanity shelf | | 1 | 12.00 | 2.00 | | 24.00 |
| | Vanity shelf | | 1 | 7.38 | 2.00 | | 14.75 |
| | | | | | | **Total** | **206.75** |
| 30 | **Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Kitchen | | 1 | 10.25 | 6.13 | | 62.78 |
| | Kitchen | | 1 | 8.00 | 18.13 | | 145.00 |
| | Store | | 1 | 10.25 | 11.25 | | 115.31 |
| | Male Toilet | | 1 | 8.00 | 18.13 | | 145.00 |
| | W.C | | 5 | 5.00 | 3.50 | | 87.50 |
| | Female Toilet | | 1 | 7.38 | 6.63 | | 48.89 |
| | W.C | | 2 | 3.50 | 5.00 | | 35.00 |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | | 108.75 |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | | 43.71 |
| | | | | | | **Total** | **791.95** |
| 31 | **Internal Wall Plaster** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Meeting Hall | | 1 | 48.00 | | 9.50 | 456.00 |
| | | | 2 | 53.25 | | 9.50 | 1011.75 |
| | Duck Area | | 2 | 12.00 | | 9.50 | 228.00 |
| | Store | | 2 | 10.25 | | 9.50 | 194.75 |
| | | | 2 | 11.25 | | 9.50 | 213.75 |
| | 6'-0" Wide Lobby | | 2 | 6.00 | | 9.50 | 114.00 |
| | | | 2 | 18.13 | | 9.50 | 344.38 |
| | 5'-4.5" Wide Lobby | | 2 | 8.13 | | 9.50 | 154.38 |
| | Kitchen | | 2 | 10.25 | | 9.50 | 194.75 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | | | 2 | 6.13 | | 9.50 | 116.38 |
| | Kitchen | | 2 | 8.00 | | 9.50 | 152.00 |
| | | | 2 | 18.13 | | 9.50 | 344.38 |
| | Male Toilet | | 2 | 8.00 | | 9.50 | 152.00 |
| | | | 2 | 18.13 | | 9.50 | 344.38 |
| | W.C | | 10 | 5.00 | | 9.50 | 475.00 |
| | | | 10 | 3.50 | | 9.50 | 332.50 |
| | Female Toilet | | 2 | 7.38 | | 9.50 | 140.22 |
| | | | 2 | 6.63 | | 9.50 | 125.88 |
| | W.C | | 4 | 3.50 | | 9.50 | 133.00 |
| | | | 4 | 5.00 | | 9.50 | 190.00 |
| | Planter | | 4 | 7.50 | | 3.00 | 90.00 |
| | | | 4 | 1.00 | | 3.00 | 12.00 |
| | Deduction of Door & Window | | | | | | |
| | D-2 | | -3 | 5.00 | | 8.00 | -120.00 |
| | D-3 | | -1 | 3.00 | | 8.00 | -24.00 |
| | D-4 | | -2 | 3.00 | | 8.00 | -48.00 |
| | D-5 | | -6 | 2.50 | | 8.00 | -120.00 |
| | D-6 | | -1 | 2.50 | | 8.00 | -20.00 |
| | W-1 | | -3 | 4.00 | 50% | 4.50 | (27.00) |
| | W-2 | | -2 | 4.00 | 50% | 4.00 | (16.00) |
| | W-3 | | -2 | 4.00 | 50% | 4.00 | (16.00) |
| | | | | | | **Total** | **5,128.47** |
| 32 | **External Wall Plaster** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | **External wall** | | | | | | |
| | | | 1 | 90.00 | Rft | 10.50 | 945.00 |
| | | | 1 | 53.25 | Rft | 3.50 | 186.38 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Roof Parapit wall | | 2 | 90.00 | Rft | 2.50 | 450.00 |
| | Planter | | 4 | 8.25 | | 2.25 | 74.25 |
| | | | 4 | 1.75 | | 2.25 | 15.75 |
| | | | | | | **Total** | **1,671.38** |
| 33 | **Distempering** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Qty as per internal plaster of Slab | | | | | | 791.95 |
| | Qty as per internal plaster of walls | | | | | | 5,128.47 |
| | | | | | | **Total** | **5,920.42** |
| 34 | **M.S chowkat Double Leaf** | | | | | | |
| i | **Single leaf** | | | | | | |
| | D-3 | | 1 | 3.00 | | 8.00 | 24.00 |
| | | | | | | **Total** | **24.00** |
| ii | **Double Leaf** | | | | | | |
| | D-2 | | 3 | 5.00 | | 8.00 | 120.00 |
| | | | | | | **Total** | **120.00** |
| 35 | **Soild Core Door** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | D-2 | | 3 | 5.00 | | 8.00 | 120.00 |
| | D-3 | | 1 | 3.00 | | 8.00 | 24.00 |
| | | | | | | **Total** | **144.00** |
| 36 | **Mortice Lock** | | | | | | |
| i | Ground Floor | | 4 | | | | 4.00 |
| | | | | | | **Total** | **4.00** |
| 37 | **Door Stops** | | | | | | |
| i | Ground Floor | | 4 | | | | 4.00 |
| | | | | | | **Total** | **4.00** |
| 38 | **Weathersheild paint** | | | | | | |
| i | **Ground Floor** | | | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Qty as per External plaster of walls | | | | | | 1,671.38 |
| | | | | | | **Total** | **1,671.38** |
| 39 | **Aluminium Glazed Door** | | | | | | |
| | Front side | | 1 | 48.00 | | 13.83 | 664.00 |
| | Back side | | 1 | 48.00 | | 3.67 | 176.00 |
| | | | | | | **Total** | **840.00** |
| 40 | **Aluminium Window** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | W-1 | | 3 | 4.00 | | 4.50 | 54.00 |
| | W-2 | | 2 | 4.00 | | 4.00 | 32.00 |
| | W-3 | | 2 | 4.00 | | 4.00 | 32.00 |
| | | | | | | **Total** | **118.00** |
| 41 | **Aluminum Fly screen** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Qty same as per item Aluminium Window | | 1 | 118.00 | 50% | | 59.00 |
| | | | | | | **Total** | **59.00** |
| 42 | **M.S. flat grill** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Qty same as per item Aluminium Window | | 1 | 118.00 | | | 118.00 |
| | | | | | | **Total** | **118.00** |
| 43 | **M.S. Stair Railing** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | | | 2 | 24.00 | | | 48.00 |
| | | | | | | **Total** | **48.00** |
| 44 | **Corrugated galvanized iron sheets 16 gauge** | | | | | | |
| | Sheet Area | | 2 | 60.00 | 30.00 | | 3,600.00 |
| | Gutter | | 2 | 60.00 | 4.25 | | 510.00 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | | | | | | **Total** | **4,110.00** |
| 45 | **Fabrication of heavy steel work** | | | | | | |
| | MS Rafter center side | 1 | 8 | 30.00 | 0.025 | 1.48 | 8.86 |
| | MS Rafter Top & Bottom side | 2 | 8 | 30.00 | 0.50 | 0.035 | 8.48 |
| | Channel Purlin center side | 1 | 21 | 60.00 | 0.417 | 0.03 | 14.30 |
| | Channel Purlin top & bottom side | 2 | 21 | 60.00 | 0.19 | 0.032 | 15.31 |
| | MS Columns | 1 | 8 | 8.00 | 0.025 | 1.48 | 2.36 |
| | MS Columns sides | 2 | 8 | 8.00 | 0.04 | 0.499 | 2.26 |
| | M.S Base plate2.5' *2' , 1.5 inch thick | 1 | 8 | 2.50 | 2.00 | 0.13 | 5.00 |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 4 | 16 | 60.00 | 0.25 | 0.0208 | 20.00 |
| | walls | | | | | | |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C in walls | 3 | 2 | 60.00 | 0.25 | 0.0208 | 1.88 |
| | M.S-L Iron Section forSupport of Pvc Pannel @3"*6' 1/8" C/C in walls | 1 | 2 | 60.00 | 0.08 | 0.0104 | 0.10 |
| | | | | | | **Total** | **78.55** |
| | | | | 78.55 | Lbs Per cft | **490.00** | **38,489.98** |
| | | | | | | **Total** | **17,463.69** |
| | **Plain Rowel Bolt in Columns** | | 8 | 6.00 | | 3.50 | 168.00 |
| | unit weight 1 inch dia | | | 168.00 | Kg Per Rft weight | 0.68 | 114.34 |
| | | | | | | **Total** | **114.34** |
| | | | | | | **Grand Total** | **17,578.03** |
| 46 | **Painting of Iron Work** | | | | | | |
| | Sheet Area | | 2 | 4,110.00 | | | 8,220.00 |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 4110.00 |
| | | | | | | **Total** | **12,330.00** |
| 47 | **Termite proofing under foundations** | | | | | | |
| | **at beds** | | | | | | |
| | F-1 | | 8 | 10.50 | 8.50 | | 714.00 |
| | Section A-A | | 1 | 128.38 | 3.00 | | 385.13 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | Section B-B | | 1 | 24.00 | 3.00 | | 72.00 |
| | Section C-C | | 2 | 34.50 | 3.00 | | 207.00 |
| | Section D-D | | 1 | 49.50 | 3.00 | | 148.50 |
| | Section E-E | | 1 | 55.50 | 1.88 | | 104.34 |
| | Section F-F | | 1 | 80.50 | 3.00 | | 241.50 |
| | Out Side | | 1 | 256.00 | 1.50 | | 384.00 |
| | **sides** | | | | | | |
| | F-1 | | 16 | 10.50 | | 3.00 | 504.00 |
| | F-1 | | 16 | 8.50 | | 3.00 | 408.00 |
| | Section A-A | | 2 | 128.38 | | 3.00 | 770.25 |
| | Section B-B | | 2 | 24.00 | | 3.00 | 144.00 |
| | Section C-C | | 4 | 34.50 | | 3.00 | 414.00 |
| | Section D-D | | 2 | 49.50 | | 3.00 | 297.00 |
| | Section E-E | | 2 | 55.50 | | 1.00 | 111.00 |
| | Section F-F | | 2 | 80.50 | | 3.00 | 483.00 |
| | Plinth Protection | | | | | | |
| | Out Side | | 2 | 256.00 | | 1.00 | 512.00 |
| | **Under Floor** | | | | | | |
| | Meeting Hall | | 1 | 48.00 | 53.25 | | 2556.00 |
| | Duck Area | | 1 | 432.00 | Area | | 432.00 |
| | Kitchen | | 1 | 10.25 | 6.13 | | 62.78 |
| | Kitchen | | 1 | 8.00 | 18.13 | | 145.00 |
| | Store | | 1 | 10.25 | 11.25 | | 115.31 |
| | Male Toilet | | 1 | 8.00 | 18.13 | | 145.00 |
| | W.C | | 5 | 5.00 | 3.50 | | 87.50 |
| | Female Toilet | | 1 | 7.38 | 6.63 | | 48.89 |
| | W.C | | 2 | 3.50 | 5.00 | | 35.00 |
| | 6'-0" Wide Lobby | | 1 | 6.00 | 18.13 | | 108.75 |
| | 5'-4.5" Wide Lobby | | 1 | 8.13 | 5.38 | | 43.71 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS PUNJAB**

**CORPORATE MEETING OFFICE**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents |
|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | |
| | | | | | | **Total:** | **9,679.66** |
| | **Non-schedule items** | | | | | | |
| NS-1 | **UPVC Panel Door** | | | | | | |
| | D-4 | | 2 | 3.00 | | 8.00 | 48.00 |
| | D-5 | | 6 | 2.50 | | 8.00 | 120.00 |
| | D-6 | | 1 | 2.50 | | 8.00 | 20.00 |
| | | | | | | **Total** | **188.00** |
| NS-2 | **Sand which Panel with insulation** | | | | | | |
| | Sheet Area | | 2 | 60.00 | 30.00 | | 3,600.00 |
| | Gutter | | 2 | 60.00 | 4.25 | | 510.00 |
| | | | | | | **Total** | **4,110.00** |
| NS-3 | **Pvc Panel with pasted to Sheet** | | | | | | |
| | Left & Right side in Hall | | 2 | 60.00 | | 11.00 | 1,320.00 |
| | Rear Side in Hall | | 1 | 48.00 | | 11.00 | 528.00 |
| | Bottom Roof | | 1 | 48.00 | 53.25 | | 2556.00 |
| | | | | | | **Total** | **4,404.00** |
| NS-4 | **Wooden Planks** | | | | | | |
| | Top Roof | | 1 | 3,600.00 | Area | | 3600.00 |
| | Outer walls | | 2 | 60.00 | | 7.00 | 840.00 |
| | Planter L/wall | | 4 | 8.25 | | 2.00 | 66.00 |
| | S/w | | 4 | 2.00 | | 2.00 | 16.00 |
| | | | | | | **Total** | **4,522.00** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Floating Restaurant

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 149,530,000 | |
| | **Grand.Total** | **149,530,000** | **149,530,000** |

**ROUGH COST ESTIMATE**

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Construction of Ecolodges Single Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 57,000,000 | |
| | **Net Total** | **57,000,000** | **57,000,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 9,993.47 | 15.82 | 158,096.75 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 4,996.74 | 7.54 | 37,675.39 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 5,536.13 | 16.02 | 88,688.72 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 242.52 | 375.16 | 90,982.75 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 304.49 | 124.41 | 37,881.21 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 156.86 | 497.23 | 77,993.94 |
| 7 | 18/3 aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 2,551.01 | 100.03 | 255,177.97 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,373.62 | 41.07 | 56,414.70 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 438.23 | 694.70 | 304,438.82 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 370.45 | 841.70 | 311,810.40 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 2,900.75 | 303.10 | 879,216.24 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,965.93 | 370.56 | 728,494.33 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 610.76 | 392.61 | 239,788.70 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 304.49 | 41.07 | 12,505.28 |
| 15 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | P.Sft | 609.00 | 2,511.82 | 1,529,698.38 |
| 16 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 259.35 | 450.10 | 116,733.44 |
| 17 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 53.03 | 451.50 | 23,940.79 |
| 18 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 58.54 | 1,233.15 | 72,185.52 |
| | **11. SURFACE RENDERING** | | | | | |
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 950.84 | 46.18 | 43,909.82 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 890.47 | 62.00 | 55,208.87 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Prime Coat | P.Sft | 998.38 | 3.93 | 3,923.64 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 998.38 | 8.76 | 8,745.83 |
| | | ii) two coats | P.Sft | 998.38 | 12.12 | 12,100.40 |
| | **12. WOOD WORK** | | | | | |
| 22 | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 43.05 | 14,603.05 | 628,731.84 |
| 23 | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 1,025.12 | 74.32 | 76,186.55 |
| 24 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 25.73 | 950.00 | 24,438.75 |
| 25 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 27.01 | 756.75 | 20,440.76 |
| 26 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 1.00 | 178.30 | 178.30 |
| 27 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 1.00 | 4,400.25 | 4,400.25 |
| | **13. PAINTING AND VARNISHING** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 28 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 934.99 | 47.26 | 44,187.58 |
| | | **ii) 2nd coat** | P.Sft | 934.99 | 26.52 | 24,795.91 |
| | **25. IRON WORK** | | | | | |
| 29 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 65.56 | 1,306.55 | 85,656.60 |
| 30 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 34.42 | 542.80 | 18,682.46 |
| 31 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 68.84 | 1,191.85 | 82,043.79 |
| 32 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 703.50 | 1,648.65 | 1,159,825.28 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 33 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 9,453.13 | 388.93 | 3,676,604.75 |
| 34 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 2,110.50 | 11.91 | 25,136.06 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 2,110.50 | 24.24 | 51,158.52 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **26. MISCELLANEOUS** | | | | | |
| 35 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 23,523.60 | 12.55 | 295,221.16 |
| | | **Total Cost for Each** | | | | **11,363,300** |
| | | **Total Cost for 3 Nos.** | | | | **34,089,901** |
| | | **Non Schedule Items** | | | | **22,910,099** |
| | | **NON-SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **57,000,000** |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 9.50 | 5.25 | 4,239.38 | |
| | Footing Wall B | | 1 | 10.75 | 9.50 | 5.25 | 536.16 | |
| | Toe Wall | | 1 | 92.00 | 7.00 | 5.25 | 3,381.00 | |
| | Planter | | 1 | 20.50 | 6.50 | 5.25 | 699.56 | |
| | Planter | | 1 | 28.00 | 4.50 | 5.25 | 661.50 | |
| | | | | | **Add 5%** | **Total:** | **9,993.47** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 9,993.47 | | | **4,996.74** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 6.00 | 1,170.00 | |
| | Bath | | 1 | 8.00 | 6.50 | 6.00 | 312.00 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 6.00 | 310.50 | |
| | Sitting Duck | | 1 | 580.00 | Area | 6.00 | 3,480.00 | |
| | | | | | **Add 5%** | **Total:** | **5,536.13** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 5.50 | 0.25 | 116.88 | |
| | Footing Wall B | | 1 | 10.75 | 5.50 | 0.25 | 14.78 | |
| | Toe Wall | | 1 | 92.00 | 3.00 | 0.25 | 69.00 | |
| | Planter | | 1 | 20.50 | 2.50 | 0.25 | 12.81 | |
| | Planter | | 1 | 28.00 | 2.50 | 0.25 | 17.50 | |
| | | | | | **Add 5%** | **Total:** | **242.52** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 0.33 | 64.35 | |
| | Bath | | 1 | 8.00 | 6.50 | 0.33 | 17.16 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 0.33 | 17.08 | |
| | Sitting Duck | | 1 | 580.00 | Area | 0.33 | 191.40 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total:** | **304.49** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 0.17 | 33.15 | |
| | Bath | | 1 | 8.00 | 6.50 | 0.17 | 8.84 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 0.17 | 8.80 | |
| | Sitting Duck | | 1 | 580.00 | Area | 0.17 | 98.60 | |
| | | | | | **Add 5%** | **Total:** | **156.86** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 5.00 | 0.67 | 284.75 | |
| | Footing Wall B | | 1 | 10.75 | 5.00 | 0.67 | 36.01 | |
| | Toe Wall | | 1 | 92.00 | 2.50 | 0.42 | 96.60 | |
| | | | | | **Add 5%** | **Total:** | **438.23** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 0.75 | 0.75 | 47.81 | |
| ii | **Lintel Band** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 0.75 | 0.75 | 47.81 | |
| iii | **Roof Band** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 0.75 | 0.75 | 47.81 | |
| | Kitchen shelf | | 1 | 25.00 | 2.00 | 0.25 | 12.50 | |
| iv | **P-1** | | | | | | | |
| | | | 10 | 1.50 | 1.50 | 8.75 | 196.88 | |
| | | | | | **Add 5%** | **Total** | **370.45** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 438.23 | 2.50 | Per Cft | 1,095.58 | |
| | Superstructural | | 1 | 370.45 | 4.50 | Per Cft | 1,667.04 | |
| | | | | | **Add 5%** | **Total** | **2,900.75** | Kg |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 10 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | Footing Wall A | 65% | 1 | 85.00 | 9.50 | 2.00 | 1,049.75 | |
| | Footing Wall B | 65% | 1 | 10.75 | 9.50 | 2.00 | 132.76 | |
| | Toe Wall | 65% | 1 | 92.00 | 7.00 | 2.00 | 837.20 | |
| | Planter | 65% | 1 | 20.50 | 6.50 | 2.00 | 173.23 | |
| | Planter | 65% | 1 | 28.00 | 6.50 | 2.00 | 236.60 | |
| | | | | | **Add 5%** | **Total:** | **2,551.01** | |
| 11 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | Footing Wall A | 35% | 1 | 85.00 | 9.50 | 2.00 | 565.25 | |
| | Footing Wall B | 35% | 1 | 10.75 | 9.50 | 2.00 | 71.49 | |
| | Toe Wall | 35% | 1 | 92.00 | 7.00 | 2.00 | 450.80 | |
| | Planter | 35% | 1 | 20.50 | 6.50 | 2.00 | 93.28 | |
| | Planter | 35% | 1 | 28.00 | 6.50 | 2.00 | 127.40 | |
| | | | | | **Add 5%** | **Total:** | **1,373.62** | |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **1st Steps** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 1.50 | 0.50 | 63.75 | |
| | Toe Wall | | 1 | 92.00 | 1.50 | 8.50 | 1,173.00 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 1.13 | 0.50 | 47.81 | |
| | **3rd Steps** | | | | | | | |
| | Ecologes | | 1 | 85.00 | 0.75 | 6.50 | 414.38 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 50.00 | 3.00 | 0.50 | 75.00 | |
| | 2nd step | | 1 | 48.00 | 2.00 | 0.50 | 48.00 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | 3rd step | | 1 | 46.00 | 1.00 | 0.50 | 23.00 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 9.25 | 3.00 | 0.50 | 13.88 | |
| | 2nd step | | 1 | 9.00 | 2.00 | 0.50 | 9.00 | |
| | 3rd step | | 1 | 9.00 | 1.00 | 0.50 | 4.50 | |
| | | | | | **Add 5%** | **Total:** | **1,965.93** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Ecologes | | 2 | 19.50 | 0.75 | 10.00 | 292.50 | |
| | | | 2 | 10.00 | 0.75 | 10.00 | 150.00 | |
| | Bath | | 2 | 8.00 | 0.75 | 10.00 | 120.00 | |
| | | | 2 | 6.50 | 0.75 | 10.00 | 97.50 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 3.50 | 0.75 | 7.00 | (18.38) | |
| | D-2 | | -1 | 2.50 | 0.75 | 7.00 | (13.13) | |
| | W-1 | | -1 | 6.00 | 0.75 | 5.25 | (23.63) | |
| | W-2 | | -1 | 4.75 | 0.75 | 5.25 | (18.70) | |
| | V-1 | | -1 | 3.00 | 0.75 | 2.00 | (4.50) | |
| | | | | | **Add 5%** | **Total:** | **610.76** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 0.33 | 64.35 | |
| | Bath | | 1 | 8.00 | 6.50 | 0.33 | 17.16 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 0.33 | 17.08 | |
| | Sitting Duck | | 1 | 580.00 | Area | 0.33 | 191.40 | |
| | | | | | **Add 5%** | **Total:** | **304.49** | **Cft** |
| 15 | **Shisham wood block flooring** | | | | | | | |
| | Duck Area | | 1 | 580.00 | Area | | 580.00 | |
| | | | | | **Add 5%** | **Total:** | **609.00** | **Sft** |
| 16 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ecologes | | 1 | 19.50 | 10.00 | | 195.00 | |
| | Bath | | 1 | 8.00 | 6.50 | | 52.00 | |
| | | | | | **Add 5%** | **Total** | **259.35** | Sft |
| 17 | **Wall skirting** | | | | | | | |
| | Ecologes | | 2 | 19.50 | | 0.50 | 19.50 | |
| | Ecologes | | 2 | 10.00 | | 0.50 | 10.00 | |
| | Bath | | 2 | 8.00 | | 0.50 | 8.00 | |
| | Bath | | 4 | 6.50 | | 0.50 | 13.00 | |
| | | | | | **Add 5%** | **Total** | **53.03** | Sft |
| 18 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | Risers | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | W-1 | | 1 | 6.00 | 1.00 | | 6.00 | |
| | W-2 | | 1 | 4.75 | 1.00 | | 4.75 | |
| | V-1 | | 1 | 3.00 | 1.00 | | 3.00 | |
| | | | | | **Add 5%** | **Total** | **58.54** | Sft |
| 19 | **Internal Wall Plaster** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 2 | 19.50 | | 10.00 | 390.00 | |
| | Ecologes | | 2 | 10.00 | | 10.00 | 200.00 | |
| | Bath | | 2 | 8.00 | | 10.00 | 160.00 | |
| | Bath | | 4 | 6.50 | | 10.00 | 260.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | D-2 | | -1 | 2.50 | | 7.00 | (17.50) | |
| | W-1 | | -1 | 6.00 | | 5.25 | (31.50) | |
| | W-2 | | -1 | 4.75 | | 5.25 | (24.94) | |
| | V-1 | | -1 | 3.00 | | 2.00 | (6.00) | |
| | | | | | **Add 5%** | **Total** | **950.84** | Sft |
| 20 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 1 | 85.00 | | 11.00 | 935.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | W-1 | | -1 | 6.00 | | 5.25 | (31.50) | |
| | W-2 | | -1 | 4.75 | | 5.25 | (24.94) | |
| | V-1 | | -1 | 3.00 | | 2.00 | (6.00) | |
| | | | | | **Add 5%** | **Total** | **890.47** | Sft |
| 21 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 950.84 | |
| | | | | | **Add 5%** | **Total** | **998.38** | Sft |
| 22 | **Wooden Cladding Sheet** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 13.50 | 2.00 | 0.042 | 4.54 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 1 | 11.50 | 2.00 | 0.042 | 0.97 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | 0.042 | 6.55 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 1 | 7.75 | 2.00 | 0.042 | 1.30 | |
| | Top Purlin 3"x6"x1/4" | 2 | 3 | 27.50 | 1.00 | 0.042 | 6.93 | |
| | Top Purlin 3"x6"x1/4" | 2 | 2 | 7.25 | 1.00 | 0.042 | 1.22 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 3 | 27.50 | 0.25 | 0.042 | 1.73 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 2 | 7.25 | 0.25 | 0.042 | 0.30 | |
| | Center Box 4"x4"x1/2" | 1 | 4 | 13.50 | 1.32 | 0.042 | 2.99 | |
| | Center Box 4"x4"x1/2" | 1 | 1 | 11.00 | 1.32 | 0.042 | 0.61 | |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | 0.042 | 13.86 | |
| | | | | | **Add 5%** | **Total:** | **43.05** | **Cft** |
| 23 | **French polishing** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 13.50 | 2.00 | | 108.00 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 1 | 11.50 | 2.00 | | 23.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | | 156.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 1 | 7.75 | 2.00 | | 31.00 | |
| | Top Purlin 3"x6"x1/4" | 2 | 3 | 27.50 | 1.00 | | 165.00 | |
| | Top Purlin 3"x6"x1/4" | 2 | 2 | 7.25 | 1.00 | | 29.00 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 3 | 27.50 | 0.25 | | 41.25 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 2 | 7.25 | 0.25 | | 7.25 | |
| | Center Box 4"x4"x1/2" | 1 | 4 | 13.50 | 1.32 | | 71.28 | |
| | Center Box 4"x4"x1/2" | 1 | 1 | 11.00 | 1.32 | | 14.52 | |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | | 330.00 | |
| | | | | | **Add 5%** | **Total:** | **1,025.12** | **Sft** |
| 24 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 1 | 3.50 | | 7.00 | 24.50 | |
| | | | | | **Add 5%** | **Total** | **25.73** | Cft |
| 25 | **MS/ GI Chowkat singel/double** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Qty as per Door | | 1 | 25.73 | | | 25.73 | |
| | | | | | **Add 5%** | **Total** | **27.01** | Sft |
| 26 | **Door Stops** | | | | | | | |
| | Door | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 27 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | Door | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 28 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 890.47 | |
| | | | | | **Add 5%** | **Total** | **934.99** | Sft |
| 29 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 1 | 6.00 | | 5.25 | 31.50 | |
| | W-2 | | 1 | 4.75 | | 5.25 | 24.94 | |
| | V-1 | | 1 | 3.00 | | 2.00 | 6.00 | |
| | | | | | **Add 5%** | **Total** | **65.56** | Sft |
| 30 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 65.56 | 50% | | 32.78 | |
| | | | | | **Add 5%** | **Total** | **34.42** | Sft |
| 31 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 65.56 | | | 65.56 | |
| | | | | | **Add 5%** | **Total** | **68.84** | Sft |
| 32 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | 1 | 2 | 28.00 | 9.75 | | 546.00 | |
| | Sheet Area | 1 | 2 | 8.00 | 7.75 | | 124.00 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total** | **703.50** | Sft |
| 33 | **Fabrication of heavy steel work** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 13.50 | 2.00 | 0.042 | 4.54 | Cft |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 1 | 11.50 | 2.00 | 0.042 | 0.97 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | 0.042 | 6.55 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 1 | 7.75 | 2.00 | 0.042 | 1.30 | Cft |
| | Top Purlin 3"x6"x1/4" | 2 | 3 | 27.50 | 1.00 | 0.021 | 3.47 | Cft |
| | Top Purlin 3"x6"x1/4" | 2 | 2 | 7.25 | 1.00 | 0.021 | 0.61 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 3 | 27.50 | 0.25 | 0.021 | 0.87 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 2 | 7.25 | 0.25 | 0.021 | 0.15 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 4 | 13.50 | 1.32 | 0.042 | 2.99 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 1 | 11.00 | 1.32 | 0.042 | 0.61 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | 0.042 | 13.86 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 10 | 1.25 | 1.25 | 0.042 | 0.66 | Cft |
| | J Bolts 3/4" dia | 4 | 10 | 0.0031 | Area | 2.00 | 0.25 | Cft |
| | | | | | **Add 5%** | **Total** | **38.65** | Cft |
| | | | | **38.65** | Lbs Per cft | **490.00** | **18,940.63** | Lbs |
| | | | | | | **Total** | **8,593.75** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **9,453.13** | Kg |
| 34 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 703.50 | | | 1,407.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 703.50 | |
| | | | | | | **Total** | **2,110.50** | Sft |
| 35 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Raft | | 1 | 2,600.00 | Area | | 2,600.00 | |
| | Section C-C | | 1 | 195.25 | 2.50 | | 488.13 | |
| | Protection Wall out side | | 1 | 345.00 | 6.50 | | 2,242.50 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Drain | | 1 | 345.00 | 2.00 | | 690.00 | |
| | **Deduction** | | | | | | | |
| | Info & Ticketing Hall | | -1 | 757.00 | Area | | (757.00) | |
| | Office/Hall | | -1 | 127.00 | Area | | (127.00) | |
| | Veranda | | -1 | 64.00 | Area | | (64.00) | |
| | Veranda | | -1 | 19.00 | Area | | (19.00) | |
| | Toilet | | -1 | 34.00 | Area | | (34.00) | |
| | Server Room | | -1 | 41.00 | Area | | (41.00) | |
| | **sides** | | | | | | | |
| | Raft | | 1 | 2,600.00 | Area | 3.25 | 8,450.00 | |
| | Section C-C | | 1 | 195.25 | 2.50 | 3.25 | 1,586.41 | |
| | Protection Wall out side | | 1 | 345.00 | 6.50 | 3.25 | 7,288.13 | |
| | Drain | | 1 | 345.00 | 2.00 | 3.25 | 2,242.50 | |
| | **Deduction** | | | | | | | |
| | Info & Ticketing Hall | | -1 | 757.00 | Area | 3.25 | (2,460.25) | |
| | Office/Hall | | -1 | 127.00 | Area | 3.25 | (412.75) | |
| | Veranda | | -1 | 64.00 | Area | 3.25 | (208.00) | |
| | Veranda | | -1 | 19.00 | Area | 3.25 | (61.75) | |
| | Toilet | | -1 | 34.00 | Area | 3.25 | (110.50) | |
| | Server Room | | -1 | 41.00 | Area | 3.25 | (133.25) | |
| | **Under Floor** | | | | | | | |
| | Info & Ticketing Hall | | 1 | 39.00 | 27.00 | | 1,053.00 | |
| | Office/Hall | | 1 | 15.00 | 17.33 | | 259.95 | |
| | Server Room | | 1 | 15.00 | 9.00 | | 135.00 | |
| | Veranda | | 1 | 16.75 | 7.00 | | 117.25 | |
| | Toilet | | 1 | 11.25 | 9.00 | | 101.25 | |
| | W.C | | 2 | 5.17 | 5.13 | | 52.99 | |
| | Duck Area | | 1 | 645.00 | Area | | 645.00 | |
| | | | | | | **Total:** | **23,523.60** | **Sft** |

**ROUGH COST ESTIMATE**

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Construction of Ecolodges Double Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 58,000,000 | |
| | **Net Total** | **58,000,000** | **58,000,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 18,753.53 | 15.82 | 296,681 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 9,376.76 | 7.54 | 70,701 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 17,635.75 | 16.02 | 282,525 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 513.98 | 375.16 | 192,823 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 969.97 | 124.41 | 120,673 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 499.68 | 497.23 | 248,456 |
| 7 | 18/3 aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 4,643.73 | 100.03 | 464,512 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 2,500.47 | 41.07 | 102,694 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 920.00 | 694.70 | 639,124 |
| 110 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 550.00 | 841.70 | 462,935 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 3,500.00 | 303.10 | 1,060,850 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 3,613.97 | 370.56 | 1,339,192 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 1,754.14 | 392.61 | 688,692 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 831.37 | 41.07 | 34,144 |
| 15 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | P.Sft | 1,167.60 | 2,511.82 | 2,932,801 |
| 16 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 1,771.69 | 450.10 | 797,438 |
| 17 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 907.02 | 451.50 | 409,520 |
| 18 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 152.94 | 1,233.15 | 188,602 |
| | **11. SURFACE RENDERING** | | | | | |
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 3,589.58 | 46.18 | 165,767 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,647.64 | 62.00 | 164,153 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 3,769.06 | 3.93 | 14,812 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 3,769.06 | 8.76 | 33,017 |
| | | ii) two coats | P.Sft | 3,769.06 | 12.12 | 45,681 |
| | **12. WOOD WORK** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 21a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 226.63 | 14,603.05 | 3,309,475 |
| 21b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 5,395.93 | 74.32 | 401,025 |
| 22 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 95.55 | 950.00 | 90,773 |
| 23 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 100.33 | 756.75 | 75,923 |
| 24 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 3.00 | 178.30 | 535 |
| 25 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 3.00 | 4,400.25 | 13,201 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 2,780.02 | 47.26 | 131,384 |
| | | **ii) 2nd coat** | P.Sft | 2,780.02 | 26.52 | 73,726 |
| | **25. IRON WORK** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 27 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 550.00 | 1,306.55 | 718,603 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 423.60 | 542.80 | 229,932 |
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 650.00 | 1,191.85 | 774,703 |
| 30 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,200.00 | 1,648.65 | 1,978,380 |
| 31 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 2,500.00 | 388.93 | 972,325 |
| 32 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 6,889.84 | 11.91 | 82,058 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | 26. MISCELLANEOUS | | | | | |
| | | Total Cost for Each | | | | 19,607,835 |
| | | Total Cost for 2 Nos. | | | | 39,215,671 |
| | | Non Schedule Item | | | | 18,784,329 |
| | | SCHEDULE ITEMS TOTAL AMOUNT (RS) | | | | 58,000,000 |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Section A-A | | 1 | 306.00 | 9.50 | 5.25 | 15,261.75 | |
| | Section C-C | | 1 | 110.00 | 4.50 | 5.25 | 2,598.75 | |
| | | | | | **Add 5%** | **Total:** | **18,753.53** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 18,753.53 | | | **9,376.76** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Lounge | | 1 | 30.33 | 15.00 | 6.00 | 2,729.70 | |
| | Lounge | | 1 | 9.75 | 10.50 | 6.00 | 614.25 | |
| | Bed | | 2 | 20.00 | 20.00 | 6.00 | 4,800.00 | |
| | Bath | | 2 | 11.00 | 15.00 | 6.00 | 1,980.00 | |
| | Duck Area | | 1 | 1,112.00 | Area | 6.00 | 6,672.00 | |
| | | | | | **Add 5%** | **Total:** | **17,635.75** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Section A-A | | 1 | 306.00 | 5.50 | 0.25 | 420.75 | |
| | Section C-C | | 1 | 110.00 | 2.50 | 0.25 | 68.75 | |
| | | | | | **Add 5%** | **Total:** | **513.98** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Lounge | | 1 | 30.33 | 15.00 | 0.33 | 150.13 | |
| | Lounge | | 1 | 9.75 | 10.50 | 0.33 | 33.78 | |
| | Bed | | 2 | 20.00 | 20.00 | 0.33 | 264.00 | |
| | Bath | | 2 | 11.00 | 15.00 | 0.33 | 108.90 | |
| | Duck Area | | 1 | 1,112.00 | Area | 0.33 | 366.96 | |
| | | | | | | **Total:** | **969.97** | Cft |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Lounge | | 1 | 30.33 | 15.00 | 0.17 | 77.34 | |
| | Lounge | | 1 | 9.75 | 10.50 | 0.17 | 17.40 | |
| | Bed | | 2 | 20.00 | 20.00 | 0.17 | 136.00 | |
| | Bath | | 2 | 11.00 | 15.00 | 0.17 | 56.10 | |
| | Duck Area | | 1 | 1,112.00 | Area | 0.17 | 189.04 | |
| | | | | | **Add 5%** | **Total:** | **499.68** | Cft |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and aggregate | | | | | | | |
| | Section A-A | 65% | 1 | 306.00 | 9.50 | 2.00 | 3,779.10 | |
| | Section C-C | 65% | 1 | 110.00 | 4.50 | 2.00 | 643.50 | |
| | | | | | **Add 5%** | **Total:** | **4,643.73** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | Section A-A | 35% | 1 | 306.00 | 9.50 | 2.00 | 2,034.90 | |
| | Section C-C | 35% | 1 | 110.00 | 4.50 | 2.00 | 346.50 | |
| | | | | | **Add 5%** | **Total:** | **2,500.47** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Section A-A | | 1 | 306.00 | 5.00 | 0.67 | 1,025.10 | |
| | Section C-C | | 1 | 110.00 | 2.00 | 0.50 | 110.00 | |
| | | | | | **Add 5%** | **Total:** | **1,191.86** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 306.00 | 0.75 | 0.75 | 172.13 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 306.00 | 0.75 | 0.75 | 172.13 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 306.00 | 0.75 | 0.75 | 172.13 | |
| | Kitchen shelf | | 1 | 25.00 | 2.00 | 0.25 | 12.50 | |
| iv | **P-1** | | | | | | | |
| | | | 22 | 1.50 | 1.50 | 8.75 | 433.13 | |
| | | | | | **Add 5%** | **Total** | **1,010.10** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,191.86 | 2.50 | Per Cft | 2,979.64 | |
| | Superstructural | | 1 | 1,010.10 | 4.50 | Per Cft | 4,545.45 | |
| | | | | | **Add 5%** | **Total** | **7,901.34** | Kg |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Section A-A | | 1 | 306.00 | 1.50 | 0.50 | 229.50 | |
| | Section C-C | | 1 | 110.00 | 1.50 | 8.50 | 1,402.50 | |
| | **2nd Steps** | | | | | | | |
| | Section A-A | | 1 | 306.00 | 1.13 | 0.50 | 172.13 | |
| | **3rd Steps** | | | | | | | |
| | Section A-A | | 1 | 306.00 | 0.75 | 6.50 | 1,491.75 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 50.00 | 3.00 | 0.50 | 75.00 | |
| | 2nd step | | 1 | 48.00 | 2.00 | 0.50 | 48.00 | |
| | 3rd step | | 1 | 46.00 | 1.00 | 0.50 | 23.00 | |
| | | | | | **Add 5%** | **Total:** | **3,613.97** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Lounge | | 1 | 30.33 | 0.75 | 11.50 | 261.60 | |
| | Lounge | | 2 | 15.00 | 0.75 | 11.50 | 258.75 | |
| | Lounge | | 1 | 9.75 | 0.75 | 11.50 | 84.09 | |
| | Bed | | 4 | 20.00 | 0.75 | 11.50 | 690.00 | |
| | Bed | | 4 | 20.00 | 0.75 | 11.50 | 690.00 | |
| | Bath | | 2 | 11.00 | 0.75 | 11.50 | 189.75 | |
| | Bath | | 1 | 15.00 | 0.75 | 11.50 | 129.38 | |
| | Bath | | 1 | 5.00 | 0.75 | 11.50 | 43.13 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 5.00 | 0.75 | 7.00 | (26.25) | |
| | D-2 | | -2 | 4.00 | 0.75 | 7.00 | (42.00) | |
| | D-3 | | -2 | 3.00 | 0.75 | 7.00 | (31.50) | |
| | W-1 | | -13 | 4.50 | 0.75 | 10.67 | (468.15) | |
| | W-2 | | -5 | 4.50 | 0.75 | 3.50 | (59.06) | |
| | W-3 | | -2 | 2.33 | 0.75 | 6.33 | (22.12) | |
| | V-1 | | -4 | 4.50 | 0.75 | 2.00 | (27.00) | |
| | | | | | **Add 5%** | **Total:** | **1,754.14** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Lounge | | 1 | 30.33 | 15.00 | 0.33 | 150.13 | |
| | Lounge | | 1 | 9.75 | 10.50 | 0.33 | 33.78 | |
| | Bed | | 1 | 20.00 | 20.00 | 0.33 | 132.00 | |
| | Bath | | 2 | 11.00 | 15.00 | 0.33 | 108.90 | |
| | Duck Area | | 1 | 1,112.00 | Area | 0.33 | 366.96 | |
| | | | | | **Add 5%** | **Total:** | **831.37** | **Cft** |
| 15 | **Shisham wood block flooring** | | | | | | | |
| | Duck Area | | 1 | 1,112.00 | Area | | 1,112.00 | |
| | | | | | **Add 5%** | **Total:** | **1,167.60** | **Sft** |
| 16 | **Porcelain glazed tiles 24"X24"** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Lounge | | 1 | 30.33 | 15.00 | | 454.95 | |
| | Lounge | | 1 | 9.75 | 10.50 | | 102.38 | |
| | Bed | | 2 | 20.00 | 20.00 | | 800.00 | |
| | Bath | | 2 | 11.00 | 15.00 | | 330.00 | |
| | | | | | **Add 5%** | **Total** | **1,771.69** | Sft |
| 17 | **Wall skirting** | | | | | | | |
| | Lounge | | 2 | 30.33 | | 0.50 | 30.33 | |
| | Lounge | | 2 | 15.00 | | 0.50 | 15.00 | |
| | Lounge | | 2 | 10.50 | | 0.50 | 10.50 | |
| | Bed | | 4 | 20.00 | | 0.50 | 40.00 | |
| | Bed | | 4 | 20.00 | | 0.50 | 40.00 | |
| | Bath | | 4 | 11.00 | | 7.00 | 308.00 | |
| | Bath | | 4 | 15.00 | | 7.00 | 420.00 | |
| | | | | | **Add 5%** | **Total** | **907.02** | Sft |
| 18 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | Risers | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | W-1 | | 13 | 4.50 | 1.00 | | 58.50 | |
| | W-2 | | 5 | 4.50 | 1.00 | | 22.50 | |
| | W-3 | | 2 | 2.33 | 1.00 | | 4.66 | |
| | V-1 | | 4 | 4.50 | 1.00 | | 18.00 | |
| | | | | | **Add 5%** | **Total** | **152.94** | Sft |
| 19 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Lounge | | 2 | 30.33 | | 11.50 | 697.59 | |
| | Lounge | | 2 | 15.00 | | 11.50 | 345.00 | |
| | Lounge | | 2 | 10.50 | | 11.50 | 241.50 | |
| | Bed | | 4 | 20.00 | | 11.50 | 920.00 | |
| | Bed | | 4 | 20.00 | | 11.50 | 920.00 | |
| | Bath | | 4 | 11.00 | | 11.50 | 506.00 | |
| | Bath | | 4 | 15.00 | | 11.50 | 690.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 5.00 | | 7.00 | (35.00) | |
| | D-2 | | -2 | 4.00 | | 7.00 | (56.00) | |
| | D-3 | | -2 | 3.00 | | 7.00 | (42.00) | |
| | W-1 | | -13 | 4.50 | | 10.67 | (624.20) | |
| | W-2 | | -5 | 4.50 | | 3.50 | (78.75) | |
| | W-3 | | -2 | 2.33 | | 6.33 | (29.50) | |
| | V-1 | | -4 | 4.50 | | 2.00 | (36.00) | |
| | | | | | **Add 5%** | **Total** | **3,589.58** | Sft |
| 20 | **External Wall Plaster** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 1 | 266.00 | | 12.50 | 3,325.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 5.00 | | 7.00 | (35.00) | |
| | W-1 | | -13 | 4.50 | | 10.67 | (624.20) | |
| | W-2 | | -5 | 4.50 | | 3.50 | (78.75) | |
| | W-3 | | -2 | 2.33 | | 6.33 | (29.50) | |
| | V-1 | | -4 | 4.50 | | 2.00 | (36.00) | |
| | | | | | **Add 5%** | **Total** | **2,647.64** | Sft |
| 21 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 3,589.58 | |
| | | | | | **Add 5%** | **Total** | **3,769.06** | Sft |
| 21a | **Wooden Cladding Sheet** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 2 | 3 | 24.50 | 2.00 | 0.042 | 12.35 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 2 | 2 | 15.50 | 2.00 | 0.042 | 5.21 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 34.75 | 2.00 | 0.042 | 5.84 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 14.00 | 2.00 | 0.042 | 2.35 | |
| | Center Box 4"x4"x1/2" | 2 | 3 | 42.00 | 1.32 | 0.042 | 13.97 | |
| | Center Box 4"x4"x1/2" | 2 | 2 | 14.00 | 1.32 | 0.042 | 3.10 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 47.00 | 1.32 | 0.042 | 5.21 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 6.00 | 1.32 | 0.042 | 0.67 | |
| | Columns Box 9"x9"x1/2" | 1 | 22 | 11.00 | 3.00 | 0.042 | 30.49 | |
| | Sheet Area | 1 | 2 | 29.50 | 19.00 | 0.042 | 47.08 | |
| | Sheet Area | 2 | 2 | 24.50 | 14.00 | 0.042 | 57.62 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Sheet Area | 2 | 2 | 19.50 | 9.75 | 0.042 | 31.94 | |
| | | | | | **Add 5%** | **Total:** | **226.63** | **Cft** |
| 21b | **French polishing** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 2 | 3 | 24.50 | 2.00 | | 294.00 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 2 | 2 | 15.50 | 2.00 | | 124.00 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 34.75 | 2.00 | | 139.00 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 14.00 | 2.00 | | 56.00 | |
| | Center Box 4"x4"x1/2" | 2 | 3 | 42.00 | 1.32 | | 332.64 | |
| | Center Box 4"x4"x1/2" | 2 | 2 | 14.00 | 1.32 | | 73.92 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 47.00 | 1.32 | | 124.08 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 6.00 | 1.32 | | 15.84 | |
| | Columns Box 9"x9"x1/2" | 1 | 22 | 11.00 | 3.00 | | 726.00 | |
| | Sheet Area | 1 | 2 | 29.50 | 19.00 | | 1,121.00 | |
| | Sheet Area | 2 | 2 | 24.50 | 14.00 | | 1,372.00 | |
| | Sheet Area | 2 | 2 | 19.50 | 9.75 | | 760.50 | |
| | | | | | **Add 5%** | **Total:** | **5,395.93** | **Sft** |
| 22 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 1 | 5.00 | | 7.00 | 35.00 | |
| | D-2 | | 2 | 4.00 | | 7.00 | 56.00 | |
| | | | | | **Add 5%** | **Total** | **95.55** | Cft |
| 23 | **MS/ GI Chowkat singel/double** | | | | | | | |
| | Qty as per Door | | 1 | 95.55 | | | 95.55 | |
| | | | | | **Add 5%** | **Total** | **100.33** | Sft |
| 24 | **Door Stops** | | | | | | | |
| | Door | | 3 | 1.00 | | | 3.00 | |
| | | | | | | **Total** | **3.00** | Each |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 25 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | Door | | 3 | 1.00 | | | 3.00 | |
| | | | | | | **Total** | **3.00** | Each |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 2,647.64 | |
| | | | | | **Add 5%** | **Total** | **2,780.02** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 13 | 4.50 | | 10.67 | 624.20 | |
| | W-2 | | 5 | 4.50 | | 3.50 | 78.75 | |
| | W-3 | | 2 | 2.33 | | 6.33 | 29.50 | |
| | V-1 | | 4 | 4.50 | | 2.00 | 36.00 | |
| | | | | | **Add 5%** | **Total** | **806.86** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 806.86 | 50% | | 403.43 | |
| | | | | | **Add 5%** | **Total** | **423.60** | Sft |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 806.86 | | | 806.86 | |
| | | | | | **Add 5%** | **Total** | **847.21** | Sft |
| 30 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | 1 | 2 | 29.50 | 19.00 | | 1,121.00 | |
| | Sheet Area | 2 | 2 | 24.50 | 14.00 | | 686.00 | |
| | Sheet Area | 2 | 2 | 19.50 | 9.75 | | 380.25 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | Add 5% | Total | 2,296.61 | Sft |
| 31 | **Fabrication of heavy steel work** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 2 | 3 | 24.50 | 2.00 | 0.042 | 12.35 | Cft |
| | Bottom TR-1 Box 6"x6"x1/2" | 2 | 2 | 15.50 | 2.00 | 0.042 | 5.21 | Cft |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 34.75 | 2.00 | 0.042 | 5.84 | Cft |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 14.00 | 2.00 | 0.042 | 2.35 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 6 | 14.50 | 2.00 | 0.042 | 14.62 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | 0.042 | 6.55 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 1 | 4 | 20.50 | 2.00 | 0.042 | 6.89 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 1 | 4 | 8.75 | 2.00 | 0.042 | 2.94 | Cft |
| | Top Purlin 3"x6"x1/4" | 2 | 10 | 24.50 | 1.00 | 0.021 | 10.29 | Cft |
| | Top Purlin 3"x6"x1/4" | 2 | 6 | 19.25 | 1.00 | 0.021 | 4.85 | Cft |
| | Top Purlin 3"x6"x1/4" | 1 | 10 | 15.50 | 1.00 | 0.021 | 3.26 | Cft |
| | Top Purlin 3"x6"x1/4" | 1 | 2 | 29.50 | 1.00 | 0.021 | 1.24 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 10 | 24.50 | 0.25 | 0.021 | 2.57 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 6 | 19.25 | 0.25 | 0.021 | 1.21 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 1 | 10 | 15.50 | 0.25 | 0.021 | 0.81 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 1 | 2 | 29.50 | 0.25 | 0.021 | 0.31 | Cft |
| | Center Box 4"x4"x1/2" | 2 | 3 | 42.00 | 1.32 | 0.042 | 13.97 | Cft |
| | Center Box 4"x4"x1/2" | 2 | 2 | 14.00 | 1.32 | 0.042 | 3.10 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 2 | 47.00 | 1.32 | 0.042 | 5.21 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 2 | 6.00 | 1.32 | 0.042 | 0.67 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 22 | 11.00 | 3.00 | 0.042 | 30.49 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 22 | 1.25 | 1.25 | 0.042 | 1.44 | Cft |
| | J Bolts 3/4" dia | 4 | 22 | 0.0031 | Area | 2.00 | 0.54 | Cft |
| | | | | | Add 5% | Total | 143.55 | Cft |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | **143.55** | Lbs Per cft | **490.00** | **70,339.02** | Lbs |
| | | | | | | **Total** | **31,914.25** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **35,105.68** | Kg |
| 32 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 2,296.61 | | | 4,593.23 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 2296.61 | |
| | | | | | | **Total** | **6,889.84** | Sft |
| 33 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Section A-A | | 1 | 290.00 | 3.50 | | 1,015.00 | |
| | Section C-C | | 1 | 110.00 | 3.00 | | 330.00 | |
| | **sides** | | | | | | | |
| | Section A-A | | 2 | 290.00 | 2.50 | 3.25 | 4,712.50 | |
| | Section C-C | | 2 | 110.00 | 6.50 | 3.25 | 4,647.50 | |
| | **Under Floor** | | | | | | | |
| | Lounge | | 1 | 30.33 | 15.00 | | 454.95 | |
| | Lounge | | 1 | 9.75 | 10.50 | | 102.38 | |
| | Bed | | 2 | 20.00 | 20.00 | | 800.00 | |
| | Bath | | 2 | 11.00 | 15.00 | | 330.00 | |
| | Duck Area | | 1 | 1,112.00 | Area | | 1,112.00 | |
| | | | | | | **Total:** | **13,504.33** | **Sft** |
| | | | | | | | | |
| NS-1 | **Artifical Cladding** | | | | | | | |
| | | | 1 | 266.00 | | 14.00 | 3,724.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 5.00 | | 7.00 | (35.00) | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-1 | | -13 | 4.50 | | 10.67 | (624.20) | |
| | W-2 | | -5 | 4.50 | | 3.50 | (78.75) | |
| | W-3 | | -2 | 2.33 | | 6.33 | (29.50) | |
| | V-1 | | -4 | 4.50 | | 2.00 | (36.00) | |
| | | | | | | **Total:** | **2,920.56** | **Sft** |
| NS-2 | **Wood Plastic Composite (WPC)** | | | | | | | |
| | D-3 | | 2 | 2.50 | | 7.00 | 35.00 | |
| | | | | | | **Total:** | **35.00** | **Sft** |
| NS-3 | **WPC architrave 3"** | | | | | | | |
| | D-3 | | 4 | 2.50 | | 7.00 | 70.00 | |
| | | | | | | **Total:** | **70.00** | **Sft** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Car Parking for Evs near Eco Tourism Club

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 2,700,000 | |
| | **Grand.Total** | **2,700,000** | **2,700,000** |

**ROUGH COST ESTIMATE**

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Construction And Development of Security Watch Tower

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 20,000,000 | |
| | **Grand.Total** | **20,000,000** | **20,000,000** |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Construction & Development of the Glamping Pods Double Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 25,000,000 | |
| | **Net Total** | **25,000,000** | **25,000,000** |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 18,210.15 | 15.84 | 288,449 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 9,105.08 | 7.54 | 68,652 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 12,341.70 | 16.02 | 197,714 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 389.42 | 375.16 | 146,094 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 678.79 | 124.41 | 84,449 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 349.68 | 497.23 | 173,872 |
| | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | | 100.03 | - |
| | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | | 41.07 | - |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 816.70 | 694.70 | 567,364 |
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 547.99 | 841.70 | 461,239 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 4,733.08 | 303.10 | 1,434,595 |
| | **8. STONE MASONARY** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 359.79 | 370.56 | 133,323 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Ground Floor | P.Cft | 358.02 | 392.61 | 140,561 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 678.79 | 41.07 | 27,878 |
| 13 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 1,563.45 | 450.10 | 703,709 |
| 14 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 1,135.47 | 451.50 | 512,665 |
| 15 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | | | | |
| | | | P.Sft | 493.50 | 2,511.80 | 1,239,573 |
| | **11. SURFACE RENDERING** | | | | | |
| 16 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick **(Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,936.85 | 46.18 | 135,624 |
| 17 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,709.40 | 62.00 | 105,983 |
| 18 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 3,083.69 | 3.93 | 12,119 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 3,083.69 | 8.76 | 27,013 |
| | | ii) two coats | P.Sft | 3,083.69 | 12.12 | 37,374 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 19 | 11/41 | Providing and fixing 3/4"(19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. | | | | |
| | | | P.Cft | 932.40 | 320.05 | 298,415 |
| | **12. WOOD WORK** | | | | | |
| 20 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 117.60 | 950.00 | 111,720.00 |
| 21 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 117.60 | 756.75 | 88,993.80 |
| 22 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 4.00 | 178.30 | 713.20 |
| 23 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 4.00 | 4,400.25 | 17,601.00 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 24 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,794.87 | 47.26 | 84,826 |
| | | **ii) 2nd coat** | P.Sft | 1,794.87 | 26.52 | 47,600 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **26. MISCELLANEOUS** | | | | | |
| 25 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 6,392.50 | 12.55 | 80,226 |
| | | **Total Cost for Each** | | | | **7,228,345** |
| | | **Total Cost for 2 Nos.** | | | | **14,456,689** |
| | | **Non Schedule Item** | | | | **10,543,311** |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **25,000,000** |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | | 2 | 8.50 | 12.50 | 6.00 | 1,275.00 | |
| | Footing Wall A | | 1 | 234.25 | 8.00 | 6.00 | 11,244.00 | |
| | Footing Wall B | | 2 | 42.00 | 8.00 | 6.00 | 4,032.00 | |
| | Footing Wall C | | 2 | 8.25 | 8.00 | 6.00 | 792.00 | |
| | | | | | **Add 5%** | **Total:** | **18,210.15** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 18210.15 | | | **9105.08** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | 6.00 | 6120.00 | |
| | Bath | | 2 | 62.00 | Area | 6.00 | 744.00 | |
| | Kitchen | | 1 | 345.00 | Area | 6.00 | 2070.00 | |
| | Duck Area | | 2 | 235.00 | Area | 6.00 | 2820.00 | |
| | | | | | **Add 5%** | **Total:** | **12,341.70** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | | 2 | 8.50 | 8.50 | 0.25 | 36.13 | |
| | Footing Wall A | | 1 | 234.25 | 4.00 | 0.25 | 234.25 | |
| | Footing Wall B | | 2 | 42.00 | 4.00 | 0.25 | 84.00 | |
| | Footing Wall C | | 2 | 8.25 | 4.00 | 0.25 | 16.50 | |
| | | | | | **Add 5%** | **Total:** | **389.42** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ecologies Double Bed | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | 0.33 | 336.60 | |
| | Bath | | 2 | 62.00 | Area | 0.33 | 40.92 | |
| | Kitchen | | 1 | 345.00 | Area | 0.33 | 113.85 | |
| | Duck Area | | 2 | 235.00 | Area | 0.33 | 155.10 | |
| | | | | | **Add 5%** | **Total:** | **678.79** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | 0.17 | 173.40 | |
| | Bath | | 2 | 62.00 | Area | 0.17 | 21.08 | |
| | Kitchen | | 1 | 345.00 | Area | 0.17 | 58.65 | |
| | Duck Area | | 2 | 235.00 | Area | 0.17 | 79.90 | |
| | | | | | **Add 5%** | **Total:** | **349.68** | Cft |
| 1 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | 65% | 2 | 8.50 | 12.50 | 2.00 | 276.25 | |
| | Footing Wall A | 65% | 1 | 234.25 | 8.00 | 2.00 | 2,436.20 | |
| | Footing Wall B | 65% | 2 | 42.00 | 8.00 | 2.00 | 873.60 | |
| | Footing Wall C | 65% | 2 | 8.25 | 8.00 | 2.00 | 171.60 | |
| | | | | | **Add 5%** | **Total:** | **3,945.53** | Cft |
| 1 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **Footing** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | 35% | 2 | 8.50 | 12.50 | 2.00 | 148.75 | |
| | Footing Wall A | 35% | 1 | 234.25 | 8.00 | 2.00 | 1,311.80 | |
| | Footing Wall B | 35% | 2 | 42.00 | 8.00 | 2.00 | 470.40 | |
| | Footing Wall C | 35% | 2 | 8.25 | 8.00 | 2.00 | 92.40 | |
| | | | | | **Add 5%** | **Total:** | **2,124.52** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | | 2 | 8.00 | 8.00 | 1.50 | 192.00 | |
| | Footing Wall A | | 1 | 234.25 | 3.50 | 0.50 | 409.94 | |
| | Footing Wall B | | 2 | 42.00 | 3.50 | 0.50 | 147.00 | |
| | Footing Wall C | | 2 | 8.25 | 3.50 | 0.50 | 28.88 | |
| | | | | | **Add 5%** | **Total:** | **816.70** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 234.25 | 0.75 | 0.75 | 131.77 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 234.25 | 0.75 | 0.75 | 131.77 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 234.25 | 0.75 | 0.75 | 131.77 | |
| iv | **Plinth Columns** | | | | | | | |
| | C-1 | | 8 | 0.75 | 0.75 | 22.75 | 102.38 | |
| | P-1 | | 2 | 1.25 | 1.25 | 7.75 | 24.22 | |
| | | | | | **Add 5%** | **Total** | **547.99** | Cft |
| 9 | **Reinforcement** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | RCC Footing | | 1 | 816.70 | 2.50 | Per Cft | 2,041.76 | |
| | Superstructural | | 1 | 547.99 | 4.50 | Per Cft | 2,465.93 | |
| | | | | | **Add 5%** | **Total** | **4,733.08** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 234.25 | 1.88 | 0.50 | 219.61 | |
| | Footing Wall B | | 1 | 42.00 | 1.50 | 0.50 | 31.50 | |
| | Footing Wall C | | 1 | 8.25 | 1.13 | 0.50 | 4.64 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 234.25 | 1.50 | 0.50 | 175.69 | |
| | Footing Wall B | | 1 | 42.00 | 1.13 | 8.75 | 413.44 | |
| | Footing Wall C | | 1 | 8.25 | 0.75 | 8.75 | 54.14 | |
| | **3rd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 234.25 | 1.13 | 0.50 | 131.77 | |
| | **4th Steps** | | | | | | | |
| | Footing Wall A | | 1 | 234.25 | 0.75 | 7.00 | 1,229.81 | |
| | Entrance Steps | | | | | | | |
| | Ist Steps | | 2 | 6.00 | 5.00 | 0.50 | 6.00 | |
| | 2nd Steps | | 2 | 6.00 | 4.00 | 0.50 | 6.00 | |
| | 3rd Steps | | 2 | 6.00 | 3.00 | 0.50 | 6.00 | |
| | 4th Steps | | 2 | 6.00 | 2.00 | 0.50 | 6.00 | |
| | 4th Steps | | 2 | 6.00 | 1.00 | 0.50 | 6.00 | |
| | | | | | **Add 5%** | **Total:** | **2,405.12** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | Avg | | |
| | Footing Wall A | | 1 | 234.25 | 0.75 | 11.00 | 1,932.56 | |
| | Bath | | 2 | 15.00 | 0.75 | 11.00 | 247.50 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Kitchen | | 2 | 22.25 | 0.75 | 11.00 | 367.13 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.00 | 0.75 | 7.00 | (52.50) | |
| | D-2 | | -2 | 3.00 | 0.75 | 7.00 | (31.50) | |
| | D-3 | | -2 | 2.50 | 0.75 | 7.00 | (26.25) | |
| | V-1 | | -2 | 3.00 | 0.75 | 2.00 | (9.00) | |
| | Glass | | -2 | 35.00 | 0.75 | 9.00 | (472.50) | |
| | | | | | **Add 5%** | **Total:** | **2,053.21** | Cft |
| 12 | **Sand filling** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | 0.33 | 336.60 | |
| | Bath | | 2 | 62.00 | Area | 0.33 | 40.92 | |
| | Kitchen | | 1 | 345.00 | Area | 0.33 | 113.85 | |
| | Duck Area | | 2 | 235.00 | Area | 0.33 | 155.10 | |
| | | | | | **Add 5%** | **Total:** | **678.79** | **Cft** |
| 13 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | | 1020.00 | |
| | Bath | | 2 | 62.00 | Area | | 124.00 | |
| | Kitchen | | 1 | 345.00 | Area | | 345.00 | |
| | | | | | **Add 5%** | **Total** | **1,563.45** | Sft |
| 14 | **Wall skirting** | | | | | | | |
| | Glamping Pod | | 2 | 90.00 | | 0.33 | 59.40 | |
| | Bath | | 2 | 33.00 | | 7.00 | 462.00 | |
| | Kitchen | | 1 | 80.00 | | 7.00 | 560.00 | |
| | | | | | **Add 5%** | **Total** | **1,135.47** | Sft |
| 15 | **Wooden Flooring** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Deck Area | | 2 | 235.00 | Area | | 470.00 | |
| | | | | | **Add 5%** | **Total** | **493.50** | Sft |
| 16 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Glamping Pod | | 2 | 90.00 | | 11.00 | 1980.00 | |
| | Bath | | 2 | 33.00 | | 11.00 | 726.00 | |
| | Kitchen | | 1 | 80.00 | | 11.00 | 880.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.00 | | 7.00 | -70.00 | |
| | D-2 | | -2 | 3.00 | | 7.00 | -42.00 | |
| | D-2 | | -2 | 2.50 | | 7.00 | -35.00 | |
| | V-1 | | -2 | 3.00 | | 2.00 | -12.00 | |
| | Glass | | -2 | 35.00 | | 9.00 | -630.00 | |
| | | | | | **Add 5%** | **Total** | **2,936.85** | Sft |
| 17 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | | | 1 | 195.00 | Rft | 12.00 | 2,340.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -2 | 5.00 | | 7.00 | (70.00) | |
| | V-1 | | -2 | 3.00 | | 2.00 | -12.00 | |
| | Glass | | -2 | 35.00 | | 9.00 | -630.00 | |
| | | | | | **Add 5%** | **Total** | **1,709.40** | Sft |
| 18 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 2,936.85 | |
| | | | | | **Add 5%** | **Total** | **3,083.69** | Sft |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 19 | **Sand Stone clading** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Deck Area tow Wall | | 2 | 111.00 | | 4.00 | 888.00 | |
| | | | | | **Add 5%** | **Total** | **932.40** | Sft |
| 20 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.00 | | 7.00 | 70.00 | |
| | D-2 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | **Add 5%** | **Total** | **117.60** | Cft |
| 21 | **MS/ GI Chowkat singel/double** | | | | | | | |
| | D-1 | | 2 | 5.00 | | 7.00 | 70.00 | |
| | D-2 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | **Add 5%** | **Total** | **117.60** | Sft |
| 22 | **Door Stops** | | | | | | | |
| | Door | | 4 | 1.00 | | | 4.00 | |
| | | | | | | **Total** | **4.00** | Each |
| 23 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | Door | | 4 | 1.00 | | | 4.00 | |
| | | | | | | **Total** | **4.00** | Each |
| 24 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 1,709.40 | |
| | | | | | **Add 5%** | **Total** | **1,794.87** | Sft |
| 25 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | | 2 | 8.50 | 8.50 | | 144.50 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall A | | 1 | 234.25 | 4.00 | | 937.00 | |
| | Footing Wall B | | 2 | 42.00 | 4.00 | | 336.00 | |
| | Footing Wall C | | 2 | 8.25 | 4.00 | | 66.00 | |
| | **sides** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | | 8 | 8.50 | | 4.00 | 272.00 | |
| | Footing Wall A | | 2 | 234.25 | | 4.00 | 1,874.00 | |
| | Footing Wall B | | 4 | 42.00 | | 4.00 | 672.00 | |
| | Footing Wall C | | 4 | 8.25 | | 4.00 | 132.00 | |
| | **Under Floor** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | | 1,020.00 | |
| | Bath | | 2 | 62.00 | Area | | 124.00 | |
| | Kitchen | | 1 | 345.00 | Area | | 345.00 | |
| | Duck Area | | 2 | 235.00 | Area | | 470.00 | |
| | | | | | | **Total:** | **6,392.50** | **Sft** |
| NS-1 | **Wood Plastic Composite (WPC)** | | | | | | | |
| | Door | | 2 | 2.50 | | 7.00 | 35.00 | |
| | | | | | | **Total:** | **35.00** | **Sft** |
| NS-2 | **WPC architrave 3"** | | | | | | | |
| | Door | | 4 | 2.50 | | 7.00 | 70.00 | |
| | | | | | | **Total:** | **70.00** | **Sft** |

**DESCRIPTION OF ITEM NO NS-3** Fully furnished, equipped, geodesic dome A-Frame glamp (double bed)

| Detail | | | Unit Rate (British System) per Each | | | |
|---|---|---|---|---|---|---|
| | | | Qty | Rate Per Unit (Rs.) | | Amount (Rs.) |
| **Material** | | | | | | |
| Fully furnished, equipped, geodesic dome | | | 1.00 | 6,600,000 | Rs. | 6,600,000.00 |
| A-Frame glamp (double bed) | | | 1.00 | 14,100,000 | Rs. | 14,100,000.00 |
| Total | | | | | | **20,700,000.00** |
| Carriage | 1 | Percent | | | | 207,000.00 |
| GST | 18 | Percent | | | | 3,726,000.00 |
| Total | | | | | | **24,633,000.00** |
| Contractor's Profit | 20 | Percent | | | | 4,926,600.00 |
| Total | | | | | | **29,559,600.00** |
| **Item Rates** | | | | | | |
| Composite Rate | Per Each | | Rs. | 29559600.00 | Say | **29,559,600.00** |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Construction & Development of the Glamping Pods Single Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 25,000,000 | |
| | **Net Total** | **25,000,000** | **25,000,000** |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 9,791.78 | 15.84 | 155,102 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 4,895.89 | 7.54 | 36,915 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 7,238.70 | 16.02 | 115,964 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 209.02 | 375.16 | 78,414 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 398.13 | 124.41 | 49,531 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 205.10 | 497.23 | 101,980 |
| 7 | 18/3aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 2,121.55 | 100.03 | 212,218.77 |
| 8 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,142.37 | 41.07 | 46,917.29 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 9 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 433.39 | 694.70 | 301,074 |
| 10 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 279.53 | 841.70 | 235,280 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 2,458.42 | 303.10 | 745,147 |
| | **8. BRICK MASONARY** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 359.79 | 370.56 | 133,323 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Ground Floor | P.Cft | 358.02 | 392.61 | 140,561 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 398.13 | 41.07 | 16,351 |
| 15 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 833.70 | 450.10 | 375,248 |
| 16 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 276.78 | 451.50 | 124,966 |
| 17 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | | | | |
| | | | P.Sft | 372.75 | 2,511.82 | 936,281 |
| | **11. SURFACE RENDERING** | | | | | |
| 18 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,032.68 | 46.18 | 47,689 |
| 19 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 807.45 | 62.00 | 50,062 |
| 20 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 1,084.31 | 3.93 | 4,261 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 1,084.31 | 8.76 | 9,499 |
| | | ii) two coats | P.Sft | 1,084.31 | 12.12 | 13,142 |

**ZONE 2 -CORPORATE BOARD ROOMS FOR MEETINGS**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 21 | 11/41 | Providing and fixing 3/4"(19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. | | | | |
| | | | P.Cft | 399.00 | 320.05 | 127,700 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 22 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 847.82 | 47.26 | 40,068 |
| | | **ii) 2nd coat** | P.Sft | 847.82 | 26.52 | 22,484 |
| | **26. MISCELLANEOUS** | | | | | |
| 23 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,529.25 | 12.55 | 44,292 |
| | | **Total Cost for Each** | | | | **4,164,472** |
| | | **Total Cost for 3 Nos.** | | | | **12,493,416** |
| | | **Non Schedule Item** | | | | **12,506,584** |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **25,000,000** |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 1 | 8.50 | 12.50 | 6.00 | 637.50 | |
| | Footing Wall A | | 1 | 120.25 | 8.00 | 6.00 | 5,772.00 | |
| | Footing Wall B | | 1 | 50.00 | 8.00 | 6.00 | 2,400.00 | |
| | Footing Wall C | | 1 | 10.75 | 8.00 | 6.00 | 516.00 | |
| | | | | | **Add 5%** | **Total:** | **9,791.78** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 9791.78 | | | **4895.89** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | 6.00 | 4392.00 | |
| | Bath | | 1 | 62.00 | Area | 6.00 | 372.00 | |
| | Duck Area | | 1 | 355.00 | Area | 6.00 | 2130.00 | |
| | | | | | **Add 5%** | **Total:** | **7,238.70** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 1 | 8.50 | 8.50 | 0.25 | 18.06 | |
| | Footing Wall A | | 1 | 120.25 | 4.00 | 0.25 | 120.25 | |
| | Footing Wall B | | 1 | 50.00 | 4.00 | 0.25 | 50.00 | |
| | Footing Wall C | | 1 | 10.75 | 4.00 | 0.25 | 10.75 | |
| | | | | | **Add 5%** | **Total:** | **209.02** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Glamping Pod | | 1 | 732.00 | Area | 0.33 | 241.56 | |
| | Bath | | 1 | 62.00 | Area | 0.33 | 20.46 | |
| | Duck Area | | 1 | 355.00 | Area | 0.33 | 117.15 | |
| | | | | | **Add 5%** | **Total:** | **398.13** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | 0.17 | 124.44 | |
| | Bath | | 1 | 62.00 | Area | 0.17 | 10.54 | |
| | Duck Area | | 1 | 355.00 | Area | 0.17 | 60.35 | |
| | | | | | **Add 5%** | **Total:** | **205.10** | Cft |
| 7 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | **Footing** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | 65% | 1 | 8.50 | 12.50 | 2.00 | 138.13 | |
| | Footing Wall A | 65% | 1 | 120.25 | 8.00 | 2.00 | 1,250.60 | |
| | Footing Wall B | 65% | 1 | 50.00 | 8.00 | 2.00 | 520.00 | |
| | Footing Wall C | 65% | 1 | 10.75 | 8.00 | 2.00 | 111.80 | |
| | | | | | **Add 5%** | **Total:** | **2,121.55** | Cft |
| 8 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | **Footing** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | 35% | 1 | 8.50 | 12.50 | 2.00 | 74.38 | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall A | 35% | 1 | 120.25 | 8.00 | 2.00 | 673.40 | |
| | Footing Wall B | 35% | 1 | 50.00 | 8.00 | 2.00 | 280.00 | |
| | Footing Wall C | 35% | 1 | 10.75 | 8.00 | 2.00 | 60.20 | |
| | | | | | **Add 5%** | **Total:** | **1,142.37** | Cft |
| 9 | **R.C.C. in Raft foundation** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 1 | 8.00 | 8.00 | 1.50 | 96.00 | |
| | Footing Wall A | | 1 | 120.25 | 3.50 | 0.50 | 210.44 | |
| | Footing Wall B | | 1 | 50.00 | 3.50 | 0.50 | 87.50 | |
| | Footing Wall C | | 1 | 10.75 | 3.50 | 0.50 | 18.81 | |
| | | | | | **Add 5%** | **Total:** | **433.39** | Cft |
| 10 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 120.25 | 0.75 | 0.75 | 67.64 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 120.25 | 0.75 | 0.75 | 67.64 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 120.25 | 0.75 | 0.75 | 67.64 | |
| iv | **Plinth Columns** | | | | | | | |
| | C-1 | | 4 | 0.75 | 0.75 | 22.75 | 51.19 | |
| | P-1 | | 1 | 1.25 | 1.25 | 7.75 | 12.11 | |
| | | | | | **Add 5%** | **Total** | **279.53** | Cft |
| 11 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 433.39 | 2.50 | Per Cft | 1,083.47 | |
| | Superstructural | | 1 | 279.53 | 4.50 | Per Cft | 1,257.88 | |
| | | | | | **Add 5%** | **Total** | **2,458.42** | Kg |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 120.25 | 1.88 | 0.50 | 112.73 | |
| | Footing Wall B | | 1 | 52.00 | 1.50 | 0.50 | 39.00 | |
| | Footing Wall C | | 1 | 15.00 | 1.13 | 0.50 | 8.44 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 120.25 | 1.50 | 0.50 | 90.19 | |
| | Footing Wall B | | 1 | 52.00 | 1.13 | 8.75 | 511.88 | |
| | Footing Wall C | | 1 | 15.00 | 0.75 | 8.75 | 98.44 | |
| | **3rd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 120.25 | 1.13 | 0.50 | 67.64 | |
| | **4th Steps** | | | | | | | |
| | Footing Wall A | | 1 | 120.25 | 0.75 | 7.00 | 631.31 | |
| | Entrance Steps | | | | | | | |
| | Ist Steps | | 1 | 6.00 | 5.00 | 0.50 | 3.00 | |
| | 2nd Steps | | 1 | 6.00 | 4.00 | 0.50 | 3.00 | |
| | 3rd Steps | | 1 | 6.00 | 3.00 | 0.50 | 3.00 | |
| | 4th Steps | | 1 | 6.00 | 2.00 | 0.50 | 3.00 | |
| | 4th Steps | | 1 | 6.00 | 1.00 | 0.50 | 3.00 | |
| | | | | | **Add 5%** | **Total:** | **1,653.36** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | Avg | | |
| | Footing Wall A | | 1 | 120.25 | 0.75 | 11.00 | 992.06 | |
| | Bath | | 1 | 15.00 | 0.75 | 11.00 | 123.75 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 5.00 | 0.75 | 7.00 | (26.25) | |
| | D-2 | | -1 | 2.50 | 0.75 | 7.00 | (13.13) | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | V-1 | | -1 | 3.00 | 0.75 | 2.00 | (4.50) | |
| | Glass | | -1 | 70.00 | 0.75 | 9.00 | (472.50) | |
| | | | | | **Add 5%** | **Total:** | **629.41** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | 0.33 | 241.56 | |
| | Bath | | 1 | 62.00 | Area | 0.33 | 20.46 | |
| | Duck Area | | 1 | 355.00 | Area | 0.33 | 117.15 | |
| | | | | | **Add 5%** | **Total:** | **398.13** | **Cft** |
| 15 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | | 732.00 | |
| | Bath | | 1 | 62.00 | Area | | 62.00 | |
| | | | | | **Add 5%** | **Total** | **833.70** | Sft |
| 16 | **Wall skirting** | | | | | | | |
| | Glamping Pod | | 1 | 120.00 | | 0.33 | 39.60 | |
| | Bath | | 1 | 32.00 | | 7.00 | 224.00 | |
| | | | | | **Add 5%** | **Total** | **276.78** | Sft |
| 17 | **Wooden Flooring** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Deck Area | | 1 | 355.00 | Area | | 355.00 | |
| | | | | | **Add 5%** | **Total** | **372.75** | Sft |
| 18 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Glamping Pod | | 1 | 120.00 | | 11.00 | 1320.00 | |
| | Bath | | 1 | 32.00 | | 11.00 | 352.00 | |
| | **Deduction** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | D-1 | | -1 | 5.00 | | 7.00 | -35.00 | |
| | D-2 | | -1 | 2.50 | | 7.00 | -17.50 | |
| | V-1 | | -1 | 3.00 | | 2.00 | -6.00 | |
| | Glass | | -1 | 70.00 | | 9.00 | -630.00 | |
| | | | | | **Add 5%** | **Total** | **1,032.68** | Sft |
| 19 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | | | 1 | 120.00 | Rft | 12.00 | 1,440.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 5.00 | | 7.00 | (35.00) | |
| | V-1 | | -1 | 3.00 | | 2.00 | -6.00 | |
| | Glass | | -1 | 70.00 | | 9.00 | -630.00 | |
| | | | | | **Add 5%** | **Total** | **807.45** | Sft |
| 20 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 1,032.68 | |
| | | | | | **Add 5%** | **Total** | **1,084.31** | Sft |
| 21 | **Sand Stone clading** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Deck Area tow Wall | | 1 | 95.00 | | 4.00 | 380.00 | |
| | | | | | **Add 5%** | **Total** | **399.00** | Sft |
| 22 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 807.45 | |
| | | | | | **Add 5%** | **Total** | **847.82** | Sft |
| 23 | **Termite proofing under foundations** | | | | | | | |

**MEASURMENT SHEETS**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **at beds** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 1 | 8.50 | 8.50 | | 72.25 | |
| | Footing Wall A | | 1 | 120.25 | 4.00 | | 481.00 | |
| | Footing Wall B | | 1 | 50.00 | 4.00 | | 200.00 | |
| | Footing Wall C | | 1 | 10.75 | 4.00 | | 43.00 | |
| | **sides** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 4 | 8.50 | | 4.00 | 136.00 | |
| | Footing Wall A | | 2 | 120.25 | | 4.00 | 962.00 | |
| | Footing Wall B | | 2 | 50.00 | | 4.00 | 400.00 | |
| | Footing Wall C | | 2 | 10.75 | | 4.00 | 86.00 | |
| | **Under Floor** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | | 732.00 | |
| | Bath | | 1 | 62.00 | Area | | 62.00 | |
| | Duck Area | | 1 | 355.00 | Area | | 355.00 | |
| | | | | | | **Total:** | **3,529.25** | **Sft** |

**DESCRIPTION OF ITEM NO NS-3** Fully furnished, equipped, geodesic dome A-Frame glamp (Single bed)

| Detail | | Unit Rate (British System) per Each | | | |
|---|---|---|---|---|---|
| | | Qty | Rate Per Unit (Rs.) | | Amount (Rs.) |
| **Material** | | | | | |
| Fully furnished, equipped, geodesic dome | | 1.00 | 3,300,000 | Rs. | 3,300,000.00 |
| A-Frame glamp (Single bed) | | 1.00 | 7,050,000 | Rs. | 7,050,000.00 |
| Total | | | | | **10,350,000.00** |
| Carriage | 1 Percent | | | | 103,500.00 |
| GST | 18 Percent | | | | 1,863,000.00 |
| Total | | | | | **12,316,500.00** |
| Contractor's Profit | 20 Percent | | | | 2,463,300.00 |
| Total | | | | | **14,779,800.00** |
| **Item Rates** | | | | | |
| | Composite Rate Per Each | Rs. | 14779800.00 | Say | **14,779,800.00** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Solar Facility

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 25,000,000 | |
| | **Grand.Total** | **25,000,000** | **25,000,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Admin Block for Eco-Lodges Zone

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 20,000,000 | |
| | **Grand.Total** | **20,000,000** | **20,000,000** |

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**ANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS**

**Boundary Fencing of Wildlife Park and Zones where Required**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Qasoor**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 23,790,000 | |
| | **Grand.Total** | **23,790,000** | **23,790,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

**Boundary Fencing of Wildlife Park and Zones where Required**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Qasoor**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | | | | | |
| 30 | Ch-26 i-49 | Providing and fixing hot dipped Galvanized Iron chainlink mesh/fence of 2"x2"mesh made of wire of specified guage,with the help of 1"x1/8" GI patti, GI.clamp sand screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through meshat top,middle and bottom, fixed on vertical posts of 2" diameter GI pipes(medium quality) erected @ 8ft C/Cduly embeded in PCC (1:2:4)etc.complete in all respect as approved and directed by the Engineer Incharge. | Sft | 47,343.28 | 502.5 | 23,790,000.21 |
| | | **Total** | | | | **23,790,000.21** |

| MEASURMENT SHEETS | | | | | | | |
|---|---|---|---|---|---|---|---|
| MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | | | | | | | |
| Boundary Fencing of Wildlife Park and Zones where Required | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| **Sr.No** | **DESCRIPTION** | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | **Length** | **Breadth** | **Height** | | |
| 30 | Providing and fixing hot dipped Galvanized Iron chainlink mesh/fence of 2"x2"mesh made of wire of specified guage,with the help of 1"x1/8" GI patti, GI.clamp sand screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through meshat top,middle and bottom, fixed on vertical posts of 2" diameter GI pipes(medium quality) erected @ 8ft C/Cduly embeded in PCC (1:2:4)etc.complete in all respect as approved and directed by the Engineer Incharge. | | | | | | |
| | **B.Fence** | | | | | | |
| | Parking Area | 1 | 1,500.00 | - | 8.00 | 12,000.00 | |
| | Zone 2 for Glamping & Ecologies Area | 1 | 4,417.91 | - | 8.00 | 35,343.28 | |
| | | | | | **Total:** | **47,343.28** | **Sft** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Complete Utilities Infrastructure Works WS/Sewerage

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 150,000,000 | |
| | **Grand.Total** | **150,000,000** | **150,000,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Complete Fire Fighting and Fire Protection Works

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 3,000,000 | |
| | **Grand.Total** | **3,000,000** | **3,000,000** |

## SUMMARY OF ELECTRIFICATION WORKS - MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr No. | Description | Schedule Items | Non-Schedule Items | Amount (Rs) |
|---|---|---|---|---|
| 1 | Overhead Electrification | - | 52,406,159 | 52,406,159 |
| 2 | Substation | 2,657,897 | 16,199,000 | 18,856,897 |
| 3 | External Electrification | 48,421,824 | 20,485,560 | 68,907,384 |
| 4 | Main Entrance Gate | 693,621 | 3,476,000 | 4,169,621 |
| 5 | Main Safari Zone Enterance Gate | 693,621 | 3,476,000 | 4,169,621 |
| 6 | Information Center | 1,856,198 | 13,885,000 | 15,741,198 |
| 7 | Tuck Shop | 133,718 | 128,000 | 261,718 |
| 8 | Toilet Block Qty: 03 No. | 2,115,186 | 4,025,400 | 6,140,586 |
| 9 | Jungle Safari Café | 1,226,305 | 1,748,000 | 2,974,305 |
| 10 | Resturant | 1,722,926 | 1,955,000 | 3,677,926 |
| 11 | Jeep Safari Parking | 495,296 | 278,800 | 774,096 |
| 12 | Eco Lodges - 1 BED Qty: 03 No | 2,484,746 | 6,685,800 | 9,170,546 |
| 13 | Eco Lodges - 2 BED Qty: 02 No | 2,319,522 | 6,434,800 | 8,754,322 |
| 14 | Glamping Pods - 1 BED Qty: 03 No | 2,101,713 | 7,785,600 | 9,887,313 |
| 15 | Glamping Pods - 2 BED Qty: 02 No | 2,201,343 | 8,400,800 | 10,602,143 |
| 16 | Tram Station Qty: 02 No | 1,468,917 | 230,000 | 1,698,917 |
| 17 | Admin Block | 1,459,714 | 11,612,600 | 13,072,314 |
| 18 | Research Center | 537,981 | 4,428,000 | 4,965,981 |
| 19 | Ampitheater | 1,226,305 | 674,000 | 1,900,305 |
| 20 | Craft Bazar Shops Qty: 09 No | 133,718 | 128,000 | 2,355,458 |
| 21 | Heritage Walk | 6,747,506 | 2,182,500 | 8,930,006 |
| 22 | Ticketing Counter Qty: 02 No | 86,914 | 82,500 | 338,827 |
| **TOTAL AMOUNT (Rs)** | | **80,784,972** | **166,707,519** | **249,755,645** |

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA

### *PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)*

| DESCRIPTION | UNIT | QTY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|
| CONDUCTOR (HT) DOG | MTR | 8,000 | 413 | 3,304,000 |
| PC POLE (HT) 45' | NO | 12 | 108,254 | 1,299,048 |
| STEEL CROSS ARM (WITH BRACES) | NO | 80 | 10,068 | 805,440 |
| 11KV DISC INSULATOR | NO | 80 | 4,019 | 321,520 |
| DEAD END CLAMP (DOG) | NO | 80 | 537 | 42,960 |
| ANCHOR SHAKLE | NO | 80 | 230 | 18,400 |
| DOUBLE ARMING BOLT | NO | 80 | 455 | 36,400 |
| EYE - NUT | NO | 80 | 173 | 13,840 |
| P.G CONNECTOR (DOG) | NO | 80 | 703 | 56,240 |
| 11KV PIN TYPE INSULATOR | NO | 300 | 1,177 | 353,100 |
| 11 KV INSULATOR PIN FOR STEEEL X ARM | NO | 300 | 997 | 299,100 |
| STRUT STAY | NO | 50 | 100 | 5,000 |
| STAY ROD | NO | 50 | 63 | 3,150 |
| STAY WIRE | KG | 300 | 358 | 107,400 |
| EARTH ROD | NO | 70 | 1,500 | 105,000 |
| EARTH WIRE | KG | 350 | 358 | 125,300 |
| NUT & BOLTS | L/S | 1 | 15,000 | 15,000 |
| **SUB TOTAL** | | | | **6,910,898** |
| **12% STORE CHARGES OF TOTAL COST OF MATERIAL** | | | | **829,308** |
| **SUB TOTAL WIITH 12% STORE CHARGES** | | | | **7,740,206** |
| **10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL** | | | | **774,021** |
| **GRAND TOTAL** | | | | **8,514,226** |
| **CIVIL WORK** | | | | |
| ERRECTION OF HT PC POLE (45') | JOB | 25 | 10,000 | 250,000 |
| ERRECTION OF STRUT STAY | JOB | 50 | 5,000 | 250,000 |
| FIXING OF STAY ROD HT | JOB | 50 | 800 | 40,000 |
| **TOTAL** | | | | **540,000** |

### *BOQ/COST ESTIMATE FOR 200 KVA DISTRIBUTION TRANSFORMER/ SUB STATION ON DOUBLE POLE (11KV FEEDER # 1)*

| DESCRIPTION | UNIT | QTY | RATE (Rs) | AMOUNT (RS) |
|---|---|---|---|---|
| TRANSFORMER 200 KVA | NO | 10 | 1,620,000 | 16,200,000 |
| LT PC POLE FOR T/F PLATEFORM | NO | 10 | 70,000 | 700,000 |
| STEEL CROSS ARM (WITH BRACES) | NO | 10 | 10,068 | 100,680 |
| PIN INSULATORS | NO | 30 | 1,177 | 35,310 |

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA

***PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)***

| | | | | |
|---|---|---|---|---|
| PIN FOR INSULATOR | NO | 30 | 997 | 29,910 |
| STEEL X-ARMS FOR D-FITTING | NO | 10 | 8,000 | 80,000 |
| DROP OUT CUT OUT | SET | 30 | 4,878 | 146,340 |
| TRANSFORMER PLATFORM (DOUBLE POLE) | NO | 10 | 30,240 | 302,400 |
| RABBIT CONDUCTOR FOR JUMPRING | MTR | 300 | 256 | 76,800 |
| D-SHACKLE | NO | 80 | 409 | 32,720 |
| SPOOL INSULATOR | NO | 80 | 318 | 25,440 |
| EARTH ROD | NO | 20 | 1,500 | 30,000 |
| EARTH WIRE | KG | 100 | 358 | 35,800 |
| NUT & BOLTS | L/S | 1 | 15,000 | 15,000 |
| **SUB TOTAL** | | | | **17,810,400** |
| **12% STORE CHARGES OF TOTAL COST OF MATERIAL** | | | | **2,137,248** |
| **SUB TOTAL WIITH 12% STORE CHARGES** | | | | **19,947,648** |
| **10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL** | | | | **1,994,765** |
| **GRAND TOTAL** | | | | **21,942,413** |
| **CIVIL WORK** | | | | |
| ERRECTION OF LT PC POLE | JOB | 25 | 12,000 | 300,000 |
| EARTHING OF LT PC POLES | JOB | 25 | 1,000 | 25,000 |
| EARTHING TRANSFORMERS | JOB | 50 | 1,000 | 50,000 |
| **TOTAL** | | | | **375,000** |

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA

***PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)***

***COST OF MATERIAL FOR LT LINE (Overhead)***

**(11KV FEEDER # 1)**

| DESCRIPTION | UNIT | QTY | RATE (RS) | AMOUNT (RS) |
|---|---|---|---|---|
| LT P.C POLES | NO | 50 | 8,000 | 400000 |
| D. SHAKLE | NO | 250 | 409 | 102250 |
| SPOOL INSULATOR | NO | 250 | 318 | 79500 |
| WASP CONDUCTOR | MTR | 1,000 | 374 | 374000 |
| WASP CONDUCTOR FOR JUMPRING | MTR | 800 | 374 | 299200 |
| L.C - 16 | NO | 500 | 145 | 72500 |
| EARTH ROD | NO | 60 | 1,500 | 90000 |
| EARTH WIRE | KG | 300 | 358 | 107400 |
| STAY ROD | NO | 150 | 63 | 9450 |
| STAY WIRE | KG | 400 | 358 | 143200 |
| NUTS & BOLTS | L/S | 8 | 15,000 | 120000 |
| **SUB TOTAL** | | | | **1,797,500** |
| **12% STORE CHARGES** | | | | **215,700** |
| **SUB TOTAL WIITH 12% STORE CHARGES** | | | | **2,013,200** |
| **10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL** | | | | **201,320** |
| **GRAND TOTAL** | | | | **2,214,520** |
| ERRECTION OF LT PC POLE | JOB | 40 | 4,000 | 160,000 |
| EARTHING OF LT PC POLES | JOB | 40 | 1,000 | 40,000 |
| FIXING OF STAY ROD LT | JOB | 150 | 800 | 120,000 |
| **TOTAL** | | | | **320,000** |
| **Price of Demand Notice Including Grid and Panel, Feeder Connectiona and WAPDA Charges** | | | | **18,500,000** |
| **GRAND TOTAL OF ALL ABOVE ITEMS** | | | | **52,406,159** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS FOR SUBSTATION** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 90 | 446 | 40,100 |
| **2** | | **Pvc Pipe** | | | | |
| | **CH-24/8/i** | Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials<br>50mm dia | Meter | 90 | 559 | 50,333 |
| **3** | | **HDPE Pipe** | | | | |
| | **CH-23/42/d/1** | Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/Popular/ IIL or approved equivalent manufacturer, including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects.<br>d) PN -12.5 (SDR-13.6)<br>1) 25mm | Meter | 100 | 140 | 14,045 |
| **4** | | **Single Core Cable** | | | | |
| | **CH-24-11-i, iii, iv & v** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):- | | | | |
| a | | 3/0.74 mm (3/0.029") | Meter | 150 | 120 | 17,978 |
| b | | 7/0.74 mm (7/0.029") | Meter | 55 | 173 | 9,429 |
| c | | 7/0.91 mm (7/0.036") | Meter | 65 | 240 | 15,574 |
| d | | 7/1.12 mm (7/0.044") | Meter | 95 | 333 | 31,668 |
| **5** | | **Three Core Cable** | | | | |
| | **CH-24/13-b-vi** | Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-<br>b)Three core, 600/1000 volt cable<br>7/1.63 mm (7/0.064") | Meter | 280 | 2,311 | 647,080 |
| **6** | | **Four Core Cable** | | | | |
| | **CH-24-13-d** | Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-<br>**ARMOURED CABLE** | | | | |
| b | **vi** | 35 mm sq (19/0.064) | Meter | 100 | 6,982 | 698,180 |
| c | **ix** | 95 mm sq | Meter | 35 | 15,000 | 525,000 |
| **7** | | **Switches** | | | | |
| | **CH-24/108-b** | P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmer made of Hi-Life / Bush / Schneider / Clipsal or approved equivalent manufacturer, screws complete as approved and directed by the Engineer charge. | | | | |
| | **i** | 4 GANG 1 WAY SWITCH/PLATE | Each | 4 | 971 | 3,885 |
| **8** | | **Switch Sockets** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/108-a-viii** | P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmer made of Hi-Life / Bush / Schneider / Clipsal or approved equivalent manufacturer, screws complete as approved and directed by the Engineer charge.<br>**3 pin Power Plug 16 Amp** | Each | 4 | 915 | 3,659 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Distribution Board (Light& Power)** | | | | |
| | CH-24-93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surfacemounted Type), Powder coated Paint, i/c thecost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).<br>(a) 6" deep<br>(i)20~60A | Cft | 2.51 | 24,467 | 61,411 |
| a | | **DB SS Size: 800 x 650 x 200 mm** | | | | |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-90-a-v | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A /SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | 32 TP MCCB 25KA | Each | 1 | 19,861 | 19,861 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-89-a-iii | Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | 16 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 10 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| 10 | | **FIRE ALARM SYSTEM** | | | | |
| a | | **FACP** | | | | |
| | CH-24/169-i | Supply, installation and commissioning of wired/wireless Addressable Micro processor based Fire Alarm Control Panel (FACP) capable of PC interface with window conforming to EN-54, consisting of specified loop circuits having 240 devices per loop, indicating circuits, built in power supply with back up batteries, alarm and trouble indication, silence alarm and reset system, general alarm and reset system, general alarm facility. Made of Eurotech Fire UK, Notifire USA, Bosch USA complete in all respect as approved and directed by Engineer Incharge.<br>**1 loop panel** | Each | 1 | 294,235 | 294,235 |
| b | | **MULTI DETECTOR** | | | | |
| | CH-24/168 | Supply, installation and connections of Addressable Multi Detectors incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit, adjustable via software between 0-90 seconds and have built in short circuit isolators on both inputs. inclulding cost of all other accessories or equivalent as approved and directed by the Engineer Incharge. | Each | 3 | 11,033 | 33,098 |
| c | | **MANUAL CALL POINT** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/164-i** | Supply, Installation and commissioining with Addressable Break Glass unit,(Manual Call Point) with key type EN-54 having a built in short circuit isolator and microprocessor to ensurea responsetime of max. 1 second,having an indication LED flash after pressing the button to acknowledge the activation and a key operation facility for testing purposes. made of Honeywell/ Bosch/ Eaton (UK) or as approved and directed by the Engineer Incharge. | Each | 1 | 18,587 | 18,587 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **d** | | **SOUNDER & FLASHER** | | | | |
| | **CH-24/165-ii** | Supply, installation and commissioning of Addressable Type Indoor Loop Powered electronic Sounder/Flasher/Bell EN-54 with minimum sound output 100dB at 1 meter with frequencies of variety of sounds as required and shall be loop wired and loop signaled, built in short circuit isolator, configured via software. made of Honeywell/ Bosch/ Eaton (UK), or equivalent as approved and directed by the Engineer Incharge.<br>**With Flasher** | Each | 1 | 25,923 | 25,923 |
| **e** | | **Fire Alarm Cable** | | | | |
| | **CH-24/163-i** | Supply, Installation and commissioning of wiring with specified FireResistant Shielded Cable (Fire Rating for 2 hours) of required size from respective DB to Fire Alarm FACP (Fire Alarm Controle Panel) in prelaid conduit/duct. MakePony / Belden/ Covican (Italy) or equilvent as approved and directed by the Engineer Incharge.<br>**i) 2C,1.5 mm sq** | Meter | 75 | 428 | 32,063 |
| **11** | **CH-24/105-b-i** | Providing and fixing Copper Winded **Exhaust Fan** with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Steel body). 12" dia | Each | 3 | 5,868 | 17,604 |
| **12** | | **Cable Tray** | | | | |
| | **CH-24-100-b** | Providing and fixing specified deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge.<br>i) 4" x 3" | Meter | 50 | 1,731 | 86,545 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **2,657,897** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **13** | | **WAPDA METERING PANEL** | | | | |
| | **NS** | Vacuum Circuit Breaker (VCB), HT 11 KV, WAPDA Metering Panel floor mounting, 400/630 A, rating 25 KA, 17.5 KV complete with selector switches, indicating lamps, spring Charging motor 220 V AC, 50ms DC closing coil 110 V DC, 50ms DC Trip Coil 110 V, CT, PT, Earth fault, over current, short circuit, current digital relay, frequency meter, amp meter, volt meter, capacitor trip unit, MCB 06 A, SP, charging handle, push button, mounted in sheet steel cubicle, factory assembled duly painted, single panel unit complete with energy meter, MDI & KVARH complete in all respect. | Each | 1 | 8,000,000 | 8,000,000 |
| **14** | | **Consumer Panel** | | | | |
| | **NS** | Vacuum Circuit Breaker (VCB), HT 11 KV, Consumer Protection Panel floor mounting, 400/630 A, rating 25 KA, 17.5 KV complete with selector switches, indicating lamps, spring Charging motor 220 V AC, 50ms DC closing coil 110 V DC, 50ms DC Trip Coil 110 V, CT, PT, Earth fault, over current, short circuit, current digital relay, frequency meter, amp meter, volt meter, capacitor trip unit, MCB 06 A, SP, charging handle, push button, mounted in sheet steel cubicle, factory assembled duly painted, single panel unit complete with energy meter, MDI & KVARH complete in all respect. | Each | 1 | 8,000,000 | 8,000,000 |
| **15** | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by Phillips, Thorn, NVC or equivalent | | | | |
| **a** | **NS** | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 10 | 8,400 | 84,000 |
| **b** | | Surface/Ceiling mounted combination exit light with red/green color non-maintained including 3 hours battery backup, injecton-molded thermoplastic ABS housing, AC Power: 7.5 W, Lead-acid battery(6V4.5AH), Lumens: > 8cd/m². Complete in all respects. | Each | 4 | 10,000 | 40,000 |
| **c** | | Surface mounted flood light 100W , IP-65 rating, Lumens rating 10,000, Voltage 220-240V, including SMD LED Chip, Wide lighting angle : 110 degree, Color rendering index <70, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 3 | 25,000 | 75,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **16,199,000** |
| **TOTAL COST** | | | | | | **18,856,897** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 1 | 24/14/a/iii | Twin core cable 7/0.74 mm (7/0.029") - 2.5mm² copper conductor, PVC insulated cable complete (excluding conduit), supply and fixing. | Meters | 1800 | 394 | 709,380 |
| 2a | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 32-100 Amp(36 KA), supply and fixing | Each | 25 | 24,361 | 609,026 |
| 2b | 24/90ai | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 25-100 Amp(25 KA), supply and fixing | Each | 25 | 19,861 | 496,526 |
| 2c | 24/90ax | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 630-1600 Amp(50 KA), supply and fixing | Each | 6 | 348,672 | 2,092,029 |
| 2d | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 125-400 Amp(25 KA), supply and fixing | | 4 | 56,461 | 225,845 |
| 3 | 24/13iv | Supply and erection of single core 16 mm sq (7/0.064") PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, laid in trenches complete with bricks, sand (excluding cost of excavation) supply and fixing. | Meters | 1800 | 764 | 1,374,930 |
| 4 | | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | 24/73/a/ii | Single Arm 10 M | Each | 130 | 134,229 | 17,449,796 |
| b | 24/73/a/iii | Double Arm 10 M | Each | 5 | 139,269 | 696,347 |
| 5 | MRS | Foundation for 10 meter Pole | Each | 235 | 49,148 | 11,549,814 |
| 6 | 24/74cviii | Supplying, installation and commissioning of LED Cobra-head Luminaries of 150 Watt with 18000 lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (NVC/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating devicei/c thecost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge. | Each | 140 | 86,589 | 12,122,516 |
| 7 | | **Rod Type Earthing** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-175** | Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing). | Job | 50 | 20,577 | 1,028,870 |
| **8** | | **3-Phase Meter** | | | | |
| | **CH-24-79-b-iii** | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3x80 Amp, 400 volts** | Each | 3 | 22,248 | 66,744 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **48,421,824** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Transformer Protection Box** | | | | |
| | NS | Supply, installation, testing and commissioning of wall mounted MCU of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Brass glands, Earth bar, Digital volt meter/Amp meter,Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)<br>IP-65 rating<br>Size: 1.5 ft x 1.5 ft | Each | 2 | 48,000 | 96,000 |
| 10 | | **LT Service Box** | | | | |
| | NS | Supply and installation of floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | Each | 3 | 275,000 | 825,000 |
| 11 | NS | Supply and erection of Single Core armoured XLPE insulated, PVC Sheathed Aluminum conductor cables 600/1000 volts, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- | | | | |
| a | | 1C x 16 mm² | Meters | 1000 | 494 | 493,920 |
| b | | 1C x 25 mm² | Meters | 1000 | 635 | 635,040 |
| c | | 1C x 35 mm² | Meters | 1000 | 706 | 705,600 |
| d | | 1C x 50 mm² | Meters | 1000 | 900 | 900,000 |
| e | | 1C x 70 mm² | Meters | 1000 | 1200 | 1,200,000 |
| f | | 1C x 95mm² | Meters | 3000 | 1500 | 4,500,000 |
| g | | 1C x 120 mm² | Meters | 1000 | 2000 | 2,000,000 |
| h | | 1C x 150mm² | Meters | 1000 | 2500 | 2,500,000 |
| 12 | NS | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | | 3 meter Pole for external light | Each | 100 | 35,000 | 3,500,000 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | NS | Upvc Class D with all fittings (i.e. sockets, bends, tees, elbows where required) and laid complete in trenches (excluding excavation) or fixed to wall, floor (surface or concealed) and ceiling etc., including caps and plugs as required 25mm dia, supply and fixing. | Meters | 200 | 650 | 130,000 |
| 14 | NS | Supply and installation of LED Post Top Light 60W, 8400 lumens, 120° beam angle, CRI >70, power factor: >0.9, 140lm/w, IP-66 rated. Complete in all respect. | Each | 100 | 30,000 | 3,000,000 |
| **NON- SCHEDULE ITEMS TOTAL COST** | | | | | | **20,485,560** |
| **TOTAL COST** | | | | | | **68,907,384** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 150 | 446 | 66,833 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | - |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | - |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| | | **Note: Following cables are for (P+N+CPE)** | | | | - |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 75 | 120 | 8,989 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 40 | 240 | 9,584 |
| | **v** | 7/0.044" (6mm²) | Meter | 35 | 333 | 11,667 |
| **4** | | **Three Core Cable** | | | | - |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| **a** | | 6mm2 | Meter | 50 | 984 | 49,208 |
| **5** | | **Switches** | | | | - |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | - |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 1 | 878 | 878 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 1 | 1,396 | 1,396 |
| **6** | | **Switch Sockets** | | | | - |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 4 | 745 | 2,978 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Distribution Board (Light& Power)** | | | | |
| | CH-24-93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 850 x 650 x 200mm | Cft | 2.51 | 24,467 | 61,411 |
| a | | **DB Entrance Gate & Guard Room** | | | | - |
| | | **MCCB Breakers (Incoming)** | | | | - |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 16 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| 8 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 2 | 84 | 169 |
| a | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 2 | 731 | 1,461 |
| b | | **Ceiling Fan** | | | | |
| | CH-24/107-iii | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 2 | 10,819 | 21,639 |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **9** | | **Network Video Recorder** | | | | - |
| **b** | **CH-24-123-i** | Supply & Installation of NVR (Network Videorecorder) for Real Time View of specified Channels, video and Audio channels, supported protocols: ONVIF, RTSP etc., Internal HDDs mount support: 4 or higher as per site requirement, Monitor outputs, (HDMI,4K Ultra HD), VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motorola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer In charge<br>**8-Channel** | Each | 1 | 99,264.90 | 99,265 |
| **10** | | **Hard Drive Disk** | | | | - |
| | **CH-24-124-ii** | Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer In charge.<br>**8TB** | Each | 1 | 48,826.20 | 48,826 |
| **11** | | **POE Switch** | | | | - |
| | **CH-24-118-i** | Supply, Installation and Connection of Specified Ports Layer-2 PoE (Power Over Ethernet) data Network Switch specified ports x100 Mbps PoE, Min.2x1Gbps SFP UPLINK ports, made of Cisco USA/NOVAS Europe/Juniper USA / Huawei / H3C, Pollo Australia or equivalent approved manufacturer and directed by the Engineer In charge.<br>8 port PoE | Each | 1 | 48,500 | 48,500 |
| **12** | | **Patch Cord** | | | | - |
| | **CH-24-114-ii** | Supply, Installation and commissioning of Cat-6, UTP Machine Made Patch Cord of Specified Length, Support 10 Giga, UL listed cable, with anti snag boots, Gold Over Nickel Plated, Manufacturer/OEM Authorization, confirming to manufacturer warranty, Made of R&M, Molex, 3M or equivalent Approved and Directed by Engineer Incharge.<br>**1- meter patch cord** | Each | 10 | 1,068 | 10,678 |
| **13** | | **CAT-6** | | | | - |
| | **CH-24-113-a-i** | Supply, Installation & Connecting of 4 pairs UTP cable CAT-6, make 3M/Clipsal or approved equivalent. **Note:-** 3 meter cable extra provide on Camera and cabinets side. | Meter | 80 | 160 | 12,816 |
| **14** | | **12U Cabinet size (600x550x635 mm)** | | | | - |
| | **CH-24-136-i** | Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP / Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge. | Each | 1 | 58,226 | 58,226 |
| **15** | | **Data Outlet** | | | | |
| | **CH-24-136-ii** | Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project<br>**Double I/O** | Each | 2 | 2,795 | 5,590 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **693,621** |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 16 | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | - |
| a | NS | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 8 | 2,000 | 16,000 |
| b | NS | Flood light 200W, IP rating 66, 120lm/W, lumens: 24000, power factor >0.9, CRI: >70, AC LED driver included, housing: die cast aluminum. Complete in all respect. | Each | 2 | 40,000 | 80,000 |
| 17 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 18 | NS | Analog Extension Interface with CLI. | Each | 2 | 15,000 | 30,000 |
| 19 | NS | Supply, Installation and Connection of 4 Ports Layer-2 data Network Switch specified ports x1000 Mbps PoE, Min.2x1Gbps SFP UPLINK ports, made of Ruijie, Cisco and Aruba UK. As per specifications complete in all respects. | Each | 1 | 40,000 | 40,000 |
| 20 | | **ANPR CAMERA** | | | | |
| | NS | Supply and installtion of ANPR Camera 8MP, Moto Varifocal Bullet Camera. Effieicient H.265+ compression technology. Make: Hikvision, Dahua or equivalent | Each | 2 | 525,000 | 1,050,000 |
| 21 | | **PARKING SYSTEM** | | | | |
| | | Supply, installation, testing and commissioning of parking booth with automatic Arm Barrier of Length: 3 meters Straight Boom, carbon fiber/aluminum alloy, Input Voltage:AC110V/220V,Motor DC24V Voltage, Average °C Power:250W, Operation Life:≥8 million times(circularly), Open/close Speed:1s, Direction: Left/Right, Working Temperature:-30 ~+70 , With sensor loop, vehicle detector and remote controller, Remote Control Distance:≤30m, Support anti-hit,anti-collision & resistance rebound functions, Dimension:295*360*1040mm, Casing Material: Cold-rolled Sheet, Complete in all respect. | Each | 1 | 1,440,000 | 1,440,000 |
| 22 | NS | Supply, installation, testing and commissioning of LCD screen of 55 inches 4K LED TV. Make: Sony, Samsung or equivalent | Each | 1 | 275,000 | 275,000 |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 23 | NS | Supply, installation, testing and commissioning of single phase 3KVA High performance MCU control for higher reliability, Output PF:1.0, Ultra wide voltage input range for harsh grid environments, Multiple protection functions such as overload, short circuit, over voltage, under voltage and bypass, Intelligent battery management features to extend battery life, Online double conversion UPS, voltage specifications: 220 230V with battery bank size for 60 mins @ 3kVA load. 1.5 Year Local/Channel Warranty. Make: Vertiv, Centiel, APC or equivalent | Each | 1 | 300,000 | 300,000 |
| 24 | NS | Supply and installation of 4 core 10mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 1,500 | 225,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **3,476,000** |
| **TOTAL COST** | | | | | | **4,169,621** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**MAIN SAFARI ZONE ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 150 | 446 | 66,833 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | - |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | - |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| | | **Note: Following cables are for (P+N+CPE)** | | | | - |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 75 | 120 | 8,989 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 40 | 240 | 9,584 |
| | **v** | 7/0.044" (6mm²) | Meter | 35 | 333 | 11,667 |
| **4** | | **Three Core Cable** | | | | - |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| **a** | | 6mm2 | Meter | 50 | 984 | 49,208 |
| **5** | | **Switches** | | | | - |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | - |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 1 | 878 | 878 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 1 | 1,396 | 1,396 |
| **6** | | **Switch Sockets** | | | | - |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 4 | 745 | 2,978 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |

**MAIN SAFARI ZONE ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Distribution Board (Light& Power)** | | | | |
| | CH-24-93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 850 x 650 x 200mm | Cft | 2.51 | 24,467 | 61,411 |
| a | | **DB Entrance Gate & Guard Room** | | | | - |
| | | **MCCB Breakers (Incoming)** | | | | - |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 16 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| 8 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 2 | 84 | 169 |
| a | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 2 | 731 | 1,461 |
| b | | **Ceiling Fan** | | | | |
| | CH-24/107-iii | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 2 | 10,819 | 21,639 |

**MAIN SAFARI ZONE ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **9** | | **Network Video Recorder** | | | | - |
| **b** | **CH-24-123-i** | Supply & Installation of NVR (Network Videorecorder) for Real Time View of specified Channels, video and Audio channels, supported protocols: ONVIF, RTSP etc., Internal HDDs mount support: 4 or higher as per site requirement, Monitor outputs, (HDMI,4K Ultra HD), VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motorola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer In charge<br>**8-Channel** | Each | 1 | 99,264.90 | 99,265 |
| **10** | | **Hard Drive Disk** | | | | - |
| | **CH-24-124-ii** | Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer In charge.<br>**8TB** | Each | 1 | 48,826.20 | 48,826 |
| **11** | | **POE Switch** | | | | - |
| | **CH-24-118-i** | Supply, Installation and Connection of Specified Ports Layer-2 PoE (Power Over Ethernet) data Network Switch specified ports x100 Mbps PoE, Min.2x1Gbps SFP UPLINK ports, made of Cisco USA/NOVAS Europe/Juniper USA / Huawei / H3C, Pollo Australia or equivalent approved manufacturer and directed by the Engineer In charge.<br>8 port PoE | Each | 1 | 48,500 | 48,500 |
| **12** | | **Patch Cord** | | | | - |
| | **CH-24-114-ii** | Supply, Installation and commissioning of Cat-6, UTP Machine Made Patch Cord of Specified Length, Support 10 Giga, UL listed cable, with anti snag boots, Gold Over Nickel Plated, Manufacturer/OEM Authorization, confirming to manufacturer warranty, Made of R&M, Molex, 3M or equivalent Approved and Directed by Engineer Incharge.<br>**1- meter patch cord** | Each | 10 | 1,068 | 10,678 |
| **13** | | **CAT-6** | | | | - |
| | **CH-24-113-a-i** | Supply, Installation & Connecting of 4 pairs UTP cable CAT-6, make 3M/Clipsal or approved equivalent. **Note:-** 3 meter cable extra provide on Camera and cabinets side. | Meter | 80 | 160 | 12,816 |
| **14** | | **12U Cabinet size (600x550x635 mm)** | | | | - |
| | **CH-24-136-i** | Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP / Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge. | Each | 1 | 58,226 | 58,226 |
| **15** | | **Data Outlet** | | | | |
| | **CH-24-136-ii** | Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project<br>**Double I/O** | Each | 2 | 2,795 | 5,590 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **693,621** |

**MAIN SAFARI ZONE ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **16** | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | - |
| **a** | **NS** | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 8 | 2,000 | 16,000 |
| **b** | **NS** | Flood light 200W, IP rating 66, 120lm/W, lumens: 24000, power factor >0.9, CRI: >70, AC LED driver included, housing: die cast aluminum. Complete in all respect. | Each | 2 | 40,000 | 80,000 |
| **17** | | **Earthing System** | | | | |
| | **NS** | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| **18** | **NS** | Analog Extension Interface with CLI. | Each | 2 | 15,000 | 30,000 |
| **19** | **NS** | Supply, Installation and Connection of 4 Ports Layer-2 data Network Switch specified ports x1000 Mbps PoE, Min.2x1Gbps SFP UPLINK ports, made of Ruijie, Cisco and Aruba UK. As per specifications complete in all respects. | Each | 1 | 40,000 | 40,000 |
| **20** | | **ANPR CAMERA** | | | | |
| | **NS** | Supply and installtion of ANPR Camera 8MP, Moto Varifocal Bullet Camera. Effieicient H.265+ compression technology. Make: Hikvision, Dahua or equivalent | Each | 2 | 525,000 | 1,050,000 |
| **21** | | **PARKING SYSTEM** | | | | |
| | | Supply, installation, testing and commissioning of parking booth with automatic Arm Barrier of Length: 3 meters Straight Boom, carbon fiber/aluminum alloy, Input Voltage:AC110V/220V,Motor DC24V Voltage, Average °C Power:250W, Operation Life:≥8 million times(circularly), Open/close Speed:1s, Direction: Left/Right, Working Temperature:-30 ~+70 , With sensor loop, vehicle detector and remote controller, Remote Control Distance:≤30m, Support anti-hit,anti-collision & resistance rebound functions, Dimension:295*360*1040mm, Casing Material: Cold-rolled Sheet, Complete in all respect. | Each | 1 | 1,440,000 | 1,440,000 |
| **22** | **NS** | Supply, installation, testing and commissioning of LCD screen of 55 inches 4K LED TV. Make: Sony, Samsung or equivalent | Each | 1 | 275,000 | 275,000 |

**MAIN SAFARI ZONE ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 23 | NS | Supply, installation, testing and commissioning of single phase 3KVA High performance MCU control for higher reliability, Output PF:1.0, Ultra wide voltage input range for harsh grid environments, Multiple protection functions such as overload, short circuit, over voltage, under voltage and bypass, Intelligent battery management features to extend battery life, Online double conversion UPS, voltage specifications: 220 230V with battery bank size for 60 mins @ 3kVA load. 1.5 Year Local/Channel Warranty. Make: Vertiv, Centiel, APC or equivalent | Each | 1 | 300,000 | 300,000 |
| 24 | NS | Supply and installation of 4 core 10mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 1,500 | 225,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **3,476,000** |
| **TOTAL COST** | | | | | | **4,169,621** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 800 | 446 | 356,440 |
| **b** | **CH-24-4-vi** | 50mm dia | Meter | 50 | 640 | 32,013 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 600 | 120 | 71,910 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 300 | 173 | 51,900 |
| | **iv** | 7/0.036" (4mm²) | Meter | 300 | 240 | 71,880 |
| | **v** | 7/0.044" (6mm²) | Meter | 400 | 333 | 133,340 |
| | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | | 6mm2 | Meter | 700 | 984 | 688,905 |
| **4** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 4 | 878 | 3,512 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 14 | 1,396 | 19,543 |
| | **a-ix** | 20A double pole switch for AC | Each | 2 | 2,642 | 5,284 |
| **5** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 1 | 4,733 | 4,733 |
| **6** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 15 | 915 | 13,720 |
| **6** | | **Exhaust Fan** | | | | - |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/105-a-ii** | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 2 | 6,048 | 12,096 |

**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Distribution Board (Light& Power)** | | | | - |
| | CH-24-93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 850 x 650 x 200mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | - |
| | CH-24-89-iv | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 150 Amp TP 18kA | Each | 1 | 27,117 | 27,117 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 7 | 1,455 | 10,186 |
| | | 16 Amps SP 10KA | Each | 20 | 1,455 | 29,102 |
| | | 20 Amps SP 10KA | Each | 3 | 1,455 | 4,365 |
| | CH-24-88-c-iii | 32 Amps TP 10KA | Each | 3 | 8,511 | 25,532 |
| 8 | | **M.S Fan Hook** | | | | - |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 1 | 84 | 84 |
| 9 | | **Fan Dimmer** | | | | - |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 1 | 731 | 731 |
| 10 | | **Ceiling Fan** | | | | - |
| | CH-24/107-iii | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 1 | 10,819 | 10,819 |
| 11 | | **Bracket Fan** | | | | |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 5 | 7,302 | 36,511 |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **12** | | **CAT-6** | | | | - |
| | **CH-24-113-a-i** | Supply, Installation & Connecting of 4 pairs UTP cable CAT-6, make 3M/Clipsal or approved equivalent. **Note:-** 3 meter cable extra provide on Camera and cabinets side. | Meter | 400 | 160 | 64,080 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,856,198** |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | NS | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 12 | 3,000 | 36,000 |
| b | NS | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 5 | 2,000 | 10,000 |
| c | NS | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 2 | 1,500 | 3,000 |
| d | NS | Inground light 6W, Light efficiency: > 80lm/W, power factor> 0.5, CRI> 70, IP rated IP67. round shaped. Complete in all respect. | Each | 11 | 1,000 | 11,000 |
| e | NS | Surface mounted flood light 50W , IP-65 rating, Lumens rating 4250, 85lm/W, Voltage 220-240V, Wide lighting angle : 110 degree, Color rendering index >80, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 5 | 12,000 | 60,000 |
| 14 | | **FLOOR BOXES** | | | | |
| 15 | NS | Supply and installtion of floor boxes for 4 No of outgoings comprising of 2 light power sockets and 2 RJ-45/RJ-11. Complete in all respect. Make: Legrand, Schneider or equivalent | Set | 15 | 12,000 | 180,000 |
| 16 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 17 | NS | Analog Extention interface with CLI | Each | 9 | 15,000 | 135,000 |
| 18 | NS | Supply, installation testing and commissioning of 2 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 23000BTU/24000BTU, running current 2.3~10.2 A, heating capacity of 24500BTU/25000BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 400,000 | 400,000 |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 19a | NS | Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 300,000 | 300,000 |
| 19b | NS | Supply and installation of Floor Standing air conditioner 4 Ton and 3 Ton with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 2 | 790,000 | 1,580,000 |
| 19 | NS | Supply, installation, testing and commissioning of LCD screen of 75 inches 4K LED TV. Make: Sony, Samsung or equivalent | Each | 5 | 625,000 | 3,125,000 |
| 20 | NS | Supply and installation of 4 core 50mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 13,500 | 2,025,000 |
| 21 | | **Generator Set** | | | | |
| | NS | Supply, installation, testing & commissioning of Diesel generating set 100kVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 50mm² Cu cable for generator connections and Cu armored conductor control cables for complete connections of generator with ATS Panel and complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Set | 1 | 6,000,000 | 6,000,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **13,885,000** |
| **TOTAL COST** | | | | | | **15,741,198** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**TUCK SHOP**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 100 | 446 | 44,555 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 25 | 357 | 8,919 |
| **2** | | **Single Core Cable** | | | | - |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| | | **Note: Following cables are for (P+N+CPE)** | | | | - |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 50 | 120 | 5,993 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 40 | 240 | 9,584 |
| | **v** | 7/0.044" (6mm²) | Meter | 35 | 333 | 11,667 |
| **3** | | **Switches** | | | | - |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | - |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 1 | 878 | 878 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 1 | 1,396 | 1,396 |
| **4** | | **Switch Sockets** | | | | - |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 3 | 745 | 2,234 |
| **5** | | **Distribution Board (Light& Power)** | | | | |

**TUCK SHOP**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 300 x 300 x 150mm | Cft | 0.47 | 24,467 | 11,499 |
| **a** | | **DB SUVANIOUR SHOP** | | | | - |

**TUCK SHOP**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **MCCB Breakers (Incoming)** | | | | - |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| | | 16 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| **6** | | **Single Phase Meter** | | | | |
| | **CH-24-79-a-ii** | Supply and erection of electric energy meter, including meter testing fee, etc. | Each | 1 | 5,937 | 5,937 |
| **7** | | **Bracket Fan** | | | | |
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 1 | 7,302 | 7,302 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **133,718** |

**TUCK SHOP**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **8** | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | - |
| **a** | **NS** | LED decoractive light for wall mounted, 2 x 8 watts, 220/240 volts, 1200 Lumens Color Redering > 80, Power factor >0.9. Complete in all respect. | Each | 1 | 2,000 | 2,000 |
| **b** | **NS** | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 2 | 3,000 | 6,000 |
| **9** | | **Earthing System** | | | | |
| | **NS** | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| **10** | **NS** | Supply and installation of 4 core 25mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 40 | 2,500 | 100,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **128,000** |
| **TOTAL COST** | | | | | | **261,718** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Toilet Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 350 | 446 | 155,943 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 150 | 120 | 17,978 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 70 | 173 | 12,110 |
| | **iv** | 7/0.036" (4mm²) | Meter | 100 | 240 | 23,960 |
| | **v** | 7/0.044" (6mm²) | Meter | 80 | 333 | 26,668 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | | 6mm2 | Meter | 100 | 984 | 98,415 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 4 | 1,396 | 5,584 |
| **6** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |
| **7** | | **Isolator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Toilet Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 2 | 4,733 | 9,466 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Toilet Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 12 | 6,048 | 72,577 |
| 9 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 6 | 1,455 | 8,731 |
| | | 16 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 20 Amp SP 10KA | Each | 2 | 1,455 | 2,910 |
| 10 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 4 | 84 | 338 |
| 11 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 4 | 731 | 2,923 |
| 12 | | **Ceiling Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Toilet Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. **56" dia** | Each | 4 | 10,819 | 43,278 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **705,062** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Toilet Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Surface mounted flood light 50W , IP-65 rating, Lumens rating 4250, 85lm/W, Voltage 220-240V, Wide lighting angle : 110 degree, Color rendering index >80, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 6 | 12,000 | 72,000 |
| b | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 40 | 3,000 | 120,000 |
| c | | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 4 | 1,200 | 4,800 |
| 14 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 15 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 7,500 | 1,125,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **1,341,800** |
| **TOTAL COST** | | | | | | **2,046,862** |
| **TOTAL COST OF THREE NUMBER TOILET BLOCKS** | | | | | | **6,140,586** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Jungle Safari CAFÉ**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 400 | 446 | 178,220 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 700 | 120 | 83,895 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 350 | 173 | 60,550 |
| | **iv** | 7/0.036" (4mm²) | Meter | 300 | 240 | 71,880 |
| | **v** | 7/0.044" (6mm²) | Meter | 400 | 333 | 133,340 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | **v** | 6mm2 | Meter | 300 | 984 | 295,245 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 3 | 878 | 2,634 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 6 | 1,396 | 8,376 |
| **5** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 8 | 745 | 5,956 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 11 | 915 | 10,061 |
| **6** | | **Exhaust Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Jungle Safari CAFÉ**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/105-a-ii** | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 1 | 5,868 | 5,868 |
| **7** | **CH-24-79-ii** | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3 Phase Meter**<br>3x50 Amp, 400 volts | Each | 1 | 22,046 | 22,046 |
| **8** | | **Distribution Board** | | | | |
| | **CH-24/93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 300 x 300 x 150mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 100 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| | | 16 Amps SP 10KA | Each | 9 | 1,455 | 13,096 |
| | **CH-24-88-c-iii** | 32 Amps TP 10KA | Each | 3 | 8,511 | 25,532 |
| **9** | | **Bracket Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Jungle Safari CAFÉ**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 12 | 7,302 | 87,625 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,226,305** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Jungle Safari CAFÉ**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 10 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Barn Pendant Light housed in alumimum body, Ceiling Light 220V, including bulb of 12 W, complete in all respect. | Each | 24 | 3,000 | 72,000 |
| b | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 2 | 3,000 | 6,000 |
| 11 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 13 | NS | Supply and installation of Floor Standing air conditioner 3.5 Ton with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 2 | 600,000 | 1,200,000 |
| 14 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 3,000 | 450,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **1,748,000** |
| **TOTAL COST** | | | | | | **2,974,305** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA RESTURANT**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| 1 | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 800 | 446 | 356,440 |
| b | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 100 | 357 | 35,675 |
| 2 | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 300 | 807 | 241,965 |
| 3 | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 800 | 120 | 95,880 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 600 | 173 | 103,800 |
| | **iv** | 7/0.036" (4mm²) | Meter | 500 | 240 | 119,800 |
| | **v** | 7/0.044" (6mm²) | Meter | 400 | 333 | 133,340 |
| 4 | | **Three Core Cable** | | | | |
| | **CH-24-14-b** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| a | **v** | 6mm2 | Meter | 300 | 984 | 295,245 |
| 5 | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 8 | 878 | 7,025 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 4 | 1,396 | 5,584 |
| 5 | | **Switch Sockets** | | | | |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 11 | 745 | 8,190 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 15 | 915 | 13,720 |
| 6 | | **Exhaust Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA RESTURANT**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/105-a-ii** | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 2 | 5,868 | 11,736 |
| **7** | **CH-24-79-ii** | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3 Phase Meter**<br>3x50 Amp, 400 volts | Each | 1 | 22,046 | 22,046 |
| **8** | | **Distribution Board** | | | | |
| | **CH-24/93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 02<br>a) 6" deep<br>i) 20-60A<br>Size: 300 x 300 x 150mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 100 Amp TP MCCB 18KA - Incoming | Each | 2 | 14,473 | 28,947 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 8 | 1,455 | 11,641 |
| | | 16 Amps SP 10KA | Each | 16 | 1,455 | 23,282 |
| | **CH-24-88-c-iii** | 32 Amps TP 10KA | Each | 7 | 8,511 | 59,575 |
| **9** | | **Bracket Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA RESTURANT**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 12 | 7,302 | 87,625 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,722,926** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA RESTURANT**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 10 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Barn Pendant Light housed in alumimum body, Ceiling Light 220V, including bulb of 12 W, complete in all respect. | Each | 40 | 3,000 | 120,000 |
| b | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 5 | 3,000 | 15,000 |
| 11 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 13 | NS | Supply and installation of Floor Standing air conditioner 3.5 Ton with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 2 | 600,000 | 1,200,000 |
| 14 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 200 | 3,000 | 600,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **1,955,000** |
| **TOTAL COST** | | | | | | **3,677,926** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Jeep Safari Parking**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| **a** | **CH-24-3-iii** | 25 mm dia | Meter | 100 | 446 | 44,555 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 75 | 120 | 8,989 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 35 | 240 | 8,386 |
| | **v** | 7/0.044" (6mm²) | Meter | 25 | 333 | 8,334 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | | 6mm2 | Meter | 150 | 984 | 147,623 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 3 | 1,396 | 4,188 |
| **6** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Jeep Safari Parking**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm | Cft | 3.60 | 24,467 | 88,080 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 16 Amps SP 10KA | Each | 7 | 1,455 | 10,186 |
| | | 10 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| 8 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 1 | 84 | 84 |
| 9 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 1 | 731 | 731 |
| 10 | | **Ceiling Fan** | | | | |
| | CH-24/107-iii | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 1 | 10,819 | 10,819 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **495,296** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Jeep Safari Parking**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **11** | | **Light Fitting Fixtures** | | | | |
| | **NS** | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| **a** | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 2 | 3,000 | 6,000 |
| **b** | | LED decoractive light for wall mounted, 2 x 8 watts, 220/240 volts, 1200 Lumens Color Redering > 80, Power factor >0.9. Complete in all respect. | Each | 4 | 1,200 | 4,800 |
| **12** | | **Earthing System** | | | | |
| | **NS** | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| **13** | **NS** | Supply and installation of 4 core 16mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 100 | 2,000 | 200,000 |
| **14** | | **Floor Boxes** | | | | |
| | **NS** | Supply and installtion of floor boxes for 4 No of outgoings comprising of 2 light power sockets and 2 RJ-45/RJ-11. Complete in all respect. Make: Legrand, Schneider or equivalent | Set | 6 | 8,000 | 48,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **278,800** |
| **TOTAL COST** | | | | | | **774,096** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 200 | 446 | 89,110 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 150 | 120 | 17,978 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 50 | 173 | 8,650 |
| | **iv** | 7/0.036" (4mm²) | Meter | 100 | 240 | 23,960 |
| | **v** | 7/0.044" (6mm²) | Meter | 60 | 333 | 20,001 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| a | | 6mm2 | Meter | 375 | 984 | 369,056 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 2 | 878 | 1,756 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 4 | 1,396 | 5,584 |
| | **a-ix** | 20A double pole switch for AC | Each | 1 | 2,642 | 2,642 |
| **6** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 1 | 4,733 | 4,733 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Switch Sockets** | | | | |
| | CH-24/108-a-iv | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 3 | 745 | 2,234 |
| | CH-24/108-a-viii | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 5 | 915 | 4,573 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 1 | 6,048 | 6,048 |
| 9 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm<br>Qty: 01 No | Cft | 3.60 | 24,467 | 88,080 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| | | 16 Amps SP 10KA | Each | 7 | 1,455 | 10,186 |
| | | 20 Amps SP 10KA | Each | 2 | 1,455 | 1,455 |
| 10 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 1 | 84 | 84 |
| 11 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 1 | 731 | 731 |
| 12 | | **Ceiling Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. **56" dia** | Each | 1 | 10,819 | 10,819 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **828,249** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 5 | 3,000 | 15,000 |
| b | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 2 | 1,500 | 3,000 |
| c | | LED decoractive light for wall mounted, 2 x 8 watts, 220/240 volts, 1200 Lumens Color Redering > 80, Power factor >0.9. Complete in all respect. | Each | 3 | 1,200 | 3,600 |
| d | | Inground light 6W, Light efficiency: > 80lm/W, power factor> 0.5, CRI> 70, IP rated IP67. round shaped. Complete in all respect. | Each | 10 | 1,200 | 12,000 |
| 13 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 14 | | **Air Conditioner** | | | | |
| | NS | Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 300,000 | 300,000 |
| 15 | NS | Supply and installation of 4 core 25mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 2,500 | 375,000 |
| 16 | | **Diesel Generator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | NS | Supply, installation, testing & commissioning of Diesel generating set 15KVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 35mm² Al cable for generator connections and Cu armored conductor control cables for complete connections. Complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Each | 1 | 1,500,000 | 1,500,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **2,228,600** |
| **TOTAL COST** | | | | | | **3,056,849** |
| **TOTAL COST OF THREE NUMBER BLOCKS** | | | | | | **9,170,546** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 400 | 446 | 178,220 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 300 | 120 | 35,955 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 100 | 173 | 17,300 |
| | **iv** | 7/0.036" (4mm²) | Meter | 200 | 240 | 47,920 |
| | **v** | 7/0.044" (6mm²) | Meter | 120 | 333 | 40,002 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| a | | 6mm2 | Meter | 450 | 984 | 442,868 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 2 | 878 | 1,756 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 6 | 1,396 | 8,376 |
| | **a-ix** | 20A double pole switch for AC | Each | 4 | 2,642 | 10,568 |
| **6** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 2 | 4,733 | 9,466 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Switch Sockets** | | | | |
| | CH-24/108-a-iv | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 12 | 745 | 8,935 |
| | CH-24/108-a-viii | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 9 | 915 | 8,232 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 5 | 6,048 | 30,241 |
| 9 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm<br>Qty: 01 No | Cft | 3.60 | 24,467 | 88,080 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| | | 16 Amps SP 10KA | Each | 16 | 1,455 | 23,282 |
| | | 20 Amps SP 10KA | Each | 6 | 1,455 | 1,455 |
| 10 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 4 | 84 | 338 |
| 11 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 4 | 731 | 2,923 |
| 12 | | **Ceiling Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. **56" dia** | Each | 4 | 10,819 | 43,278 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,159,761** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 13 | 3,000 | 39,000 |
| b | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 4 | 1,500 | 6,000 |
| c | | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 2 | 1,200 | 2,400 |
| 13 | | **Earthing System** | | | | |
| | | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 14 | | **Air Conditioner** | | | | |
| | NS | Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 4 | 300,000 | 1,200,000 |
| 15 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 3,000 | 450,000 |
| 16 | | **Diesel Generator** | | | | |
| | NS | Supply, installation, testing & commissioning of Diesel generating set 15KVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 35mm² Al cable for generator connections and Cu armored conductor control cables for complete connections. Complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Each | 1 | 1,500,000 | 1,500,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **3,217,400** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | TOTAL COST | | | | 4,377,161 |
| | | TOTAL COST OF TWO NUMBER BLOCKS | | | | 8,754,322 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 250 | 446 | 111,388 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 125 | 120 | 14,981 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 50 | 173 | 8,650 |
| | **iv** | 7/0.036" (4mm²) | Meter | 70 | 240 | 16,772 |
| | **v** | 7/0.044" (6mm²) | Meter | 60 | 333 | 20,001 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | **v** | 6mm2 | Meter | 250 | 984 | 246,038 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 2 | 878 | 1,756 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 3 | 1,396 | 4,188 |
| **5** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 2 | 745 | 1,489 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 7 | 915 | 6,403 |
| **6** | | **Isolator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 1 | 4,733 | 4,733 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 1 | 6,048 | 6,048 |
| 8 | | **Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 850 x 650 x 200mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 3 | 1,455 | 4,365 |
| | | 16 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| | CH-24-88-c-iii | 32 Amps TP 10KA | Each | 1 | 8,511 | 8,511 |
| 9 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 2 | 84 | 169 |
| 10 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 2 | 731 | 1,461 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **11** | | **Ceiling Fan** | | | | |
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 2 | 10,819 | 21,639 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **700,571** |
| **12** | | **Light Fitting Fixtures** | | | | |
| | **NS** | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| **a** | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 7 | 3,000 | 21,000 |
| **b** | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 2 | 1,500 | 3,000 |
| **c** | | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 1 | 1,200 | 1,200 |
| **13** | | **Earthing System** | | | | |
| | **NS** | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| **13** | **NS** | Supply and installation of Floor Standing air conditioner **3 Ton** with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 400,000 | 400,000 |
| **14** | **NS** | Supply and installation of 4 core 25mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 2,500 | 375,000 |
| **15** | | **Diesel Generator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | NS | Supply, installation, testing & commissioning of Diesel generating set 15KVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 35mm² Al cable for generator connections and Cu armored conductor control cables for complete connections. Complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Each | 1 | 1,500,000 | 1,500,000 |
| 16 | NS | Supply, installation, testing and commissioning of LCD screen of 55 inches 4K LED TV. Make: Sony, Samsung or equivalent | Each | 1 | 275,000 | 275,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **2,595,200** |
| **TOTAL COST** | | | | | | **3,295,771** |
| **TOTAL COST OF THREE NUMBER BLOCKS** | | | | | | **9,887,313** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 500 | 446 | 222,775 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 250 | 120 | 29,963 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 100 | 173 | 17,300 |
| | **iv** | 7/0.036" (4mm²) | Meter | 140 | 240 | 33,544 |
| | **v** | 7/0.044" (6mm²) | Meter | 120 | 333 | 40,002 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | **v** | 6mm2 | Meter | 400 | 984 | 393,660 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 2 | 878 | 1,756 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 3 | 1,396 | 4,188 |
| **5** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 3 | 745 | 2,234 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 12 | 915 | 10,976 |
| **6** | | **Isolator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 2 | 4,733 | 9,466 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 2 | 6,048 | 12,096 |
| 8 | | **Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 850 x 650 x 200mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 63 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 16 Amps SP 10KA | Each | 9 | 1,455 | 13,096 |
| | CH-24-88-c-iii | 32 Amps TP 10KA | Each | 5 | 8,511 | 42,554 |
| 9 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 4 | 84 | 338 |
| 10 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 4 | 731 | 2,923 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **11** | | **Ceiling Fan** | | | | |
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 4 | 10,819 | 43,278 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **1,100,672** |
| **12** | | **Light Fitting Fixtures** | | | | |
| | **NS** | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| **a** | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 14 | 3,000 | 42,000 |
| **b** | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 4 | 1,500 | 6,000 |
| **c** | | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 2 | 1,200 | 2,400 |
| **13** | | **Earthing System** | | | | |
| | **NS** | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| **14** | **NS** | Supply and installation of Floor Standing air conditioner 2.5 Ton and 3 Ton with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 2 | 500,000 | 1,000,000 |
| **14a** | **NS** | Supply and installation of Floor Standing air conditioner 3 Ton and 3 Ton with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 2 | 400,000 | 800,000 |
| **15** | **NS** | Supply and Installtion of Automatic Jet Hand dryer, designed European standard to fit in a small space. Power Consumption: 1900 Watts, Elegant design and durable body, Heat and Cool, water-resistant casing, Auto-ON/OFF: Infrared proximity switch, Overheating Protection. | Each | 1 | 105,000 | 105,000 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA**
**GLAMPING PODS - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 16 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 3,000 | 450,000 |
| 17 | | **Diesel Generator** | | | | |
| | NS | Supply, installation, testing & commissioning of Diesel generating set **15KVA** (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 35mm² Al cable for generator connections and Cu armored conductor control cables for complete connections. Complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Each | 1 | 1,500,000 | 1,500,000 |
| 18 | NS | Supply, installation, testing and commissioning of LCD screen of 55 inches 4K LED TV. Make: Sony, Samsung or equivalent | Each | 2 | 275,000 | 275,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **4,200,400** |
| **TOTAL COST** | | | | | | **5,301,072** |
| **TOTAL COST OF TWO NUMBER BLOCKS** | | | | | | **10,602,143** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS FOR SUBSTATION** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 90 | 446 | 40,100 |
| **2** | | **Pvc Pipe** | | | | |
| | **CH-24/8/i** | Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials<br>50mm dia | Meter | 90 | 559 | 50,333 |
| **3** | | **HDPE Pipe** | | | | |
| | **CH-23/42/d/1** | Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/Popular/ IIL or approved equivalent manufacturer, including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects.<br>d) PN -12.5 (SDR-13.6)<br>1) 25mm | Meter | 20 | 140 | 2,809 |
| **4** | | **Single Core Cable** | | | | |
| | **CH-24-11-i, iii, iv & v** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):- | | | | |
| a | | 3/0.74 mm (3/0.029") | Meter | 100 | 120 | 11,985 |
| b | | 7/0.74 mm (7/0.029") | Meter | 55 | 173 | 9,429 |
| c | | 7/0.91 mm (7/0.036") | Meter | 65 | 240 | 15,574 |
| d | | 7/1.12 mm (7/0.044") | Meter | 95 | 333 | 31,668 |
| **5** | | **Three Core Cable** | | | | |
| | **CH-24/13-b-vi** | Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-<br>b)Three core, 600/1000 volt cable<br>7/1.63 mm (7/0.064") | Meter | 100 | 2,311 | 231,100 |
| **6** | | **Four Core Cable** | | | | |
| | **CH-24-13-d** | Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-<br>**ARMOURED CABLE** | | | | |
| b | **vi** | 35 mm sq (19/0.064) | Meter | 50 | 6,982 | 349,090 |
| c | **ix** | 95 mm sq | Meter | 35 | 18,021 | 630,739 |
| **7** | | **Switches** | | | | |
| | **CH-24/108-b** | P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmer made of Hi-Life / Bush / Schneider / Clipsal or approved equivalent manufacturer, screws complete as approved and directed by the Engineer charge. | | | | |
| | **i** | 4 GANG 1 WAY SWITCH/PLATE | Each | 4 | 971 | 3,885 |
| **8** | | **Switch Sockets** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/108-a-viii** | P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmer made of Hi-Life / Bush / Schneider / Clipsal or approved equivalent manufacturer, screws complete as approved and directed by the Engineer charge.<br>**3 pin Power Plug 16 Amp** | Each | 4 | 915 | 3,659 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **9** | | **Distribution Board (Light& Power)** | | | | |
| | **CH-24-93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surfacemounted Type), Powder coated Paint, i/c thecost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).<br>(a) 6" deep<br>(i)20~60A | Cft | 2.51 | 24,467 | 61,411 |
| **a** | | **DB SS Size: 800 x 650 x 200 mm** | | | | |
| | | **MCCB Breakers (Incoming)** | | | | |
| | **CH-24-90-a-v** | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A /SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | 32 TP MCCB 25KA | Each | 1 | 19,861 | 19,861 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | **CH-24-89-a-iii** | Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | 16 Amps SP 10KA | Each | 3 | 1,455 | 4,365 |
| | | 10 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,468,917** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA TRAM STATIONS**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT KASUR**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| #REF! | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by Phillips, Thorn, NVC or equivalent | | | | |
| a | NS | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 10 | 3,000 | 30,000 |
| b | | Surface/Ceiling mounted combination exit light with red/green color non-maintained including 3 hours battery backup, injecton-molded thermoplastic ABS housing, AC Power: 7.5 W, Lead-acid battery(6V4.5AH), Lumens: > 8cd/m². Complete in all respects. | Each | 4 | 20,000 | 80,000 |
| c | | Surface mounted flood light 100W , IP-65 rating, Lumens rating 10,000, Voltage 220-240V, including SMD LED Chip, Wide lighting angle : 110 degree, Color rendering index <70, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 3 | 40,000 | 120,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **230,000** |
| **TOTAL COST FOR 2 Stations** | | | | | | **1,698,917** |

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**ANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS**

**IT Cost**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | Changa Manga Park | 276,777,000 | |
| | Changa Manga Research Center | 178,085,250 | |
| | **Grand.Total** | **454,862,250** | **454,862,250** |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| | | | | | |
| **1. Parking-1 (General Area)** | | | | | |
| 1.01 | Parking Barriers for Entrance | High Speed entry and exit parking barriers with mounting pad, Loop Detector and Network Controller | 6 | 675,000 | 4,050,000 |
| 1.02 | AI Powered Camera | AI Powered NPR (Number Plate Recognition) Camera for Number Plate reading and Vehicle Counting | 6 | 525,000 | 3,150,000 |
| 1.03 | POS Terminal | All in one Touch based POS terminals (With Cash Drawer, Standard Accessories and Digital Counter Display) | 6 | 675,000 | 4,050,000 |
| 1.04 | POS Printer | High Speed Network Powered Thermal POS Printers for parking Receipt Printing | 6 | 120,000 | 720,000 |
| 1.05 | POS Paper | Paper Rolls for POS Printer | 1 | 750,000 | 750,000 |
| 1.06 | Bar/Qr code scanner | Handheld barcode / qrcode scanners | 6 | 120,000 | 720,000 |
| 1.07 | CCTV Camera | IP Camera for Surveillance | 10 | 150,000 | 1,500,000 |
| 1.08 | PTZ Camera | IP PTZ Camera | 3 | 525,000 | 1,575,000 |
| 1.09 | Environmental Monitoring | CO2 sensors | 3 | 75,000 | 225,000 |
| 1.10 | Networking and Cabling infrastructure | Fibre Optic and Ethernet Cable laying, Infrastructure and Comissioning | 1 | 3,000,000 | 3,000,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 1.11 | Distribution Switch | Layer 3 Distribution Switch with SFP+ Uplink to be connected from Datacenter's Core Switch Network | 1 | 1,200,000 | 1,200,000 |
| 1.12 | Layer 3 Switch | 24 Port Layer 3 SFP+ Access Switch Uplink Non POE Switch with QoS features to uplink Parking barriers and POS Terminals and Accessories with Network | 2 | 300,000 | 600,000 |
| 1.13 | Layer 3 SFP+ Uplink Switch POE | 24 Port Layer 3 SFP+ Access Switch Uplink POE Switch with QoS features to uplink IP, PTZ and AI NPR Camera | 1 | 375,000 | 375,000 |
| | **Subtotal** | | | | 21,915,000 |
| | | | | | |
| **2. Information Centre** | | | | | |
| 2.01 | POS Terminal | Dual Screen touch based POS terminal all in one with Customer Display, Cash Drawer and Customer Counter | 10 | 825,000 | 8,250,000 |
| 2.02 | POS Printer | High speed thermal printer with network / ethernet connectivity | 10 | 120,000 | 1,200,000 |
| 2.03 | Wristband Printer | Wristband Ticket Thermal Printer with network connectivity and SDK support | 10 | 225,000 | 2,250,000 |
| 2.04 | Ticket Material | Thermal Paper, Wristband material | 1 | 7,500,000 | 7,500,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 2.05 | Self Ticketing Counter | Touch Based Self Service Ticketing Counter with payment device integration | 3 | 1,350,000 | 4,050,000 |
| 2.06 | Flapping Barrier | Multi lane flapping barrier with barcode / qr code reader, network connectivity and access control module | 8 | 825,000 | 6,600,000 |
| 2.07 | AI Powered Camera | People Counting AI Camera for People and Footfall counting | 5 | 375,000 | 1,875,000 |
| 2.08 | LED TV | 65 inches LED Smart TV with wireless or Ethernet Connectivity support | 4 | 750,000 | 3,000,000 |
| 2.09 | Information Kiosk | Information touch based kiosk with stand for Park's information and wayfinding | 2 | 975,000 | 1,950,000 |
| 2.10 | Large SMD | Large SMD 8 x 10 feet | 2 | 4,800,000 | 9,600,000 |
| 2.11 | Immersive Sound System | Immersive Sound System for information centre | 1 | 750,000 | 750,000 |
| 2.12 | PA System | PA System for information centre for network supported PA speakers throughout the park with software, server and centrally connected announcement system | 1 | 4,500,000 | 4,500,000 |
| 2.13 | Environmental Sensors | Indoor Temperature and humidity sensors | 2 | 75,000 | 150,000 |
| 2.14 | IP Camera | IP Cameras for surveillance and security | 10 | 150,000 | 1,500,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 2.15 | 24 Port Ethernet Switches | 24 Port ethernet switch with SFP+ uplink for connectivity of POS counter, flapper barrier controller, LED TV, Kiosk, self service counter and other networking accessories | 3 | 300,000 | 900,000 |
| 2.16 | Cabling Infrastructure | CAT6 and Fibre Cable infratsructure with accessories | 1 | 2,250,000 | 2,250,000 |
| 2.17 | 24 Port POE Switch | 24 Port POE ethernet switch with SFP+ uplink for connectivity for AI People counting and IP Camera connectivity | 1 | 375,000 | 375,000 |
| 2.18 | Access Point (AP) for Public in Information center | Dual Band 802.11ac Access Point for WiFi Access in information centre building | 2 | 180,000 | 360,000 |
| | **Subtotal** | | | | 57,060,000 |
| | | | | | |
| **3. General / Picnic Area** | | | | | |
| 3.01 | Outdoor Router / AP | IP67 Ingress Protection POE Powered Dual Band outdoor wireless Router / AP | 3 | 450,000 | 1,350,000 |
| 3.02 | GSM Booster | Outdoor GSM Booster for General Area | 2 | 2,250,000 | 4,500,000 |
| 3.04 | Integrated Sound System for General / Picnic Area | Loudspeakers for General / Picnic Area | 12 | 450,000 | 5,400,000 |
| 3.05 | Amplifier | Amplifier for General / Picnic Area Loud Speakers | 1 | 1,425,000 | 1,425,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 3.06 | Digital Mixer | Mixer for General / Public Area Sound System | 1 | 1,450,000 | 1,450,000 |
| 3.07 | Decentralized Sound System for Assets | Sound system for Jungle Safari Café, Floating Restaurant and Canopy Walkway with 2 speakers and mixer unit | 3 | 975,000 | 2,925,000 |
| | **Subtotal** | | | | **17,050,000** |
| **4. Parking for EV, Eco Tourism and Eco Lodges Area** | | | | | |
| 4.01 | Parking Barriers for Entrance | High Speed entry and exit parking barriers with mounting pad, Loop Detector and Network Controller | 6 | 675,000 | 4,050,000 |
| 4.02 | AI Powered Camera | AI Powered NPR (Number Plate Recognition) Camera for Number Plate reading and Vehicle Counting | 6 | 525,000 | 3,150,000 |
| 4.03 | POS Terminal | All in one Touch based POS terminals (With Cash Drawer, Standard Accessories and Digital Counter Display) | 6 | 675,000 | 4,050,000 |
| 4.04 | POS Printer | High Speed Network Powered Thermal POS Printers for parking Receipt Printing | 6 | 120,000 | 720,000 |
| 4.05 | POS Paper | Paper Rolls for POS Printer | 1 | 750,000 | 750,000 |
| 4.06 | Bar/Qr code scanner | Handheld barcode / qrcode scanners | 6 | 120,000 | 720,000 |
| 4.07 | CCTV Camera | IP Camera for Surveillance | 10 | 150,000 | 1,500,000 |
| 4.08 | PTZ Camera | IP PTZ Camera | 3 | 525,000 | 1,575,000 |
| 4.09 | Environmental Monitoring | CO2 sensors | 3 | 75,000 | 225,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 4.10 | Networking and Cabling infrastructure | Fibre Optic and Ethernet Cable laying, Infrastructure and Comissioning | 1 | 3,000,000 | 3,000,000 |
| 4.11 | Distribution Switch | Layer 3 Distribution Switch with SFP+ Uplink to be connected from Datacenter's Core Switch Network | 1 | 1,200,000 | 1,200,000 |
| 4.12 | Layer 3 Switch | 24 Port Layer 3 SFP+ Access Switch Uplink Non POE Switch with QoS features to uplink Parking barriers and POS Terminals and Accessories with Network | 2 | 300,000 | 600,000 |
| 4.13 | Layer 3 SFP+ Uplink Switch POE | 24 Port Layer 3 SFP+ Access Switch Uplink POE Switch with QoS features to uplink IP, PTZ and AI NPR Camera | 1 | 375,000 | 375,000 |
| | **Subtotal** | | | | **21,915,000** |
| | | | | | |
| **5. Ticketing and Reception Counter for Eco Tourism, Eco Lodges Area** | | | | | |
| 5.01 | POS Terminal | Dual Screen touch based POS terminal all in one with Customer Display, Cash Drawer and Customer Counter | 2 | 825,000 | 1,650,000 |
| 5.02 | POS Printer | High speed thermal printer with network / ethernet connectivity | 2 | 120,000 | 240,000 |
| 5.03 | Wristband Printer | Wristband Ticket Thermal Printer with network connectivity and SDK support | 2 | 225,000 | 450,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 5.04 | RFID | RFID Access Cards with RFID Reader and Writer for Eco Lodges and Pods Access Control System | 1 | 450,000 | 450,000 |
| 5.05 | LED TV | 65 inches LED Smart TV with wireless or Ethernet Connectivity support | 2 | 750,000 | 1,500,000 |
| | **Subtotal** | | | | **4,290,000** |
| | | | | | |
| **6. Amphitheatre** | | | | | |
| 6.01 | Amphitheatre Sound System | Line Array sound system with amplifier, subwoofers, mixing console, Mic and cabling accessories | 1 | 16,500,000 | 16,500,000 |
| 6.02 | High power Wireless Acess Point for Public | IP67 Ingress Protection POE Powered Dual Band outdoor wireless Router / AP for Amphitheatre | 2 | 450,000 | 900,000 |
| 6.03 | Networking Infrastructure | Networking infrastructure including Ethernet cabling and POE Switch for network uplink | 1 | 750,000 | 750,000 |
| 6.04 | GSM Booster for Amphitheatre | Outdoor GSM Booster for Amphitheatre | 1 | 2,025,000 | 2,025,000 |
| | **Subtotal** | | | | **20,175,000** |
| | | | | | |
| **7. Corporate Meeting Room** | | | | | |
| 7.01 | Professional 4K Display | 85" 4K Smart LED TV With network connectivity | 2 | 1,500,000 | 3,000,000 |
| 7.02 | Digital Whiteboard | Interactive Display Flaty Panel / Digital Whiteboard | 2 | 1,500,000 | 3,000,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 7.03 | Sound System | Dolby Atmos Sound Bar System for Conference Room | 2 | 450,000 | 900,000 |
| 7.04 | Video Conference System | Premier modular video conferencing system with conference camera, speaker and mic unit | 2 | 1,050,000 | 2,100,000 |
| 7.05 | Network Components | Firewall, Access Switches with SFP+ uplink, Mic Amplification and cabling infrastructure | 1 | 1,125,000 | 1,125,000 |
| 7.06 | Wireless Access Point | Entrprise Grade Dual Band Access point with POE uplink | 2 | 450,000 | 900,000 |
| 7.07 | Printer and Photocopier | 3 in 1 (Print, Copy, Scan) Color Printer | 1 | 750,000 | 750,000 |
| 7.08 | IP Phone | IP Phone with POE Uplink | 4 | 18,000 | 72,000 |
| 7.09 | Laptop | Laptop with Core i5 13th Generation 16GB RAM 512GB SSD with Windows OS | 1 | 225,000 | 225,000 |
| 7.10 | Table Mics | Cardioid Condenser Quick-Mount Gooseneck Microphone | 50 | 75,000 | 3,750,000 |
| 7.11 | Tablet | e-Ink Tablets | 50 | 250,000 | 12,500,000 |
| | **Subtotal** | | | | **28,322,000** |
| | | | | | |
| **8. Restaurant** | | | | | |
| 8.01 | Network Infrastructure | Switching infrastructure, IP Phones and Network Cabling | 1 | 750,000 | 750,000 |
| 8.02 | Wireless Access Point | Dual band long range 802.11ac Wi-Fi Access Point with POE | 2 | 450,000 | 900,000 |
| | **Subtotal** | | | | **1,650,000** |
| **9. Ticketing for Jeep Safari** | | | | | |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 9.01 | POS Terminal | Dual Screen touch based POS terminal all in one with Customer Display, Cash Drawer and Customer Counter | 2 | 825,000 | 1,650,000 |
| 9.02 | POS Printer | High speed thermal printer with network / ethernet connectivity | 2 | 120,000 | 240,000 |
| 9.03 | Wristband Printer | Wristband Ticket Thermal Printer with network connectivity and SDK support | 2 | 225,000 | 450,000 |
| 9.04 | Flapper Gates | Multi lane flapping barrier with barcode / qr code reader, network connectivity and access control module for Entry and Exit Control | 2 | 825,000 | 1,650,000 |
| 9.05 | LED TV | 65 inches LED Smart TV with wireless or Ethernet Connectivity support | 2 | 750,000 | 1,500,000 |
| | **Subtotal** | | | | **5,490,000** |
| **10. Eco Lodges and Pods** | | | | | |
| 10.01 | Network and Automation Infrastructure | Switching infrastructure, IP Phones, Dual Band Wi-Fi access Point, and Automation Equipment | 10 | 525,000 | 5,250,000 |
| | **Subtotal** | | | | **5,250,000** |
| **11. Tram Station** | | | | | |
| 11.01 | POS Terminal | Dual Screen touch based POS terminal all in one with Customer Display, Cash Drawer and Customer Counter | 4 | 825,000 | 3,300,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 11.02 | POS Printer | High speed thermal printer with network / ethernet connectivity | 4 | 120,000 | 480,000 |
| 11.03 | Wristband Printer | Wristband Ticket Thermal Printer with network connectivity and SDK support | 4 | 225,000 | 900,000 |
| 11.04 | Flapper Gates | Multi lane flapping barrier with barcode / qr code reader, network connectivity and access control module for Entry and Exit Control | 4 | 825,000 | 3,300,000 |
| 11.05 | LED TV | 65 inches LED Smart TV with wireless or Ethernet Connectivity support | 4 | 750,000 | 3,000,000 |
| 11.06 | Outdoor Display Screen for Train information | Outdoor display screen for train ionformation with ingress protection | 2 | 975,000 | 1,950,000 |
| | **Subtotal** | | | | **12,930,000** |
| **12. Security and Surveilllance** | | | | | |
| 12.01 | IP cameras Throughout the Park | IP Cameras for Surveillance throughout the Park | 50 | 75,000 | 3,750,000 |
| 12.02 | Network Video recorder | 128 Channel Network Video Recorder with storage HDD | 1 | 1,800,000 | 1,800,000 |
| | **Subtotal** | | | | **5,550,000** |
| **13. Datacentre and Software Applications** | | | | | |
| 13.01 | Internet Connectivity | Enterprise dedicated Internet Connectivity Infrastructure | 1 | 3,600,000 | 3,600,000 |
| 13.02 | Firewall and Network Security Infrastructure | Advanced Network Security Management Infrastructure with SD-WAN Capabilities and IPS Protection | 1 | 1,800,000 | 1,800,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 13.03 | Core Switches | SFP+ High Performance Network Switches in Collapsed Core configuration for central connectivity and uplink of all network components to datacentre | 2 | 2,250,000 | 4,500,000 |
| 13.04 | Application Server | High performance application Rack Server | 1 | 8,700,000 | 8,700,000 |
| 13.05 | HA Server | High Availability (HA) Server | 1 | 4,950,000 | 4,950,000 |
| 13.06 | NAS Storage | Enterprise Data Backup and Recovery Infrastructure | 1 | 1,950,000 | 1,950,000 |
| 13.07 | Centeralized Video Monitoring System | Centralized Video Management and Recording Infrastructure (Security / CCTV camera streaming and AI based people counting algorithm) | 1 | 3,000,000 | 3,000,000 |
| 13.08 | | 65 Inch 4K LED Smart TV for Control Room / Datacentre | 2 | 750,000 | 1,500,000 |
| 13.09 | Workstation PC | Workstation PC for Control room and Datcenter | 2 | 900,000 | 1,800,000 |
| 13.10 | Rack and Stack | Datacenter Rack & Stack, Networking, Power Management and Backup System | 1 | 2,700,000 | 2,700,000 |
| 13.11 | E-Ticketing Application | Enterprise application for visitor E-Ticketing and E-Parking system | 1 | 3,000,000 | 3,000,000 |
| 13.12 | Backup and Retention System | Enterprise Backup and Recovery Software Solutions | 1 | 750,000 | 750,000 |
| 13.13 | Data Center Application Software | Server Virtualization and IT Stack monitoring and Alerting system | 1 | 3,000,000 | 3,000,000 |
| 13.14 | BI Analytics and Dashboards | BI, Analytics AI powered dashboard for visitor footfall analysis | 1 | 1,125,000 | 1,125,000 |
| | **Subtotal** | | | | **42,375,000** |
| **14. Website & Mobile App** | | | | | |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 14.01 | Cross Platform Mobile App | Cross-platform mobile App for enhanced visitor interaction and service delivery | 1 | 10,005,000 | 10,005,000 |
| 14.02 | Website addon | Adition of Bansra Gali Wildlife Park content in existingcwebsite | 1 | 300,000 | 300,000 |
| | **Subtotal** | | | | **10,305,000** |
| **15. Park's Network Connectivity Backbone** | | | | | |
| 15.01 | Park's interconnectivity network and infrastructure backbone | | 1 | 22,500,000 | 22,500,000 |
| | **Subtotal** | | | | **22,500,000** |
| | **Total** | | | | **276,777,000** |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| | | | | | |
| **1. AI Powered Visitor Feedback and Sentiment Analysis** | | | | | |
| 1.01 | Visitor Sentiment and Feedback System | AI powered cams for live visitor feedback analysis using sentiment analysis algorithm | 12 | 375,000 | 4,500,000 |
| 1.02 | AI Powered Algorithm for visitor sentiments | AI Powered software algorithm for visitor sentiment analysis | 1 | 750,000 | 750,000 |
| | **Subtotal** | | | | **5,250,000** |
| **2. Flora Research Centre Equipment** | | | | | |
| 2.01 | | Compound Microscope | 2 | 225,000 | 450,000 |
| 2.02 | | Dissecting/Stereo Microscope | 1 | 1,050,000 | 1,050,000 |
| 2.03 | | Precision weighing scale | 2 | 45,000 | 90,000 |
| 2.04 | | Mortar and pestle | 2 | 75,000 | 150,000 |
| 2.05 | | Water bath and heating blocks | 1 | 2,250,000 | 2,250,000 |
| 2.06 | | Centrifuge | 1 | 150,000 | 150,000 |
| 2.07 | | pH meter | 2 | 45,000 | 90,000 |
| 2.08 | | Spectrophotometer | 1 | 3,000,000 | 3,000,000 |
| 2.09 | | Incubator | 1 | 600,000 | 600,000 |
| 2.10 | | Refrigerators and freezers | 1 | 900,000 | 900,000 |
| 2.11 | | Fume hood | 1 | 1,950,000 | 1,950,000 |
| 2.12 | | Distillation unit | 1 | 225,000 | 225,000 |
| 2.13 | | Plant presses | 1 | 150,000 | 150,000 |
| 2.14 | | Secateurs or pruning shears | 5 | 3,750 | 18,750 |
| 2.15 | | Soil auger or soil corer | 2 | 15,000 | 30,000 |
| 2.16 | | Plant identification guides | 1 | 75,000 | 75,000 |
| 2.17 | | GPS | 4 | 60,000 | 240,000 |
| 2.18 | | PCR machine (thermocycler) | 1 | 6,750,000 | 6,750,000 |
| 2.19 | | Gel electrophoresis apparatus | 1 | 1,800,000 | 1,800,000 |
| 2.20 | | Laminar flow hood | 1 | 1,050,000 | 1,050,000 |
| 2.21 | | Autoclave | 1 | 750,000 | 750,000 |
| 2.22 | | Drying oven | 1 | 375,000 | 375,000 |
| 2.23 | | Desiccators | 1 | 90,000 | 90,000 |
| 2.24 | | Herbarium cabinets | 2 | 225,000 | 450,000 |
| 2.25 | | Chlorophyll meter | 2 | 12,000 | 24,000 |
| 2.26 | | Leaf area meter | 1 | 600,000 | 600,000 |
| 2.27 | | First aid kit | 1 | 300,000 | 300,000 |
| 2.28 | | Glassware | 1 | 2,250,000 | 2,250,000 |
| 2.29 | | Consumables | 1 | 2,250,000 | 2,250,000 |
| 2.30 | | Distillation Plant | 2 | 105,000 | 210,000 |
| 2.31 | | Air Conditioner | 1 | 375,000 | 375,000 |
| 2.32 | | Misc. | 1 | 2,250,000 | 2,250,000 |
| | **Subtotal** | | | | **30,942,750** |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| **3. Fauna Research Centre Equipment** | | | | | |
| 3.01 | | Refrigerator | 2 | 750,000 | 1,500,000 |
| 3.02 | | Compound Microscope | 3 | 225,000 | 675,000 |
| 3.03 | | Phase-contrast Microscope | 1 | 2,250,000 | 2,250,000 |
| 3.04 | | Autoclave | 2 | 750,000 | 1,500,000 |
| 3.05 | | Incubators | 2 | 600,000 | 1,200,000 |
| 3.06 | | Waterbath | 2 | 150,000 | 300,000 |
| 3.07 | | Hot Plates | 4 | 105,000 | 420,000 |
| 3.08 | | Laminar Flow Hood | 1 | 1,050,000 | 1,050,000 |
| 3.09 | | Glassware | 1 | 750,000 | 750,000 |
| 3.10 | | Consumables | 1 | 3,000,000 | 3,000,000 |
| 3.11 | | pH Meter | 2 | 37,500 | 75,000 |
| 3.12 | | Colony Counter | 1 | 150,000 | 150,000 |
| 3.13 | | Centrifuge | 1 | 150,000 | 150,000 |
| 3.14 | | Dissection Kits | 4 | 7,500 | 30,000 |
| 3.15 | | Hematology Analyzer | 1 | 1,500,000 | 1,500,000 |
| 3.16 | | PCR machine (thermocycler) | 1 | 6,750,000 | 6,750,000 |
| 3.17 | | Gel electrophoresis apparatus | 1 | 1,800,000 | 1,800,000 |
| 3.18 | | Spectrophotometer | 1 | 3,000,000 | 3,000,000 |
| 3.19 | | ELISA Reader | 1 | 900,000 | 900,000 |
| 3.20 | | Refrigerated Centrifuge | 1 | 225,000 | 225,000 |
| 3.21 | | Binoculars | 5 | 150,000 | 750,000 |
| 3.22 | | Rangefinder | 1 | 75,000 | 75,000 |
| 3.23 | | Traps and nets | 1 | 300,000 | 300,000 |
| 3.24 | | Spotting Scopes | 2 | 225,000 | 450,000 |
| 3.25 | | Species Identification Guides | 1 | 150,000 | 150,000 |
| 3.26 | | Water and soil testing kit | 1 | 75,000 | 75,000 |
| 3.27 | | Weighing balance | 2 | 45,000 | 90,000 |
| 3.28 | | GPS | 3 | 60,000 | 180,000 |
| 3.29 | | Air Conditioner | 3 | 375,000 | 1,125,000 |
| 3.30 | | Misc. | 1 | 3,000,000 | 3,000,000 |
| | **Subtotal** | | | | **33,420,000** |
| **4. Biodiversity Monitoring** | | | | | |
| 4.01 | Smart trail / Animal Enclosure cameras | Trail and Animal Enclosure Cameras with Night Vision | 20 | 375,000 | 7,500,000 |
| 4.02 | Drone | Thermal Imaging Drone | 1 | 3,750,000 | 3,750,000 |
| 4.03 | Bioacoutic Sensors | Bioacoustic Sensor | 5 | 750,000 | 3,750,000 |
| 4.04 | AI species recognition software | AI Species recognition software for Trap Cameras and Bioacoustic Sensor | 1 | 1,500,000 | 1,500,000 |
| | **Subtotal** | | | | **16,500,000** |
| **5. Environmental Sensors** | | | | | |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 5.01 | Air quality sensors | Air Quality Sensor nodes with microcontroller | 10 | 375,000 | 3,750,000 |
| 5.02 | Noise level sensors | Noise Level Sensor nodes with microcontroller | 10 | 180,000 | 1,800,000 |
| 5.03 | Weather stations | Weather Station nodes with microcontroller | 3 | 1,500,000 | 4,500,000 |
| 5.04 | Forest Fire detection sensors | Forest Fire and smoldering Detection sensor node | 5 | 250,500 | 1,252,500 |
| 5.05 | IoT gateway devices | Iot Gateway Device for Forest Fire, Weather Station, Noise Level Sensor and Air Quality Sensors | 3 | 1,500,000 | 4,500,000 |
| 5.06 | Long Range Acoustic Sensors for Wood cutting and forest fire detection with networking nodes | Long Range Acoustic Sensors for Wood cutting and forest fire detection with networking nodes | 5 | 525,000 | 2,625,000 |
| | **Subtotal** | | | | **18,427,500** |
| | | **6. Workstation and Video Wall** | | | |
| 6.01 | High Performance Workstation | High Performance Workstation | 15 | 1,500,000 | 22,500,000 |
| 6.02 | Video Wall | Video Wall | 1 | 15,000,000 | 15,000,000 |
| | **Subtotal** | | | | **37,500,000** |
| | | **7. Research Centre** | | | |
| 7.01 | Research center Application Server | High Performance Application Server for Research Centre | 1 | 8,805,000 | 8,805,000 |
| 7.02 | AI Application Server | AI Application Server | 1 | 3,000,000 | 3,000,000 |
| 7.03 | Storage Server | AI Application Server | 1 | 4,950,000 | 4,950,000 |
| 7.04 | Backup and Retention System | Backup and Retention System | 1 | 750,000 | 750,000 |
| 7.05 | Datacenter power and cooling infrastructure | Datacenter power and cooling infrastructure | 1 | 3,000,000 | 3,000,000 |
| 7.06 | Netwokring Infrastructure including firewall, core switches and wireless connectivity | Netwokring Infrastructure including firewall, core switches and wireless connectivity | 1 | 6,600,000 | 6,600,000 |
| 7.07 | GIS Software | GIS Software | 1 | 7,440,000 | 7,440,000 |
| 7.08 | Animal Information and Management System | Animal Information and Management System | 1 | 1,500,000 | 1,500,000 |
| | **Subtotal** | | | | **36,045,000** |
| | | | | | |
| | | | | | |

Annexure31 - Detailed BOQs

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| | Total | | | | 178,085,250 |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB

### Changa Manga Staff Quarter

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KASUR**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 50,000,000 | |
| | **Grand.Total** | **50,000,000** | **50,000,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## Link Road to Connect DI Khan to Gernali Road

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 19,500,000 | |
| | **Grand.Total** | **19,500,000** | **19,500,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB (CHASHMA)

### Access Road from Gernali Road to Cashma Eco-Tourism Zone

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 12,000,000 | |
| | **Grand.Total** | **12,000,000** | **12,000,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### 3-Parking for 100 Vehicle and 50 Motorcycles

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 25,310,000 | |
| | **Grand.Total** | **25,310,000** | **25,310,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Construction of Toilet Blocks (6+6) Near Parking

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 16,800,000 | |
| | **Net Total** | **16,800,000** | **16,800,000** |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 3,010.41 | 15.82 | 47,625 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 1,505.21 | 7.54 | 11,349 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 7,230.00 | 16.02 | 115,825 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 264.93 | 375.16 | 99,391 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 323.65 | 122.43 | 39,624 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 166.73 | 497.23 | 82,902 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 278.43 | 694.70 | 193,425 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 549.58 | 841.70 | 462,579 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 3,169.17 | 303.39 | 961,495 |
| 10 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 273.37 | 133.58 | 36,516 |
| 11 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 238.74 | 81.92 | 19,558 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,151.40 | 345.45 | 397,752 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 1,617.86 | 358.06 | 579,292 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 323.65 | 41.07 | 13,292 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 15 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 723.13 | 312.65 | 226,085 |
| 16 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 1,999.76 | 384.70 | 769,308 |
| 17 | 10/46-c(i) | Providing and laying superb quality Porcelain glazed tiles **flooring** of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the jointsi/ccutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequred Tiles (i) 300mmx300 mm | P.Sft | 180.00 | 272.45 | 49,041 |
| 18 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 222.50 | 1,233.15 | 274,376 |
| | **11. SURFACE RENDERING** | | | | | |
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,235.26 | 46.18 | 103,224 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,440.00 | 62.00 | 89,280 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 2,235.26 | 3.93 | 8,785 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 2,235.26 | 8.76 | 19,581 |
| | | ii) two coats | P.Sft | 2,235.26 | 12.12 | 27,091 |
| | **12. WOOD WORK** | | | | | |
| 22 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 77.00 | 950.00 | 73,150 |
| 23 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 77.00 | 756.80 | 58,274 |
| 24 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |
| 25 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 2.00 | 4,400.25 | 8,801 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,440.00 | 47.26 | 68,054 |
| | | **ii) 2nd coat** | P.Sft | 1,440.00 | 26.52 | 38,189 |
| | **25. IRON WORK** | | | | | |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 27 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 105.00 | 1,306.55 | 137,188 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 52.50 | 542.80 | 28,497 |
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 105.00 | 1,192.50 | 125,213 |
| 30 | 25/64 | Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge. | P.Rft | 24.00 | 3,346.10 | 80,306 |
| 31 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | 75 mm thick | P.Sft | 1,410.50 | 1,648.65 | 2,325,421 |
| 32 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 11,033.89 | 389.22 | 4,294,610 |
| 33 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4,231.50 | 11.91 | 50,397 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 4,231.50 | 24.24 | 102,572 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **26. MISCELLANEOUS** | | | | | |
| 34 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,710.25 | 12.55 | 46,564 |
| 35 | NS-1 | Providing and fixing 2" thick WPC (wood plastic composite) solid door enviroment friendly complete in all respect as approved by Engineer Incharge. | P.Sft | 189.00 | 1,750.00 | 330,750 |
| 36 | NS-2 | Providing and fixing wood plastic composite WPC architrave 3" x (3/4" tapered to ¼") all along the door frame complete in all respect. | P.Sft | 378.00 | 350.00 | 132,300 |
| | | **Total for Each** | | | | **12,528,037** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **4,271,963** |
| | | **NON-SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **16,800,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 3.00 | 3.00 | 1,572.75 | |
| | Short Wall A | | 3 | 21.33 | 3.00 | 3.00 | 575.91 | |
| | Long Wall B | | 1 | 58.25 | 3.00 | 3.00 | 524.25 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 2.50 | 2.00 | 337.50 | |
| | | | | | | **Total:** | **3,010.41** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 3,010.41 | | | **1505.21** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 14.00 | 6.00 | 4032.00 | |
| | W.C | | 10 | 3.50 | 6.25 | 6.00 | 1312.50 | |
| | W.C | | 2 | 8.67 | 6.25 | 6.00 | 650.25 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 3.00 | 310.50 | |
| | Podium | | 2 | 17.13 | 4.50 | 6.00 | 924.75 | |
| | | | | | | **Total:** | **7,230.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 3.00 | 0.25 | 131.06 | |
| | Short Wall A | | 3 | 21.33 | 3.00 | 0.25 | 47.99 | |
| | Long Wall B | | 1 | 58.25 | 3.00 | 0.25 | 43.69 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 2.50 | 0.25 | 42.19 | |
| | | | | | | **Total:** | **264.93** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.33 | 130.68 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.33 | 72.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.33 | 34.16 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.33 | 50.86 | |
| | | | | | | **Total:** | **323.65** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.17 | 67.32 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.17 | 37.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.17 | 18.42 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.17 | 17.60 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.17 | 26.20 | |
| | | | | | | **Total:** | **166.73** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 2.50 | 0.33 | 144.17 | |
| | Short Wall A | | 3 | 21.33 | 2.50 | 0.33 | 52.79 | |
| | Long Wall B | | 1 | 58.25 | 2.50 | 0.33 | 48.06 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 1.50 | 0.33 | 33.41 | |
| | | | | | | **Total:** | **278.43** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | 0.75 | 0.75 | 65.53 | |
| | Short Wall A | | 2 | 21.33 | 0.75 | 0.75 | 24.00 | |
| ii | **Lintel Band** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | 0.75 | 0.75 | 65.53 | |
| | Short Wall A | | 2 | 21.33 | 0.75 | 0.75 | 24.00 | |
| iii | **Roof Band** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | 0.75 | 0.75 | 65.53 | |
| | Short Wall A | | 2 | 21.33 | 0.75 | 0.75 | 24.00 | |
| iv | **Pedestal** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | P-1 | | 14 | 1.50 | 1.50 | 8.25 | 259.88 | |
| | self | | 2 | 16.00 | 2.00 | 0.33 | 21.12 | |
| | | | | | | **Total** | **549.58** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 278.43 | 2.50 | Per Cft | 696.07 | |
| | Superstructural | | 1 | 549.58 | 4.50 | Per Cft | 2,473.10 | |
| | | | | | | **Total** | **3,169.17** | Kg |
| 10 | **Horizontal DPC** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 0.75 | | 131.06 | |
| | Short Wall A | | 3 | 21.33 | 0.75 | | 47.99 | |
| | Long Wall B | | 1 | 58.25 | 0.75 | | 43.69 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 0.75 | | 50.63 | |
| | | | | | | **Total:** | **273.37** | Sft |
| 11 | **Vertical DPC** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | | 1.50 | 174.75 | |
| | Short Wall A | | 2 | 21.33 | | 1.50 | 63.99 | |
| | | | | | | **Total:** | **238.74** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 1.50 | 0.50 | 262.13 | |
| | Short Wall A | | 3 | 21.33 | 1.50 | 0.50 | 95.99 | |
| | Long Wall B | | 1 | 58.25 | 1.50 | 0.50 | 87.38 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 1.13 | 0.50 | 75.94 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 1.13 | 0.50 | 196.59 | |
| | Short Wall A | | 3 | 21.33 | 1.13 | 0.50 | 71.99 | |
| | Long Wall B | | 1 | 58.25 | 1.13 | 0.50 | 65.53 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 0.75 | 8.00 | 50.63 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 0.75 | 6.50 | 131.06 | |
| | Short Wall A | | 3 | 21.33 | 0.75 | 6.50 | 47.99 | |
| | Long Wall B | | 1 | 58.25 | 0.75 | 6.50 | 43.69 | |
| | Ent Steps | | | | | | | |
| | 1st Steps | | 1 | 15.00 | 2.00 | 0.50 | 15.00 | |
| | 2nd Steps | | 1 | 15.00 | 1.00 | 0.50 | 7.50 | |
| | | | | | | **Total:** | **1,151.40** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | 0.75 | 10.00 | 873.75 | |
| | Short Wall A | | 3 | 21.33 | 0.75 | 10.00 | 479.93 | |
| | Long Wall B | | 1 | 58.25 | 0.38 | 10.00 | 218.44 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 0.38 | 10.00 | 253.13 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | 0.75 | 7.00 | (57.75) | |
| | D-2 | | -2 | 3.50 | 0.38 | 7.00 | (18.38) | |
| | D-2 | | -8 | 2.50 | 0.38 | 7.00 | (52.50) | |
| | W-1 | | -4 | 6.50 | 0.75 | 2.50 | (48.75) | |
| | V-1 | | -10 | 2.00 | 0.75 | 2.00 | (30.00) | |
| | | | | | | **Total:** | **1,617.86** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.33 | 130.68 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.33 | 72.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.33 | 34.16 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.33 | 50.86 | |
| | | | | | | **Total:** | **323.65** | **Cft** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 15 | **Superb Quality Ceramic tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | | 396.00 | |
| | W.C | | 10 | 3.50 | 6.25 | | 218.75 | |
| | W.C | | 2 | 8.67 | 6.25 | | 108.38 | |
| | | | | | | **Total** | **723.13** | Sft |
| 16 | **Wall skirting/dado** | | | | | | | |
| | Male & Female Toilet | | 4 | 24.00 | | 7.00 | 672.00 | |
| | | | 4 | 8.25 | | 7.00 | 231.00 | |
| | W.C | | 16 | 3.50 | | 7.00 | 392.00 | |
| | | | 16 | 6.25 | | 7.00 | 700.00 | |
| | W.C | | 4 | 8.67 | | 7.00 | 242.76 | |
| | | | 4 | 6.25 | | 7.00 | 175.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | D-2 | | -8 | 3.50 | | 7.00 | -196.00 | |
| | D-3 | | -8 | 2.50 | | 7.00 | -140.00 | |
| | | | | | | **Total** | **1,999.76** | Sft |
| 17 | **Non-Skid Chequred Tiles Ramp** | | | | | | | |
| | Ramp | | 2 | 18.00 | 5.00 | | 180.00 | |
| | | | | | | **Total** | **180.00** | Sft |
| 18 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | Podium | | 1 | 15.00 | 4.50 | | 67.50 | |
| | 1st Treads | | 2 | 15.00 | 1.00 | | 30.00 | |
| | 1st Riser | | 2 | 15.00 | | 0.50 | 15.00 | |
| | **Window Sills** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-1 | | 4 | 6.50 | 1.00 | | 26.00 | |
| | V-1 | | 10 | 2.00 | 1.00 | | 20.00 | |
| | Vanity shelf | | 2 | 16.00 | 2.00 | | 64.00 | |
| | | | | | | **Total** | **222.50** | Sft |
| 19 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | avg | | |
| | Male & Female Toilet | | 4 | 24.00 | | 8.50 | 816.00 | |
| | | | 4 | 8.25 | | 8.50 | 280.50 | |
| | W.C | | 16 | 3.50 | | 7.00 | 392.00 | |
| | | | 16 | 6.25 | | 7.00 | 700.00 | |
| | W.C | | 4 | 8.67 | | 7.00 | 242.76 | |
| | | | 4 | 6.25 | | 7.00 | 175.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | D-2 | | -2 | 3.50 | | 7.00 | -49.00 | |
| | D-2 | | -8 | 2.50 | | 7.00 | -140.00 | |
| | W-1 | | -4 | 6.50 | | 2.50 | -65.00 | |
| | V-1 | | -10 | 2.00 | | 2.00 | -40.00 | |
| | | | | | | **Total** | **2,235.26** | Sft |
| 20 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | Long Wall A | | 1 | 144.00 | Rft | 10.00 | 1,440.00 | |
| | | | | | | **Total** | **1,440.00** | Sft |
| 21 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 2,235.26 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **2,235.26** | Sft |
| 22 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 | |
| | | | | | | **Total** | **77.00** | Sft |
| 23 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 | |
| | | | | | | **Total** | **77.00** | Sft |
| 24 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 25 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 1,440.00 | |
| | | | | | | **Total** | **1,440.00** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 4 | 6.50 | | 2.50 | 65.00 | |
| | V-1 | | 10 | 2.00 | | 2.00 | 40.00 | |
| | | | | | | **Total** | **105.00** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 105.00 | 50% | | 52.50 | |
| | | | | | | **Total** | **52.50** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 105.00 | | | 105.00 | |
| | | | | | | **Total** | **105.00** | Sft |
| 30 | **M.S. Stair Railing** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ramp Railing | | 2 | 12.00 | | | 24.00 | |
| | | | | | | **Total** | **24.00** | Rft |
| 31 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | | 1 | 54.25 | 26.00 | | 1,410.50 | |
| | | | | | | **Total** | **1,410.50** | Sft |
| 32 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 8 | 54.25 | 1.00 | 0.02 | 9.11 | Cft |
| | Cleat Angle 1 1/2"x1 1/2:x1/4" | 1 | 8 | 54.25 | 0.25 | 0.02 | 2.28 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 14 | 1.25 | 1.25 | 0.04 | 0.92 | Cft |
| | J Bolts 3/4" dia | 4 | 14 | 0.0031 | Area | 2.00 | 0.34 | Cft |
| | | | | | | **Total** | **45.12** | Cft |
| | | | | **45.12** | Lbs Per cft | **490.00** | **22,107.90** | Lbs |
| | | | | | | **Total** | **10,030.81** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **11,033.89** | Kg |
| 33 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 1,410.50 | | | 2,821.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1410.50 | |
| | | | | | | **Total** | **4,231.50** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Parking**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 34 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 5.50 | | 302.50 | |
| | Short Wall A | | 3 | 10.50 | 5.50 | | 173.25 | |
| | Long Wall B | | 1 | 55.00 | 11.00 | | 605.00 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 2.50 | | 137.50 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 2.50 | | 65.00 | |
| | **sides** | | | | | | | |
| | Long Wall A | | 2 | 55.00 | | 3.25 | 357.50 | |
| | Short Wall A | | 6 | 10.50 | | 3.25 | 204.75 | |
| | Long Wall B | | 2 | 55.00 | | 3.25 | 357.50 | |
| | 4 1/2" thick Wall Footing | | 2 | 55.00 | | 3.25 | 357.50 | |
| | 4 1/2" thick Wall Footing | | 16 | 3.25 | | 3.25 | 169.00 | |
| | **Under Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | | 396.00 | |
| | W.C | | 10 | 3.50 | 6.25 | | 218.75 | |
| | W.C | | 2 | 8.67 | 6.25 | | 108.38 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | | 103.50 | |
| | Podium | | 2 | 17.13 | 4.50 | | 154.13 | |
| | | | | | | **Total:** | **3,710.25** | **Sft** |
| NS-1 | **Artifical Cladding** | | | | | Avg | | |
| | | | 1 | 144.00 | | 10.00 | 1,440.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | W-1 | | -4 | 6.50 | | 2.50 | -65.00 | |
| | V-1 | | -10 | 2.00 | | 2.00 | -40.00 | |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Construction of Toilet Blocks (6+6) Near Resturent

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 16,800,000 | |
| | **Net Total** | **16,800,000** | **16,800,000** |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 3,010.41 | 15.82 | 47,625 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 1,505.21 | 7.54 | 11,349 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 7,230.00 | 16.02 | 115,825 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 264.93 | 375.16 | 99,391 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 323.65 | 122.43 | 39,624 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 166.73 | 497.23 | 82,902 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- - (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 278.43 | 694.70 | 193,425 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 549.58 | 841.70 | 462,579 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 3,169.17 | 303.39 | 961,495 |
| 10 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 273.37 | 133.58 | 36,516 |
| 11 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 238.74 | 81.92 | 19,558 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,151.40 | 345.45 | 397,752 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 1,617.86 | 358.06 | 579,292 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 323.65 | 41.07 | 13,292 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 15 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 723.13 | 312.65 | 226,085 |
| 16 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 1,999.76 | 384.70 | 769,308 |
| 17 | 10/46-c(i) | Providing and laying superb quality Porcelain glazed tiles **flooring** of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the jointsi/ccutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequred Tiles (i) 300mmx300 mm | P.Sft | 180.00 | 272.45 | 49,041 |
| 18 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 222.50 | 1,233.15 | 274,376 |
| | **11. SURFACE RENDERING** | | | | | |
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,235.26 | 46.18 | 103,224 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,440.00 | 62.00 | 89,280 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 2,235.26 | 3.93 | 8,785 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 2,235.26 | 8.76 | 19,581 |
| | | ii) two coats | P.Sft | 2,235.26 | 12.12 | 27,091 |
| | **12. WOOD WORK** | | | | | |
| 22 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 77.00 | 950.00 | 73,150 |
| 23 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 77.00 | 756.80 | 58,274 |
| 24 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 2.00 | 178.30 | 357 |
| 25 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 2.00 | 4,400.25 | 8,801 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,440.00 | 47.26 | 68,054 |
| | | **ii) 2nd coat** | P.Sft | 1,440.00 | 26.52 | 38,189 |
| | **25. IRON WORK** | | | | | |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 27 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 105.00 | 1,306.55 | 137,188 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 52.50 | 542.80 | 28,497 |
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 105.00 | 1,192.50 | 125,213 |
| 30 | 25/64 | Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge. | P.Rft | 24.00 | 3,346.10 | 80,306 |
| 31 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | 75 mm thick | P.Sft | 1,410.50 | 1,648.65 | 2,325,421 |
| 32 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 11,033.89 | 389.22 | 4,294,610 |
| 33 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4,231.50 | 11.91 | 50,397 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 4,231.50 | 24.24 | 102,572 |

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **26. MISCELLANEOUS** | | | | | |
| 34 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,710.25 | 12.55 | 46,564 |
| 35 | NS-1 | Providing and fixing 2" thick WPC (wood plastic composite) solid door enviroment friendly complete in all respect as approved by Engineer Incharge. | P.Sft | 189.00 | 1,750.00 | 330,750 |
| 36 | NS-2 | Providing and fixing wood plastic composite WPC architrave 3" x (3/4" tapered to ¼") all along the door frame complete in all respect. | P.Sft | 378.00 | 350.00 | 132,300 |
| | | **Total for Each** | | | | **12,528,037** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **4,271,963** |
| | | **NON-SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **16,800,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 3.00 | 3.00 | 1,572.75 | |
| | Short Wall A | | 3 | 21.33 | 3.00 | 3.00 | 575.91 | |
| | Long Wall B | | 1 | 58.25 | 3.00 | 3.00 | 524.25 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 2.50 | 2.00 | 337.50 | |
| | | | | | | **Total:** | **3,010.41** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 3,010.41 | | | **1505.21** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 14.00 | 6.00 | 4032.00 | |
| | W.C | | 10 | 3.50 | 6.25 | 6.00 | 1312.50 | |
| | W.C | | 2 | 8.67 | 6.25 | 6.00 | 650.25 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 3.00 | 310.50 | |
| | Podium | | 2 | 17.13 | 4.50 | 6.00 | 924.75 | |
| | | | | | | **Total:** | **7,230.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 3.00 | 0.25 | 131.06 | |
| | Short Wall A | | 3 | 21.33 | 3.00 | 0.25 | 47.99 | |
| | Long Wall B | | 1 | 58.25 | 3.00 | 0.25 | 43.69 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 2.50 | 0.25 | 42.19 | |
| | | | | | | **Total:** | **264.93** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.33 | 130.68 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.33 | 72.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.33 | 34.16 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.33 | 50.86 | |
| | | | | | | **Total:** | **323.65** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.17 | 67.32 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.17 | 37.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.17 | 18.42 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.17 | 17.60 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.17 | 26.20 | |
| | | | | | | **Total:** | **166.73** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 2.50 | 0.33 | 144.17 | |
| | Short Wall A | | 3 | 21.33 | 2.50 | 0.33 | 52.79 | |
| | Long Wall B | | 1 | 58.25 | 2.50 | 0.33 | 48.06 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 1.50 | 0.33 | 33.41 | |
| | | | | | | **Total:** | **278.43** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | 0.75 | 0.75 | 65.53 | |
| | Short Wall A | | 2 | 21.33 | 0.75 | 0.75 | 24.00 | |
| ii | **Lintel Band** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | 0.75 | 0.75 | 65.53 | |
| | Short Wall A | | 2 | 21.33 | 0.75 | 0.75 | 24.00 | |
| iii | **Roof Band** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | 0.75 | 0.75 | 65.53 | |
| | Short Wall A | | 2 | 21.33 | 0.75 | 0.75 | 24.00 | |
| iv | **Pedestal** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | P-1 | | 14 | 1.50 | 1.50 | 8.25 | 259.88 | |
| | self | | 2 | 16.00 | 2.00 | 0.33 | 21.12 | |
| | | | | | | **Total** | **549.58** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 278.43 | 2.50 | Per Cft | 696.07 | |
| | Superstructural | | 1 | 549.58 | 4.50 | Per Cft | 2,473.10 | |
| | | | | | | **Total** | **3,169.17** | Kg |
| 10 | **Horizontal DPC** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 0.75 | | 131.06 | |
| | Short Wall A | | 3 | 21.33 | 0.75 | | 47.99 | |
| | Long Wall B | | 1 | 58.25 | 0.75 | | 43.69 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 0.75 | | 50.63 | |
| | | | | | | **Total:** | **273.37** | Sft |
| 11 | **Vertical DPC** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | | 1.50 | 174.75 | |
| | Short Wall A | | 2 | 21.33 | | 1.50 | 63.99 | |
| | | | | | | **Total:** | **238.74** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 1.50 | 0.50 | 262.13 | |
| | Short Wall A | | 3 | 21.33 | 1.50 | 0.50 | 95.99 | |
| | Long Wall B | | 1 | 58.25 | 1.50 | 0.50 | 87.38 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 1.13 | 0.50 | 75.94 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 1.13 | 0.50 | 196.59 | |
| | Short Wall A | | 3 | 21.33 | 1.13 | 0.50 | 71.99 | |
| | Long Wall B | | 1 | 58.25 | 1.13 | 0.50 | 65.53 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 0.75 | 8.00 | 50.63 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 3 | 58.25 | 0.75 | 6.50 | 131.06 | |
| | Short Wall A | | 3 | 21.33 | 0.75 | 6.50 | 47.99 | |
| | Long Wall B | | 1 | 58.25 | 0.75 | 6.50 | 43.69 | |
| | Ent Steps | | | | | | | |
| | 1st Steps | | 1 | 15.00 | 2.00 | 0.50 | 15.00 | |
| | 2nd Steps | | 1 | 15.00 | 1.00 | 0.50 | 7.50 | |
| | | | | | | **Total:** | **1,151.40** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Long Wall A | | 2 | 58.25 | 0.75 | 10.00 | 873.75 | |
| | Short Wall A | | 3 | 21.33 | 0.75 | 10.00 | 479.93 | |
| | Long Wall B | | 1 | 58.25 | 0.38 | 10.00 | 218.44 | |
| | 4 1/2" thick Wall Footing | | 10 | 6.75 | 0.38 | 10.00 | 253.13 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | 0.75 | 7.00 | (57.75) | |
| | D-2 | | -2 | 3.50 | 0.38 | 7.00 | (18.38) | |
| | D-2 | | -8 | 2.50 | 0.38 | 7.00 | (52.50) | |
| | W-1 | | -4 | 6.50 | 0.75 | 2.50 | (48.75) | |
| | V-1 | | -10 | 2.00 | 0.75 | 2.00 | (30.00) | |
| | | | | | | **Total:** | **1,617.86** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | 0.33 | 130.68 | |
| | W.C | | 10 | 3.50 | 6.25 | 0.33 | 72.19 | |
| | W.C | | 2 | 8.67 | 6.25 | 0.33 | 35.76 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | 0.33 | 34.16 | |
| | Podium | | 2 | 17.13 | 4.50 | 0.33 | 50.86 | |
| | | | | | | **Total:** | **323.65** | **Cft** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 15 | **Superb Quality Ceramic tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | | 396.00 | |
| | W.C | | 10 | 3.50 | 6.25 | | 218.75 | |
| | W.C | | 2 | 8.67 | 6.25 | | 108.38 | |
| | | | | | | **Total** | **723.13** | Sft |
| 16 | **Wall skirting/dado** | | | | | | | |
| | Male & Female Toilet | | 4 | 24.00 | | 7.00 | 672.00 | |
| | | | 4 | 8.25 | | 7.00 | 231.00 | |
| | W.C | | 16 | 3.50 | | 7.00 | 392.00 | |
| | | | 16 | 6.25 | | 7.00 | 700.00 | |
| | W.C | | 4 | 8.67 | | 7.00 | 242.76 | |
| | | | 4 | 6.25 | | 7.00 | 175.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | D-2 | | -8 | 3.50 | | 7.00 | -196.00 | |
| | D-3 | | -8 | 2.50 | | 7.00 | -140.00 | |
| | | | | | | **Total** | **1,999.76** | Sft |
| 17 | **Non-Skid Chequred Tiles Ramp** | | | | | | | |
| | Ramp | | 2 | 18.00 | 5.00 | | 180.00 | |
| | | | | | | **Total** | **180.00** | Sft |
| 18 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | Podium | | 1 | 15.00 | 4.50 | | 67.50 | |
| | 1st Treads | | 2 | 15.00 | 1.00 | | 30.00 | |
| | 1st Riser | | 2 | 15.00 | | 0.50 | 15.00 | |
| | **Window Sills** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-1 | | 4 | 6.50 | 1.00 | | 26.00 | |
| | V-1 | | 10 | 2.00 | 1.00 | | 20.00 | |
| | Vanity shelf | | 2 | 16.00 | 2.00 | | 64.00 | |
| | | | | | | **Total** | **222.50** | Sft |
| 19 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | avg | | |
| | Male & Female Toilet | | 4 | 24.00 | | 8.50 | 816.00 | |
| | | | 4 | 8.25 | | 8.50 | 280.50 | |
| | W.C | | 16 | 3.50 | | 7.00 | 392.00 | |
| | | | 16 | 6.25 | | 7.00 | 700.00 | |
| | W.C | | 4 | 8.67 | | 7.00 | 242.76 | |
| | | | 4 | 6.25 | | 7.00 | 175.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | D-2 | | -2 | 3.50 | | 7.00 | -49.00 | |
| | D-2 | | -8 | 2.50 | | 7.00 | -140.00 | |
| | W-1 | | -4 | 6.50 | | 2.50 | -65.00 | |
| | V-1 | | -10 | 2.00 | | 2.00 | -40.00 | |
| | | | | | | **Total** | **2,235.26** | Sft |
| 20 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | Long Wall A | | 1 | 144.00 | Rft | 10.00 | 1,440.00 | |
| | | | | | | **Total** | **1,440.00** | Sft |
| 21 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 2,235.26 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total** | **2,235.26** | Sft |
| 22 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 | |
| | | | | | | **Total** | **77.00** | Sft |
| 23 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.50 | | 7.00 | 77.00 | |
| | | | | | | **Total** | **77.00** | Sft |
| 24 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 25 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 2 | | | | 2.00 | |
| | | | | | | **Total** | **2.00** | **No** |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 1,440.00 | |
| | | | | | | **Total** | **1,440.00** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 4 | 6.50 | | 2.50 | 65.00 | |
| | V-1 | | 10 | 2.00 | | 2.00 | 40.00 | |
| | | | | | | **Total** | **105.00** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 105.00 | 50% | | 52.50 | |
| | | | | | | **Total** | **52.50** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 105.00 | | | 105.00 | |
| | | | | | | **Total** | **105.00** | Sft |
| 30 | **M.S. Stair Railing** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ramp Railing | | 2 | 12.00 | | | 24.00 | |
| | | | | | | **Total** | **24.00** | Rft |
| 31 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | | 1 | 54.25 | 26.00 | | 1,410.50 | |
| | | | | | | **Total** | **1,410.50** | Sft |
| 32 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom G-1 Box 6"x6"x1/2" | 1 | 7 | 26.00 | 2.17 | 0.04 | 16.59 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 8 | 54.25 | 1.00 | 0.02 | 9.11 | Cft |
| | Cleat Angle 1 1/2"x1 1/2:x1/4" | 1 | 8 | 54.25 | 0.25 | 0.02 | 2.28 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 14 | 9.00 | 3.00 | 0.04 | 15.88 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 14 | 1.25 | 1.25 | 0.04 | 0.92 | Cft |
| | J Bolts 3/4" dia | 4 | 14 | 0.0031 | Area | 2.00 | 0.34 | Cft |
| | | | | | | **Total** | **45.12** | Cft |
| | | | | **45.12** | Lbs Per cft | **490.00** | **22,107.90** | Lbs |
| | | | | | | **Total** | **10,030.81** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **11,033.89** | Kg |
| 33 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 1,410.50 | | | 2,821.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1410.50 | |
| | | | | | | **Total** | **4,231.50** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Toilet Blocks (6+6) Near Resturent**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 34 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Long Wall A | | 1 | 55.00 | 5.50 | | 302.50 | |
| | Short Wall A | | 3 | 10.50 | 5.50 | | 173.25 | |
| | Long Wall B | | 1 | 55.00 | 11.00 | | 605.00 | |
| | 4 1/2" thick Wall Footing | | 1 | 55.00 | 2.50 | | 137.50 | |
| | 4 1/2" thick Wall Footing | | 8 | 3.25 | 2.50 | | 65.00 | |
| | **sides** | | | | | | | |
| | Long Wall A | | 2 | 55.00 | | 3.25 | 357.50 | |
| | Short Wall A | | 6 | 10.50 | | 3.25 | 204.75 | |
| | Long Wall B | | 2 | 55.00 | | 3.25 | 357.50 | |
| | 4 1/2" thick Wall Footing | | 2 | 55.00 | | 3.25 | 357.50 | |
| | 4 1/2" thick Wall Footing | | 16 | 3.25 | | 3.25 | 169.00 | |
| | **Under Floor** | | | | | | | |
| | Male & Female Toilet | | 2 | 24.00 | 8.25 | | 396.00 | |
| | W.C | | 10 | 3.50 | 6.25 | | 218.75 | |
| | W.C | | 2 | 8.67 | 6.25 | | 108.38 | |
| | Ramp & Ent Area | | 2 | 11.50 | 4.50 | | 103.50 | |
| | Podium | | 2 | 17.13 | 4.50 | | 154.13 | |
| | | | | | | **Total:** | **3,710.25** | **Sft** |
| NS-1 | **Artifical Cladding** | | | | | Avg | | |
| | | | 1 | 144.00 | | 10.00 | 1,440.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.50 | | 7.00 | -77.00 | |
| | W-1 | | -4 | 6.50 | | 2.50 | -65.00 | |
| | V-1 | | -10 | 2.00 | | 2.00 | -40.00 | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**SUMMARY OF COST**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **Schedule items** | | | |
| 1 | CIVIL WORK | 50,380,000 | |
| | **Sub Total** | **50,380,000** | |
| | **Grand.Total** | **50,380,000** | **50,380,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual. ii) in ordinary soil. | P.Cft | 16,868.00 | 15.82 | 266,852 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 8,434.00 | 7.54 | 63,592 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 7,495.20 | 16.02 | 120,073 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 778.63 | 375.16 | 292,109 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 1,607.12 | 122.43 | 196,760 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 758.88 | 497.23 | 377,338 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a)(i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 5,046.69 | 694.70 | 3,505,936 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 1,385.16 | 841.70 | 1,165,886 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 23,896.62 | 303.39 | 7,249,995 |
| 10 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 137.25 | 133.58 | 18,334 |
| 11 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 274.50 | 81.92 | 22,487 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 2,514.83 | 345.45 | 868,749 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 2,281.50 | 358.06 | 816,914 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 1,425.60 | 41.07 | 58,549 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 15 | 10/16 i | Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (i) 3"(75 mm) thick | P.Sft | 804.00 | 166.54 | 133,898 |
| 15 | 10- 23-a | 1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete,including rubbing and polishing complete with finishing :<br>-(a) using grey cement | P.Sft | 165.00 | 298.76 | 49,295 |
| 17 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 4,355.86 | 312.65 | 1,361,859 |
| 18 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 285.50 | 384.70 | 109,832 |
| 19 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 360.00 | 1,233.15 | 443,934 |
| | **11. SURFACE RENDERING** | | | | | |
| 20 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 4,274.25 | 46.18 | 197,385 |
| 21 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Ground Floor | P.Sft | 3,024.00 | 62.00 | 187,488 |
| | **12. WOOD WORK** | | | | | |
| 22 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | | | | |
| | | | P.Sft | 108.00 | 756.80 | 81,734 |
| 23 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 108.00 | 950.00 | 102,600 |
| 24 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 4.00 | 4,400.25 | 17,601 |
| 25 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 4.00 | 178.30 | 713 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 3,024.00 | 47.26 | 142,914 |
| | | **ii) 2nd coat** | P.Sft | 3,024.00 | 26.52 | 80,196 |
| | **25. IRON WORK** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 27 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 43.00 | 1,306.55 | 56,182 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 21.50 | 542.80 | 11,670 |
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 43.00 | 1,191.85 | 51,250 |
| 30 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 2,551.50 | 1,648.65 | 4,206,530 |
| 31 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 20,000.00 | 389.22 | 7,784,400 |

**#REF!**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 32 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 7,654.50 | 11.91 | 91,165 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 7,654.50 | 24.24 | 185,545 |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **26. MISCELLANEOUS** | | | | | |
| 33 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 4,949.00 | 12.55 | 62,110 |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **19,998,124** |
| | | | | | **Total** | **50,380,000** |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | | 2 | 73.50 | 16.50 | 6.00 | 14,553.00 | |
| | Walls | | 2 | 44.00 | 3.50 | 3.00 | 924.00 | |
| | Walls | | 1 | 95.00 | 3.00 | 3.00 | 855.00 | |
| | Plinth Protection | | | | | | - | |
| | Out Side | | 1 | 268.00 | 2.00 | 1.00 | 536.00 | |
| | | | | | | **Total:** | **16,868.00** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 16,868.00 | | | **8,434.00** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Information Centre | | 1 | 72.00 | 60.00 | 4.00 | 17,280.00 | |
| | Planter | | 1 | 24.00 | 3.00 | 2.00 | 144.00 | |
| | Planter | | 1 | 8.00 | 3.00 | 2.00 | 48.00 | |
| | Ramp | | 1 | 24.00 | 6.00 | 1.00 | 144.00 | |
| | | | -0.6 | 16,868.00 | | | (10,120.80) | |
| | | | | | | **Total:** | **7,495.20** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | F-1 | | 2 | 73.50 | 16.50 | 0.25 | 606.38 | |
| | Walls | | 2 | 44.00 | 3.50 | 0.25 | 77.00 | |
| | Walls | | 1 | 95.00 | 3.00 | 0.25 | 71.25 | |
| | Planter | | 1 | 24.00 | 3.00 | 0.25 | 18.00 | |
| | Planter | | 1 | 8.00 | 3.00 | 0.25 | 6.00 | |
| | | | | | | **Total:** | **778.63** | Cft |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 5 | **Brick or Stone Ballast 1½ " to 2" (40 mm to 50 mm in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Information Centre | | 1 | 72.00 | 60.00 | 0.33 | 1,425.60 | |
| | Ramp | | 1 | 24.00 | 6.00 | 0.33 | 47.52 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 268.00 | 2.00 | 0.25 | 134.00 | |
| | | | | | | **Total:** | **1,607.12** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Information Centre | | 1 | 72.00 | 60.00 | 0.17 | 734.40 | |
| | Ramp | | 1 | 24.00 | 6.00 | 0.17 | 24.48 | |
| | | | | | | **Total:** | **758.88** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | F-1 | | 2 | 73.50 | 16.50 | 2.00 | 4,851.00 | |
| | Walls | | 2 | 44.00 | 3.50 | 0.33 | 101.64 | |
| | Walls | | 1 | 95.00 | 3.00 | 0.33 | 94.05 | |
| | | | | | | **Total:** | **5,046.69** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1 | | 10 | 4.50 | 3.00 | 7.25 | 978.75 | |
| ii | **Plinth Bemas** | | | | | | | |
| | | | 1 | 250.00 | 1.50 | 1.00 | 375.00 | |
| iii | **Ground Floor Door Window Lintel** | | | | | | | |
| | D-1 | | 1 | 5.50 | 0.75 | 0.75 | 3.09 | |
| | D-2 | | 2 | 5.00 | 0.75 | 0.75 | 5.63 | |
| | D-3 | | 1 | 4.00 | 0.75 | 0.75 | 2.25 | |
| | W-1 | | 3 | 5.00 | 0.75 | 0.75 | 8.44 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| iv | **RCC in roof slab,** | | | | | | | |
| | shelf | | 1 | 24.00 | 2.00 | 0.25 | 12.00 | |
| | | | | | | **Total** | **1,385.16** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 5,046.69 | 3.50 | Per Cft | 17,663.42 | |
| | Superstructural | | 1 | 1,385.16 | 4.50 | Per Cft | 6,233.20 | |
| | | | | | | **Total** | **23,896.62** | Kg |
| 10 | **Horizontal DPC** | | | | | | | |
| | Walls | | 2 | 44.00 | 0.75 | | 66.00 | |
| | Walls | | 1 | 95.00 | 0.75 | | 71.25 | |
| | | | | | | **Total:** | **137.25** | Sft |
| 11 | **Vertical DPC** | | | | | | | |
| | Walls | | 2 | 44.00 | | 1.50 | 132.00 | |
| | Walls | | 1 | 95.00 | | 1.50 | 142.50 | |
| | | | | | | **Total:** | **274.50** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | F-1 Wall | | 2 | 73.50 | 2.25 | 0.50 | 165.38 | |
| | Walls | | 2 | 44.00 | 1.88 | 0.50 | 82.72 | |
| | Walls | | 1 | 95.00 | 1.88 | 0.50 | 89.30 | |
| | Planter | | 1 | 52.00 | 1.13 | 0.50 | 29.25 | |
| | Planter | | 1 | 14.00 | 1.13 | 0.50 | 7.88 | |
| | **2nd Steps** | | | | | | | |
| | F-1 Wall | | 2 | 73.50 | 1.88 | 0.50 | 137.81 | |
| | Walls | | 2 | 44.00 | 1.50 | 0.50 | 66.00 | |
| | Walls | | 1 | 95.00 | 1.50 | 0.50 | 71.25 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Planter | | 1 | 52.00 | 0.75 | 0.50 | 19.50 | |
| | Planter | | 1 | 14.00 | 0.75 | 0.50 | 5.25 | |
| | **3rd Steps** | | | | | | | |
| | F-1 Wall | | 2 | 73.50 | 1.50 | 4.00 | 882.00 | |
| | Walls | | 2 | 44.00 | 1.13 | 0.50 | 49.50 | |
| | Walls | | 1 | 95.00 | 1.13 | 0.50 | 53.44 | |
| | Planter | | 1 | 52.00 | 0.38 | 3.50 | 68.25 | |
| | Planter | | 1 | 14.00 | 0.38 | 3.50 | 18.38 | |
| | **4th Steps** | | | | | | | |
| | Walls | | 2 | 44.00 | 0.75 | 4.75 | 313.50 | |
| | Walls | | 1 | 95.00 | 0.75 | 4.75 | 338.44 | |
| | Entrance Steps | | | | | | | |
| | 1st Steps | | 1 | 39.00 | 3.00 | 0.50 | 58.50 | |
| | 2nd Steps | | 1 | 39.00 | 2.00 | 0.50 | 39.00 | |
| | 3rd steps | | 1 | 39.00 | 1.00 | 0.50 | 19.50 | |
| | | | | | | **Total:** | **2,514.83** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | F-1 Wall | | 2 | 73.50 | 1.50 | 3.50 | 771.75 | |
| | Server Room | | 1 | 14.00 | 1.50 | 11.00 | 231.00 | |
| | Server Room | | 1 | 12.00 | 1.50 | 11.00 | 198.00 | |
| | Server Room | | 1 | 14.00 | 0.75 | 11.00 | 115.50 | |
| | Server Room | | 1 | 12.00 | 0.38 | 11.00 | 49.50 | |
| | Bath | | 1 | 6.00 | 1.50 | 11.00 | 99.00 | |
| | Bath | | 1 | 6.00 | 0.38 | 11.00 | 24.75 | |
| | Bath | | 1 | 6.00 | 0.75 | 11.00 | 49.50 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ticketing Room | | 1 | 25.25 | 1.50 | 11.00 | 416.63 | |
| | Ticketing Room | | 1 | 21.50 | 1.50 | 11.00 | 354.75 | |
| | Planter | | 1 | 52.00 | 0.38 | 3.00 | 58.50 | |
| | Planter | | 1 | 14.00 | 0.38 | 3.00 | 15.75 | |
| | Deduction of Door & Window | | | | | | | |
| | D-1 | | -1 | 4.00 | 7.00 | 0.75 | (21.00) | |
| | D-2 | | -2 | 3.50 | 7.00 | 0.75 | (36.75) | |
| | D-3 | | -1 | 2.50 | 7.00 | 0.75 | (13.13) | |
| | W-2 | | -1 | 2.50 | 2.50 | 0.75 | (4.69) | |
| | W-1 | | -3 | 3.50 | 3.50 | 0.75 | (27.56) | |
| | | | | | | **Total:** | **2,281.50** | Cft |
| 14 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Information Centre | | 1 | 72.00 | 60.00 | 0.33 | 1,425.60 | |
| | | | | | | **Total:** | **1,425.60** | **Cft** |
| 15 | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 268.00 | 3.00 | | 804.00 | |
| | | | | | | **Total:** | **804.00** | **Sft** |
| 16 | **Mozaic flooring** | | | | | | | |
| | Planter | | 1 | 52.00 | 0.50 | | 26.00 | |
| | Planter | | 1 | 14.00 | 0.50 | | 7.00 | |
| | Planter walls | | 1 | 30.00 | | 3.00 | 90.00 | |
| | Planter walls | | 1 | 14.00 | | 3.00 | 42.00 | |
| | | | | | | **Total:** | **165.00** | Sft |
| 17 | **Superb Quality Ceramic tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Bath | | 1 | 5.63 | 6.38 | | 35.86 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Information Centre | | 1 | 72.00 | 60.00 | | 4,320.00 | |
| | | | | | | **Total** | **4,355.86** | Sft |
| 18 | **Wall skirting/dado** | | | | | | | |
| | Bath | | 2 | 5.63 | | 7.00 | 78.75 | |
| | | | 2 | 6.38 | | 7.00 | 89.25 | |
| | Server Room | | 2 | 14.00 | | 0.50 | 14.00 | |
| | | | 2 | 12.00 | | 0.50 | 12.00 | |
| | Ticketing Room | | 2 | 25.25 | | 0.50 | 25.25 | |
| | | | 2 | 10.00 | | 0.50 | 10.00 | |
| | Hall | | 2 | 63.00 | | 0.50 | 63.00 | |
| | Deduction of Door & Window | | | | | | | |
| | D-1 | | -1 | 4.00 | | 0.50 | (2.00) | |
| | D-2 | | -2 | 3.50 | | 0.50 | (3.50) | |
| | D-3 | | -1 | 2.50 | | 0.50 | (1.25) | |
| | | | | | | **Total** | **285.50** | Sft |
| 19 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | 1st Treads | | 3 | 39.00 | 1.00 | | 117.00 | |
| | 1st Riser | | 4 | 39.00 | | 0.50 | 78.00 | |
| | Ramp | | 1 | 24.00 | 6.00 | | 144.00 | |
| | **Window Sills** | | | | | | | |
| | W-1 | | 3 | 3.50 | 1.00 | | 10.50 | |
| | W-2 | | 1 | 2.50 | 1.00 | | 2.50 | |
| | Vanity shelf | | 1 | 4.00 | 2.00 | | 8.00 | |
| | | | | | | **Total** | **360.00** | Sft |
| 20 | **Internal Wall Plaster** | | | | | | | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Hall | | 2 | 63.00 | | 12.00 | 1,512.00 | |
| | | | 1 | 60.00 | | 12.00 | 720.00 | |
| | | | 2 | 20.50 | | 12.00 | 492.00 | |
| | Ticketing Room | | 2 | 10.00 | | 12.00 | 240.00 | |
| | | | 2 | 25.00 | | 12.00 | 600.00 | |
| | Bath | | 2 | 5.63 | | 12.00 | 135.00 | |
| | | | 2 | 6.38 | | 12.00 | 153.00 | |
| | Server Room | | 2 | 12.00 | | 12.00 | 288.00 | |
| | | | 1 | 20.00 | | 12.00 | 240.00 | |
| | Deduction of Door & Window | | | | | | | |
| | D-1 | | -1 | 4.00 | 7.00 | 0.75 | (21.00) | |
| | D-2 | | -2 | 3.50 | 7.00 | 0.75 | (36.75) | |
| | D-3 | | -1 | 3.00 | 7.00 | 0.75 | (15.75) | |
| | W-2 | | -1 | 2.50 | 2.50 | 0.75 | (4.69) | |
| | W-1 | | -3 | 3.50 | 3.50 | 0.75 | (27.56) | |
| | | | | | | **Total** | **4,274.25** | Sft |
| 21 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | Hall | | 1 | 252.00 | | 12.00 | 3,024.00 | |
| | | | | | | **Total** | **3,024.00** | Sft |
| 22 | **M.S chowkat Double Leaf** | | | | | | | |
| ii | **Double Leaf** | | | | | | | |
| | D-1 | | 1 | 4.00 | | 8.00 | 32.00 | |
| | D-2 | | 2 | 3.50 | | 8.00 | 56.00 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | D-3 | | 1 | 2.50 | | 8.00 | 20.00 | |
| | | | | | | **Total** | **108.00** | Sft |
| 23 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 1 | 4.00 | | 8.00 | 32.00 | |
| | D-2 | | 2 | 3.50 | | 8.00 | 56.00 | |
| | D-3 | | 1 | 2.50 | | 8.00 | 20.00 | |
| | | | | | | **Total** | **108.00** | Sft |
| 24 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 4 | | | | 4.00 | |
| | | | | | | **Total** | **4.00** | **No** |
| 25 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 4 | | | | 4.00 | |
| | | | | | | **Total** | **4.00** | **No** |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 3,024.00 | |
| | | | | | | **Total** | **3,024.00** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 3 | 3.50 | | 3.50 | 36.75 | |
| | W-2 | | 1 | 2.50 | | 2.50 | 6.25 | |
| | | | | | | **Total** | **43.00** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 43.00 | 0.50 | | 21.50 | |
| | | | | | | **Total** | **21.50** | Sft |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 43.00 | | | 43.00 | |
| | | | | | | **Total** | **43.00** | Sft |
| 30 | **Sand which Panel with insulation** | | | | | | | |
| i | Sheet Area | | 1 | 32.00 | 63.00 | | 2,016.00 | |
| | Gutter | | 2 | 4.25 | 63.00 | | 535.50 | |
| | | | | | | **Total** | **2,551.50** | Sft |
| 32 | **Fabrication of heavy steel work** | | | | | | | |
| | MS Rafter Top & Bottom side | 2 | 10 | 32.00 | 1.000 | 0.08 | 53.76 | Cft |
| | MS Rafter center side | 1 | 10 | 32.00 | 3.000 | 0.04 | 40.32 | Cft |
| | Channel Purlin center side | 2 | 12 | 64.75 | 1.333 | 0.04 | 87.02 | Cft |
| | M.S Base plate 50"x32" | 1 | 10 | 4.17 | 2.67 | 0.13 | 13.92 | Cft |
| | Columns | 1 | 10 | 11.00 | 5.000 | 0.04 | 23.10 | Cft |
| | **Plain Rowel Bolt in Columns** | 1 | 24 | 0.006 | Area | 3.50 | 0.47 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C S- Sec | 2 | 10 | 32.00 | 0.25 | 0.0208 | 3.33 | Cft |
| | | | | | | **Total** | **221.92** | Cft |
| | | | | **221.92** | Lbs Per cft | **490.00** | **108,740.79** | Lbs |
| | | | | | | **Total** | **49,337.93** | Kg |
| 32 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 2,551.50 | | | 5,103.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 2551.50 | |
| | | | | | | **Total** | **7,654.50** | Sft |
| 33 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |

**#REF!**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | F-1 | | 2 | 73.50 | 16.50 | | 2,425.50 | |
| | Walls | | 2 | 44.00 | 3.50 | | 308.00 | |
| | Walls | | 1 | 95.00 | 3.00 | | 285.00 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 268.00 | 1.13 | | 301.50 | |
| | **sides** | | | | | | | |
| | F-1 | | 4 | 73.50 | | 3.00 | 882.00 | |
| | | | 4 | 16.50 | | 3.00 | 198.00 | |
| | Walls | | 2 | 44.00 | | 3.00 | 264.00 | |
| | Walls | | 1 | 95.00 | | 3.00 | 285.00 | |
| | | | | | | **Total:** | **4,949.00** | **Sft** |

**23 Providing and laying floor of Terracotta tiles 12"x12"x1" thick of approved quality and shade laid in Grey cement and pigment over 3/4" bedding of cement sand mortar 1:2, incluidng finishing and complete.**

| | Detail | Unit Rate Per 100 Sft. | | | | |
|---|---|---|---|---|---|---|
| | | Qty | | Rate Per Unit (Rs.) | | Amount (Rs.) |
| **MATERIAL** | | | | | | |
| 1 | Terracotta tiles 12"x12"x1" | 105 | Nos. | 649.00 | Each | 68,145.00 |
| 2 | Cement Grey | 1.69 | Bags | 1360.00 | Per Bag | 2,298.40 |
| 3 | Sand | 4.00 | Cft. | 2900.00 | Per 100 Cft. | 116.00 |
| 4 | Pigment | 1.00 Lbs (0.45 Kg.) | | 225.00 | Per Kg. | 101.25 |
| 5 | Grey Cement | 0.08 | Bag | 1360.00 | Per Bag | 108.80 |
| | Total | | | | | **70,769.45** |
| | Contractor's 20 Percent | | | | | 14,153.89 |
| | Total | | | | | **84,923.34** |
| **LABOUR** | | | | | | |
| | Mason | 1.84 | No. | 18000.00 | Per day | 33,120.00 |
| | Cooly | 2.80 | No. | 1425.00 | Per day | 3,990.00 |
| | Bahishti | 0.34 | Nos. | 1440.00 | Per day | 489.60 |
| | Total | | | | | **37,599.60** |
| | Sundries 10 Percent | | | | | 3,759.96 |
| | Total | | | | | **41359.56** |
| | Contractor's 20 Percent | | | | | 8,271.91 |
| | Total | | | | | **49631.47** |
| **ITEM RATE** | | | | | | |
| | Labour Rate Per 100 Sft. | Rs. | | 49,631.47 | Say | **49630.00** |
| | Labour Rate Per Sqm. | Rs. | | 4,612.59 | Say | **4612.00** |
| | Composite Rate per 100 Sft. | Rs. | | 134,554.81 | Say | **134580.00** |
| | Composite Rate per Sqm. | Rs. | | 12,505.09 | Say | **5080.00** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Kids Play Zone & Dolphin Theme

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 80,000,000 | |
| | **Grand.Total** | **80,000,000** | **80,000,000** |

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## RESTAURANT

## SUMMARY OF COST

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **Schedule items** | | | |
| 1 | CIVIL WORK | 74,400,000 | |
| | **Sub Total** | **74,400,000** | |
| | **Grand.Total** | **74,400,000** | **74,400,000** |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual. ii) in ordinary soil. | P.Cft | 4,936.89 | 15.82 | 78,102 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 1,974.76 | 7.54 | 14,890 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 9,041.26 | 16.02 | 144,841 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 1,284.69 | 375.16 | 481,964 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 1,131.94 | 122.43 | 138,583 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 818.77 | 497.23 | 407,119 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a)(i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,143.53 | 694.70 | 794,412 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 10 | 6/6 ai 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 3,067.23 | 841.70 | 2,581,690 |
| 11 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 17,804.91 | 303.10 | 5,396,669 |
| 12 | 6/367aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 147.00 | 133.58 | 19,636 |
| 13 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 106.50 | 81.92 | 8,724 |
| | **7. BRICK WORK** | | | | | |
| 14 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 2,470.71 | 345.45 | 853,505 |
| 15 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 892.50 | 358.06 | 319,569 |
| | **10. FLOORING** | | | | | |
| 16 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 745.90 | 41.07 | 30,634 |
| 17 | 10/16 c | Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (i) 3"(75 mm) thick | P.Sft | 903.00 | 166.54 | 150,386 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 18 | 10- 23-a | 1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete,including rubbing and polishing complete with finishing :<br>-(a) using grey cement | Sft | 916.00 | 298.76 | 273,664 |
| 19 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (iii) 600mmx 600 mm | P.Sft | 2,260.31 | 450.10 | 1,017,367 |
| 20 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (iii) 600mmx 600 mm | P.Sft | 425.22 | 451.50 | 191,985 |
| 21 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 399.50 | 1,233.15 | 492,643 |
| | **11. SURFACE RENDERING** | | | | | |
| 22 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,842.61 | 46.18 | 131,271 |
| 23 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 850.00 | 62.00 | 52,700 |
| 24 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 2,842.61 | 3.93 | 11,171 |
| 25 | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 2,842.61 | 8.76 | 24,901 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | ii) two coats | P.Sft | 2,842.61 | 12.12 | 34,452 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: **i) 1st coat** | P.Sft | 850.00 | 47.26 | 40,171 |
| | | **ii) 2nd coat** | P.Sft | 850.00 | 26.52 | 22,542 |
| 27 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 15,779.50 | 1,648.65 | 26,014,873 |
| 28 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 30,000.00 | 389.22 | 11,676,600 |
| 29 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 47,338.50 | 11.91 | 563,802 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 94,677.00 | 24.24 | 2,294,970 |
| | **26. MISCELLANEOUS** | | | | | |
| 30 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 10,590.56 | 12.55 | 132,912 |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **20,003,252** |

**#REF!**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | | | | **Total** | **74,400,000** |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing F-1 | | 3 | 86.25 | 13.50 | 6.00 | 20,958.75 | |
| | Section A-A | | 4 | 7.25 | 3.50 | 3.00 | 304.50 | |
| | Plinth Protection | | | | | | - | |
| | Out Side | | 1 | 301.00 | 5.13 | 3.00 | 4,632.39 | |
| | | | | | | **Total:** | **4,936.89** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 40% | 4,936.89 | | | **1,974.76** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 23.13 | 39.25 | 4.00 | 3,630.63 | |
| | Reception | | 1 | 26.75 | 39.25 | 4.00 | 4,199.75 | |
| | Store | | 1 | 8.00 | 18.84 | 4.00 | 602.88 | |
| | Kitchen | | 1 | 8.00 | 19.00 | 4.00 | 608.00 | |
| | | | | | | **Total:** | **9,041.26** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing F-1 | | 3 | 86.25 | 13.50 | 0.25 | 873.28 | |
| | Section A-A | | 4 | 7.25 | 3.50 | 0.25 | 25.38 | |
| | Plinth Protection | | | | | 0.25 | - | |
| | Out Side | | 1 | 301.00 | 5.13 | 0.25 | 386.03 | |
| | | | | | | **Total:** | **1,284.69** | Cft |
| 5 | **Brick or Stone Ballast 1½ " to 2" (40 mm to 50 mm in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Sitting Hall | | 1 | 23.13 | 39.25 | 0.33 | 299.53 | |
| | Reception | | 1 | 26.75 | 39.25 | 0.33 | 346.48 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Store | | 1 | 8.00 | 18.84 | 0.33 | 49.74 | |
| | Kitchen | | 1 | 8.00 | 19.00 | 0.33 | 50.16 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 301.00 | 5.13 | 0.25 | 386.03 | |
| | | | | | | **Total:** | **1,131.94** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 48.00 | 53.25 | 0.17 | 434.52 | |
| | Sitting Hall | | 1 | 23.13 | 39.25 | 0.17 | 154.30 | |
| | Reception | | 1 | 26.75 | 39.25 | 0.17 | 178.49 | |
| | Store | | 1 | 8.00 | 18.84 | 0.17 | 25.62 | |
| | Kitchen | | 1 | 8.00 | 19.00 | 0.17 | 25.84 | |
| | | | | | | **Total:** | **818.77** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing F-1 | | 3 | 86.25 | 13.00 | 0.33 | 1,110.04 | |
| | Section A-A | | 4 | 7.25 | 3.50 | 0.33 | 33.50 | |
| | | | | | | **Total:** | **1,143.53** | Cft |
| 11 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1 | | 12 | 3.50 | 2.17 | 8.25 | 751.91 | |
| ii | **Plinth Bemas** | | | | | | | |
| | | | 6 | 19.25 | 1.50 | 1.75 | 303.19 | |
| | | | 4 | 16.50 | 1.50 | 1.75 | 173.25 | |
| iii | **Roof Bemas** | | | | | | | |
| | B-1 | | 17 | 21.00 | 1.25 | 1.50 | 669.38 | |
| | CB-1 | | 1 | 30.75 | 0.75 | 0.25 | 5.77 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| iv | **Ground Floor Door Window Lintel** | | | | | | | |
| | Roof Area (with Decking Sheet) | | 1 | 64.50 | 42.00 | 0.25 | 677.25 | |
| | Roof Area (with Decking Sheet) | | 0.5 | 64.50 | 42.00 | 0.25 | 338.63 | |
| | kitchen shelf | | 2 | 14.63 | 2.00 | 0.25 | 14.63 | |
| | D-2 | | 12 | 6.50 | 0.75 | 0.75 | 43.88 | |
| | D-3 | | 2 | 4.50 | 0.75 | 0.75 | 5.06 | |
| | D-4 | | 4 | 4.50 | 0.75 | 0.75 | 10.13 | |
| | D-5 | | 12 | 4.00 | 0.50 | 0.50 | 12.00 | |
| | D-6 | | 2 | 4.00 | 0.50 | 0.50 | 2.00 | |
| | W-1 | | 6 | 5.50 | 0.75 | 0.75 | 18.56 | |
| | W-2 | | 4 | 5.50 | 0.75 | 0.75 | 12.38 | |
| | W-3 | | 4 | 5.50 | 0.75 | 0.75 | 12.38 | |
| | W-4 | | 2 | 8.50 | 0.75 | 0.75 | 9.56 | |
| | W-5 | | 2 | 6.50 | 0.75 | 0.75 | 7.31 | |
| | | | | | | **Total** | **3,067.23** | Cft |
| 12 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,143.53 | 3.50 | Per Cft | 4,002.36 | |
| | Superstructural | | 1 | 3,067.23 | 4.50 | Per Cft | 13,802.55 | |
| | | | | | | **Total** | **17,804.91** | Kg |
| 13 | **Horizontal DPC** | | | | | | | |
| | Section B-B | | 4 | 27.00 | 0.75 | | 81.00 | |
| | Section B-B | | 2 | 17.00 | 0.75 | | 25.50 | |
| | Section C-C | | 2 | 27.00 | 0.75 | | 40.50 | |
| | | | | | | **Total:** | **147.00** | Sft |
| 14 | **Vertical DPC** | | | | | | | |
| | Section B-B | | 2 | 27.00 | | 1.50 | 81.00 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Section B-B | | 1 | 17.00 | | 1.50 | 25.50 | |
| | | | | | | **Total:** | **106.50** | Sft |
| 15 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Section A-A | | 2 | 70.00 | 2.25 | 0.50 | 157.50 | |
| | Section B-B | | 2 | 41.00 | 1.88 | 0.50 | 77.08 | |
| | **2nd Steps** | | | | | | | |
| | Section A-A | | 2 | 70.00 | 1.88 | 0.50 | 131.25 | |
| | Section B-B | | 2 | 41.00 | 1.50 | 0.50 | 61.50 | |
| | **3rd Steps** | | | | | | | |
| | Section A-A | | 2 | 70.00 | 1.50 | 4.50 | 945.00 | |
| | Section B-B | | 2 | 41.00 | 1.13 | 0.50 | 46.13 | |
| | **4th Steps** | | | | | | | |
| | Section B-B | | 2 | 41.00 | 0.75 | 4.00 | 246.00 | |
| | Section B-B | | 1 | 17.00 | 0.75 | 4.00 | 51.00 | |
| | Entrance Steps | | | | | | | |
| | 1st Steps | | 1 | 26.00 | 3.00 | 0.50 | 39.00 | |
| | 2nd Steps | | 1 | 26.00 | 2.00 | 0.50 | 26.00 | |
| | 3rd steps | | 1 | 26.00 | 1.00 | 0.50 | 13.00 | |
| | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 301.00 | 1.13 | 0.50 | 169.31 | |
| | Out Side | | 1 | 301.00 | 0.75 | 2.25 | 507.94 | |
| | | | | | | **Total:** | **2,470.71** | Cft |
| 16 | **Brick masonry in super structure** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Section A-A | | 2 | 85.00 | 1.50 | 3.50 | 892.50 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | | **Total:** | **892.50** | Cft |
| 17 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 23.13 | 39.25 | 0.33 | 299.53 | |
| | Reception | | 1 | 26.75 | 39.25 | 0.33 | 346.48 | |
| | Store | | 1 | 8.00 | 18.84 | 0.33 | 49.74 | |
| | Kitchen | | 1 | 8.00 | 19.00 | 0.33 | 50.16 | |
| | | | | | | **Total:** | **745.90** | **Cft** |
| 18 | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 301.00 | 3.00 | | 903.00 | |
| | | | | | | **Total:** | **903.00** | **Sft** |
| 19 | **Mozaic flooring** | | | | | | | |
| | Planter | | 2 | 10.50 | 5.00 | | 105.00 | |
| | Planter | | 1 | 287.50 | Sft | | 287.50 | |
| | Planter walls | | 4 | 10.50 | | 3.00 | 126.00 | |
| | | | 4 | 5.00 | | 3.00 | 60.00 | |
| | Planter walls | | 1 | 112.50 | | 3.00 | 337.50 | |
| | | | | | | **Total:** | **916.00** | Sft |
| 20 | **Porcelain (Wooden Texture Tile)** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 23.13 | 39.25 | | 907.66 | |
| | Reception | | 1 | 26.75 | 39.25 | | 1,049.94 | |
| | Store | | 1 | 8.00 | 18.84 | | 150.72 | |
| | Kitchen | | 1 | 8.00 | 19.00 | | 152.00 | |
| | | | | | | **Total** | **2,260.31** | Sft |
| 21 | **Wall skirting** | | | | | | | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Sitting Hall | | 2 | 23.13 | | 0.50 | 23.13 | |
| | | | 2 | 39.25 | | 0.50 | 39.25 | |
| | Reception | | 2 | 26.75 | | 0.50 | 26.75 | |
| | | | 2 | 39.25 | | 0.50 | 39.25 | |
| | Store | | 2 | 8.00 | | 0.50 | 8.00 | |
| | | | 2 | 18.84 | | 0.50 | 18.84 | |
| | Kitchen | | 2 | 8.00 | | 5.00 | 80.00 | |
| | | | 2 | 19.00 | | 5.00 | 190.00 | |
| | | | | | | **Total** | **425.22** | Sft |
| 22 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | 1st Treads | | 1 | 26.00 | 1.00 | | 26.00 | |
| | 2nd Treads | | 1 | 26.00 | 1.00 | | 26.00 | |
| | 1st Riser | | 1 | 26.00 | | 0.50 | 13.00 | |
| | 2nd Riser | | 1 | 26.00 | | 0.50 | 13.00 | |
| | 3rd Riser | | 1 | 26.00 | | 0.50 | 13.00 | |
| | **Stair Steps** | | | | | | | |
| | Treads | | 20 | 5.00 | 1.00 | | 100.00 | |
| | Risers | | 20 | 5.00 | | 0.50 | 50.00 | |
| | **Window Sills** | | | | | | | |
| | W-1 | | 6 | 4.00 | 1.00 | | 24.00 | |
| | W-2 | | 4 | 4.00 | 1.00 | | 16.00 | |
| | W-3 | | 4 | 4.00 | 1.00 | | 16.00 | |
| | W-4 | | 2 | 7.00 | 1.00 | | 14.00 | |
| | W-5 | | 6 | 5.00 | 1.00 | | 30.00 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Kitchen shelf | | 2 | 14.63 | 2.00 | | 58.50 | |
| | | | | | | **Total** | **399.50** | Sft |
| 23 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 2 | 23.13 | | 3.50 | 161.88 | |
| | | | 2 | 39.25 | | 11.00 | 863.50 | |
| | Reception | | 2 | 26.75 | | 3.50 | 187.25 | |
| | | | 2 | 39.25 | | 11.00 | 863.50 | |
| | Store | | 2 | 8.00 | | 11.00 | 176.00 | |
| | | | 2 | 18.84 | | 11.00 | 414.48 | |
| | Kitchen | | 2 | 8.00 | | 11.00 | 176.00 | |
| | | | | | | **Total** | **2,842.61** | Sft |
| 24 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 2 | 85.00 | | 5.00 | 850.00 | |
| | | | | | | **Total** | **850.00** | Sft |
| 25 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 2,842.61 | |
| | | | | | | **Total** | **2,842.61** | Sft |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 850.00 | |
| | | | | | | **Total** | **850.00** | Sft |
| 27 | **Sandwich Panels** | | | | | | | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | Sheet Area | | 2 | 71.00 | 28.00 | | 3,976.00 | |
| | Wall | | 2 | 280.00 | | 20.000 | 11,200.00 | |
| | Gutter | | 2 | 71.00 | 4.25 | | 603.50 | |
| | | | | | | **Total** | **15,779.50** | Sft |
| 28 | **Fabrication of heavy steel work** | | | | | | | |
| | MS Rafter center side | 8 | 1 | 30.00 | 0.025 | 1.48 | 8.86 | Cft |
| | MS Rafter Top & Bottom side | 8 | 2 | 30.00 | 0.50 | 0.035 | 8.48 | Cft |
| | Girder | 4 | 1 | 85.00 | 0.025 | 0.99 | 8.28 | Cft |
| | Gider Top & Bottom side | 4 | 2 | 85.00 | 0.67 | 0.043 | 19.47 | Cft |
| | Girder | 4 | 1 | 12.00 | 0.025 | 0.99 | 1.17 | Cft |
| | Gider Top & Bottom side | 4 | 2 | 12.00 | 0.67 | 0.043 | 2.75 | Cft |
| | Girder | 4 | 1 | 73.00 | 0.025 | 0.99 | 7.11 | Cft |
| | Gider Top & Bottom side | 4 | 2 | 73.00 | 0.67 | 0.043 | 16.72 | Cft |
| | Girder | 10 | 1 | 51.00 | 0.025 | 0.99 | 12.63 | Cft |
| | Gider Top & Bottom side | 10 | 2 | 51.00 | 0.67 | 0.043 | 29.20 | Cft |
| | Channel Purlin center side | 1 | 26 | 73.00 | 0.666 | 0.02 | 23.23 | Cft |
| | Channel Purlin top & bottom side | 2 | 26 | 73.00 | 0.19 | 0.032 | 23.06 | Cft |
| | Channel Purlin center side hight | 1 | 26 | 12.00 | 0.666 | 0.02 | 3.82 | Cft |
| | Channel Purlin top & bottom side hight | 2 | 26 | 12.00 | 0.19 | 0.032 | 3.79 | Cft |
| | M.S Base plate 2.67'*/2.16' , 1.5 inch thick C-1 | 1 | 24 | 2.67 | 2.16 | 0.13 | 17.30 | Cft |
| | M.S Base plate 1.16'*1.67' , 1 inch thick C-2 | 1 | 20 | 1.67 | 1.16 | 0.08 | 3.23 | Cft |
| | Columns 18*35 size | 1 | 24 | 6.50 | 0.025 | 1.48 | 5.76 | Cft |
| | Gider sides | 2 | 24 | 6.50 | 0.50 | 0.035 | 5.51 | Cft |
| | Columns 12*40 size | 1 | 20 | 8.50 | 0.025 | 0.99 | 4.14 | Cft |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Gider sides | 2 | 20 | 8.50 | 0.67 | 0.043 | 9.73 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 2 | 15 | 12.00 | 0.25 | 0.0208 | 1.88 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 2 | 4 | 60.00 | 0.25 | 0.0208 | 2.50 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 2 | 14 | 73.00 | 0.25 | 0.0208 | 10.65 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C Bothway | 2 | 19 | 51.00 | 0.25 | 0.0208 | 10.09 | Cft |
| | walls | | | | | | | |
| | M.S-L Iron Section forSupport of Pvc Pannel @4'*4' C/C in walls | 3 | 2 | 85.00 | 0.25 | 0.0208 | 2.66 | Cft |
| | M.S-L Iron Section forSupport of Pvc Pannel @3''*6' 1/8'' C/C in walls | 1 | 2 | 85.00 | 0.08 | 0.0104 | 0.15 | Cft |
| | | | | | | **Total** | **242.16** | Cft |
| | | | | **242.16** | Lbs Per cft | **490.00** | **118,656.09** | Lbs |
| | | | | | | **Total** | **53,836.70** | Kg |
| | **Plain Rowel Bolt in Columns** | | 44 | 6.00 | | 3.50 | 924.00 | Rft |
| | unit weight 1 inch dia | | | 924.00 | Kg Per Rft weight | 0.68 | 628.86 | Kg |
| | | | | | | **Total** | **628.86** | Kg |
| | | | | | | **Total** | **54,465.56** | Kg |
| 29 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 15,779.50 | | | 31,559.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 15779.50 | |
| | | | | | | **Total** | **47,338.50** | Sft |
| 30 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Footing F-1 | | 3 | 86.25 | 13.50 | | 3,493.13 | |
| | Section A-A | | 4 | 7.25 | 3.50 | | 101.50 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 301.00 | 1.13 | | 338.63 | |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Boating Deck

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 10,000,000 | |
| | **Grand.Total** | **10,000,000** | **10,000,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Fishing Deck

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 10,000,000 | |
| | **Grand.Total** | **10,000,000** | **10,000,000** |

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 57,000,000 | |
| | **Net Total** | **57,000,000** | **57,000,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 5,410.52 | 15.82 | 85,594.41 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 2,705.26 | 7.54 | 20,397.66 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 4,725.00 | 16.02 | 75,694.50 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 416.19 | 375.16 | 156,139.25 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 259.88 | 122.43 | 31,816.50 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 133.88 | 497.23 | 66,566.67 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 841.52 | 694.70 | 584,605.68 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 823.48 | 841.70 | 693,119.43 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 6,099.92 | 303.10 | 1,848,885.42 |
| | **7. BRICK WORK** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 2,236.70 | 345.45 | 772,666.94 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 802.07 | 358.06 | 287,188.74 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 259.88 | 41.07 | 10,673.07 |
| 13 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | P.Sft | 273.00 | 2,511.67 | 685,685.91 |
| 14 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 556.50 | 450.10 | 250,480.65 |
| 15 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 232.05 | 451.50 | 104,770.58 |
| 16 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 51.71 | 1,233.15 | 63,769.27 |
| | **11. SURFACE RENDERING** | | | | | |
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,069.43 | 46.18 | 49,386.05 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 900.90 | 62.00 | 55,855.80 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 1,122.90 | 3.93 | 4,412.98 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 1,122.90 | 8.76 | 9,836.57 |
| | | ii) two coats | P.Sft | 1,122.90 | 12.12 | 13,609.50 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 20 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 945.95 | 47.26 | 44,705.36 |
| | | **ii) 2nd coat** | P.Sft | 945.95 | 26.52 | 25,086.46 |
| | **25. IRON WORK** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 21 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 4.20 | 1,306.55 | 5,487.51 |
| 22 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 2.21 | 542.80 | 1,196.87 |
| 23 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 4.41 | 1,191.85 | 5,256.06 |
| 24 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,522.50 | 1,648.65 | 2,510,069.63 |
| 25 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 20,035.84 | 389.22 | 7,798,350.41 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 26 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4,567.50 | 11.91 | 54,398.93 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 4,567.50 | 24.24 | 110,716.20 |
| | **26. MISCELLANEOUS** | | | | | |
| 27 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 4,200.50 | 12.55 | 52,716.28 |
| 28 | NS-1 | Providing and fixing 2" thick WPC (wood plastic composite) solid door enviroment friendly complete in all respect as approved by Engineer Incharge. | P.Sft | 17.50 | 1,750.00 | 30,625.00 |
| 29 | NS-2 | Providing and fixing wood plastic composite WPC architrave 3" x (3/4" tapered to ¼") all along the door frame complete in all respect. | P.Sft | 35.00 | 350.00 | 12,250.00 |
| | | **Total Cost for Each** | | | | **16,522,014** |
| | | **Total Cost for 3 Nos.** | | | | **49,566,043** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **7,433,957** |
| | | **G-Total** | | | | **57,000,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing | | 1 | 90.00 | 7.00 | 3.25 | 2,047.50 | |
| | Footing Wall A | | 1 | 215.00 | 3.50 | 3.25 | 2,445.63 | |
| | Footing Wall B | | 1 | 58.00 | 3.50 | 3.25 | 659.75 | |
| | | | | | **Add 5%** | **Total:** | **5,410.52** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 5,410.52 | | | **2,705.26** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | 6.00 | 2,940.00 | |
| | Duck Area | | 1 | 260.00 | Area | 6.00 | 1,560.00 | |
| | | | | | **Add 5%** | **Total:** | **4,725.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing | | 1 | 90.00 | 7.00 | 0.25 | 157.50 | |
| | Footing Wall A | | 1 | 215.00 | 3.50 | 0.25 | 188.13 | |
| | Footing Wall B | | 1 | 58.00 | 3.50 | 0.25 | 50.75 | |
| | | | | | **Add 5%** | **Total:** | **416.19** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | 0.33 | 161.70 | |
| | Duck Area | | 1 | 260.00 | Area | 0.33 | 85.80 | |
| | | | | | | **Total:** | **259.88** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | 0.17 | 83.30 | |
| | Duck Area | | 1 | 260.00 | Area | 0.17 | 44.20 | |
| | | | | | **Add 5%** | **Total:** | **133.88** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing | | 1 | 90.00 | 6.50 | 0.67 | 391.95 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall A | | 1 | 215.00 | 3.00 | 0.50 | 322.50 | |
| | Footing Wall B | | 1 | 58.00 | 3.00 | 0.50 | 87.00 | |
| | | | | | **Add 5%** | **Total:** | **841.52** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 0.75 | 0.75 | 120.94 | |
| | Footing Wall B | | 1 | 58.00 | 0.75 | 0.75 | 32.63 | |
| ii | **Lintel Band** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 0.75 | 0.75 | 120.94 | |
| | Footing Wall B | | 1 | 58.00 | 0.75 | 0.75 | 32.63 | |
| iii | **Roof Band** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 0.75 | 0.75 | 120.94 | |
| | Footing Wall A | | 1 | 58.00 | 0.75 | 0.75 | 32.63 | |
| | Duck Slab | | 1 | 350.00 | Area | 0.25 | 87.50 | |
| | Duck Slab | | 50% | 350.00 | Area | 0.25 | 43.75 | |
| iv | **P-1** | | | | | | | |
| | | | 7 | 3.14 | Area | 8.75 | 192.33 | |
| | | | | | **Add 5%** | **Total** | **823.48** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 841.52 | 2.50 | Per Cft | 2,103.81 | |
| | Superstructural | | 1 | 823.48 | 4.50 | Per Cft | 3,705.64 | |
| | | | | | **Add 5%** | **Total** | **6,099.92** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 1.50 | 0.50 | 161.25 | |
| | Footing Wall A | | 1 | 58.00 | 1.50 | 0.50 | 43.50 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 1.13 | 0.50 | 120.94 | |
| | Footing Wall A | | 1 | 58.00 | 1.13 | 0.50 | 32.63 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **3rd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 0.75 | 8.50 | 1,370.63 | |
| | Footing Wall A | | 1 | 58.00 | 0.75 | 8.50 | 369.75 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 10.50 | 3.00 | 0.50 | 15.75 | |
| | 2nd step | | 1 | 10.50 | 2.00 | 0.50 | 10.50 | |
| | 3rd step | | 1 | 10.50 | 1.00 | 0.50 | 5.25 | |
| | | | | | **Add 5%** | **Total:** | **2,236.70** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 78.00 | 0.75 | 10.00 | 585.00 | |
| | Bath | | 2 | 8.00 | 0.75 | 10.00 | 120.00 | |
| | | | 2 | 5.00 | 0.75 | 10.00 | 75.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 2.50 | 0.75 | 7.00 | (13.13) | |
| | V-1 | | -1 | 2.00 | 0.75 | 2.00 | (3.00) | |
| | | | | | **Add 5%** | **Total:** | **802.07** | Cft |
| 12 | **Sand filling** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | 0.33 | 161.70 | |
| | Duck Area | | 1 | 260.00 | Area | 0.33 | 85.80 | |
| | | | | | **Add 5%** | **Total:** | **259.88** | **Cft** |
| 13 | **Shisham wood block flooring** | | | | | | | |
| | Duck Area | | 1 | 260.00 | Area | | 260.00 | |
| | | | | | **Add 5%** | **Total:** | **273.00** | **Sft** |
| 14 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | | 490.00 | |
| | Bath | | 1 | 8.00 | 5.00 | | 40.00 | |
| | | | | | **Add 5%** | **Total** | **556.50** | Sft |
| 15 | **Wall skirting** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ecologes | | 1 | 78.00 | | 0.50 | 39.00 | |
| | Bath | | 2 | 8.00 | | 7.00 | 112.00 | |
| | Bath | | 2 | 5.00 | | 7.00 | 70.00 | |
| | | | | | **Add 5%** | **Total** | **232.05** | Sft |
| 16 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | 1 | 10.50 | 1.00 | | 10.50 | |
| | | | 1 | 10.50 | 1.00 | | 10.50 | |
| | | | 1 | 10.50 | 1.00 | | 10.50 | |
| | Risers | | 1 | 10.50 | | 0.50 | 5.25 | |
| | | | 1 | 10.50 | | 0.50 | 5.25 | |
| | | | 1 | 10.50 | | 0.50 | 5.25 | |
| | V-1 | | 1 | 2.00 | 1.00 | | 2.00 | |
| | | | | | **Add 5%** | **Total** | **51.71** | Sft |
| 17 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 78.00 | | 10.00 | 780.00 | |
| | Bath | | 2 | 8.00 | | 10.00 | 160.00 | |
| | Bath | | 2 | 5.00 | | 10.00 | 100.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 2.50 | | 7.00 | (17.50) | |
| | V-1 | | -1 | 2.00 | | 2.00 | (4.00) | |
| | | | | | **Add 5%** | **Total** | **1,069.43** | Sft |
| 18 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 1 | 78.00 | | 11.00 | 858.00 | |
| | | | | | **Add 5%** | **Total** | **900.90** | Sft |
| 19 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Qty as per internal plaster of walls | | | | | | 1,069.43 | |
| | | | | | **Add 5%** | **Total** | **1,122.90** | Sft |
| 20 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 900.90 | |
| | | | | | **Add 5%** | **Total** | **945.95** | Sft |
| 21 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | V-1 | | 1 | 2.00 | | 2.00 | 4.00 | |
| | | | | | **Add 5%** | **Total** | **4.20** | Sft |
| 22 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 4.20 | 50% | | 2.10 | |
| | | | | | **Add 5%** | **Total** | **2.21** | Sft |
| 23 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 4.20 | | | 4.20 | |
| | | | | | **Add 5%** | **Total** | **4.41** | Sft |
| 24 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | 1 | 1 | 350.00 | Area | | 350.00 | |
| | Sheet Area | 1 | 1 | 1,100.00 | Area | | 1,100.00 | |
| | | | | | **Add 5%** | **Total** | **1,522.50** | Sft |
| 25 | **Fabrication of heavy steel work** | | | | | | | |
| | Bottom B-1 Box 6"x6"x1/2" | 1 | 6 | 10.25 | 2.00 | 0.042 | 5.17 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 6 | 11.00 | 2.00 | 0.042 | 5.54 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 1 | 96.00 | 2.00 | 0.042 | 8.06 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 1 | 128.00 | 2.00 | 0.042 | 10.75 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 6 | 23.00 | 2.00 | 0.042 | 11.59 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 12 | 20.50 | 2.00 | 0.042 | 20.66 | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Top Purlin 3"x6"x1/4" | 1 | 26 | 21.00 | 1.00 | 0.021 | 11.47 | Cft |
| | Top Purlin 3"x6"x1/4" | 1 | 26 | 7.25 | 1.00 | 0.021 | 3.96 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 7 | 0.3524 | Area | 0.042 | 0.10 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 7 | 1.56 | Area | 0.042 | 0.46 | Cft |
| | J Bolts 3/4" dia | 6 | 7 | 0.0031 | Area | 2.00 | 0.26 | Cft |
| | | | | | **Add 5%** | **Total** | **81.93** | Cft |
| | | | | **81.93** | Lbs Per cft | **490.00** | **40,144.54** | Lbs |
| | | | | | | **Total** | **18,214.40** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **20,035.84** | Kg |
| 26 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 1,522.50 | | | 3,045.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1522.50 | |
| | | | | | | **Total** | **4,567.50** | Sft |
| 27 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Footing | | 1 | 90.00 | 7.00 | | 90.00 | |
| | Footing Wall A | | 1 | 215.00 | 3.50 | | 752.50 | |
| | Footing Wall B | | 1 | 58.00 | 3.50 | | 203.00 | |
| | Footing | | 2 | 90.00 | | 3.25 | 585.00 | |
| | | | 2 | 7.00 | | 3.25 | 45.50 | |
| | Footing Wall A | | 2 | 215.00 | | 3.25 | 1,397.50 | |
| | Footing Wall B | | 2 | 58.00 | | 3.25 | 377.00 | |
| | **Under Floor** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | | 490.00 | |
| | Duck Area | | 1 | 260.00 | Area | | 260.00 | |
| | | | | | | **Total:** | **4,200.50** | **Sft** |
| NS-1 | **Wood Plastic Composite (WPC)** | | | | | | | |
| | D-2 | | 1 | 2.50 | | 7.00 | 17.50 | |
| | | | | | | **Total:** | **17.50** | **Sft** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| NS-2 | **WPC architrave 3"** | | | | | | | |
| | D-2 | | 2 | 2.50 | | 7.00 | 35.00 | |
| | | | | | | **Total:** | **35.00** | **Sft** |

**ROUGH COST ESTIMATE**

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## Construction of Ecolodges 3 Double Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 58,000,000 | |
| | **Net Total** | **58,000,000** | **58,000,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 5,410.52 | 15.82 | 85,594.41 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 2,705.26 | 7.54 | 20,397.66 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 4,725.00 | 16.02 | 75,694.50 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 416.19 | 375.16 | 156,139.25 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 259.88 | 122.43 | 31,816.50 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 133.88 | 497.23 | 66,566.67 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 841.52 | 694.70 | 584,605.68 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 823.48 | 841.70 | 693,119.43 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 6,099.92 | 303.10 | 1,848,885.42 |
| | **7. BRICK WORK** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 2,236.70 | 345.45 | 772,666.94 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 802.07 | 358.06 | 287,188.74 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 259.88 | 41.07 | 10,673.07 |
| 13 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | P.Sft | 273.00 | 2,511.67 | 685,685.91 |
| 14 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 556.50 | 450.10 | 250,480.65 |
| 15 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 232.05 | 451.50 | 104,770.58 |
| 16 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 51.71 | 1,233.15 | 63,769.27 |
| | **11. SURFACE RENDERING** | | | | | |
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,069.43 | 46.18 | 49,386.05 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 900.90 | 62.00 | 55,855.80 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 1,122.90 | 3.93 | 4,412.98 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 1,122.90 | 8.76 | 9,836.57 |
| | | ii) two coats | P.Sft | 1,122.90 | 12.12 | 13,609.50 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 20 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 945.95 | 47.26 | 44,705.36 |
| | | **ii) 2nd coat** | P.Sft | 945.95 | 26.52 | 25,086.46 |
| | **25. IRON WORK** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 21 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 4.20 | 1,306.55 | 5,487.51 |
| 22 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 2.21 | 542.80 | 1,196.87 |
| 23 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 4.41 | 1,191.85 | 5,256.06 |
| 24 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,522.50 | 1,648.65 | 2,510,069.63 |
| 25 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 20,035.84 | 389.22 | 7,798,350.41 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MIANWALI**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 26 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4,567.50 | 11.91 | 54,398.93 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 4,567.50 | 24.24 | 110,716.20 |
| | **26. MISCELLANEOUS** | | | | | |
| 27 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 4,200.50 | 12.55 | 52,716.28 |
| 28 | NS-1 | Providing and fixing 2" thick WPC (wood plastic composite) solid door enviroment friendly complete in all respect as approved by Engineer Incharge. | P.Sft | 17.50 | 1,750.00 | 30,625.00 |
| 29 | NS-2 | Providing and fixing wood plastic composite WPC architrave 3" x (3/4" tapered to ¼") all along the door frame complete in all respect. | P.Sft | 35.00 | 350.00 | 12,250.00 |
| | | **Total Cost for Each** | | | | **16,522,014** |
| | | **Total Cost for 3 Nos.** | | | | **49,566,043** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **8,433,957** |
| | | **G-Total** | | | | **58,000,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing | | 1 | 90.00 | 7.00 | 3.25 | 2,047.50 | |
| | Footing Wall A | | 1 | 215.00 | 3.50 | 3.25 | 2,445.63 | |
| | Footing Wall B | | 1 | 58.00 | 3.50 | 3.25 | 659.75 | |
| | | | | | **Add 5%** | **Total:** | **5,410.52** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 5,410.52 | | | **2,705.26** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | 6.00 | 2,940.00 | |
| | Duck Area | | 1 | 260.00 | Area | 6.00 | 1,560.00 | |
| | | | | | **Add 5%** | **Total:** | **4,725.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing | | 1 | 90.00 | 7.00 | 0.25 | 157.50 | |
| | Footing Wall A | | 1 | 215.00 | 3.50 | 0.25 | 188.13 | |
| | Footing Wall B | | 1 | 58.00 | 3.50 | 0.25 | 50.75 | |
| | | | | | **Add 5%** | **Total:** | **416.19** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | 0.33 | 161.70 | |
| | Duck Area | | 1 | 260.00 | Area | 0.33 | 85.80 | |
| | | | | | | **Total:** | **259.88** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | 0.17 | 83.30 | |
| | Duck Area | | 1 | 260.00 | Area | 0.17 | 44.20 | |
| | | | | | **Add 5%** | **Total:** | **133.88** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing | | 1 | 90.00 | 6.50 | 0.67 | 391.95 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Footing Wall A | | 1 | 215.00 | 3.00 | 0.50 | 322.50 | |
| | Footing Wall B | | 1 | 58.00 | 3.00 | 0.50 | 87.00 | |
| | | | | | **Add 5%** | **Total:** | **841.52** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 0.75 | 0.75 | 120.94 | |
| | Footing Wall B | | 1 | 58.00 | 0.75 | 0.75 | 32.63 | |
| ii | **Lintel Band** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 0.75 | 0.75 | 120.94 | |
| | Footing Wall B | | 1 | 58.00 | 0.75 | 0.75 | 32.63 | |
| iii | **Roof Band** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 0.75 | 0.75 | 120.94 | |
| | Footing Wall A | | 1 | 58.00 | 0.75 | 0.75 | 32.63 | |
| | Duck Slab | | 1 | 350.00 | Area | 0.25 | 87.50 | |
| | Duck Slab | | 50% | 350.00 | Area | 0.25 | 43.75 | |
| iv | **P-1** | | | | | | | |
| | | | 7 | 3.14 | Area | 8.75 | 192.33 | |
| | | | | | **Add 5%** | **Total** | **823.48** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 841.52 | 2.50 | Per Cft | 2,103.81 | |
| | Superstructural | | 1 | 823.48 | 4.50 | Per Cft | 3,705.64 | |
| | | | | | **Add 5%** | **Total** | **6,099.92** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 1.50 | 0.50 | 161.25 | |
| | Footing Wall A | | 1 | 58.00 | 1.50 | 0.50 | 43.50 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 1.13 | 0.50 | 120.94 | |
| | Footing Wall A | | 1 | 58.00 | 1.13 | 0.50 | 32.63 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **3rd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 215.00 | 0.75 | 8.50 | 1,370.63 | |
| | Footing Wall A | | 1 | 58.00 | 0.75 | 8.50 | 369.75 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 10.50 | 3.00 | 0.50 | 15.75 | |
| | 2nd step | | 1 | 10.50 | 2.00 | 0.50 | 10.50 | |
| | 3rd step | | 1 | 10.50 | 1.00 | 0.50 | 5.25 | |
| | | | | | **Add 5%** | **Total:** | **2,236.70** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 78.00 | 0.75 | 10.00 | 585.00 | |
| | Bath | | 2 | 8.00 | 0.75 | 10.00 | 120.00 | |
| | | | 2 | 5.00 | 0.75 | 10.00 | 75.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 2.50 | 0.75 | 7.00 | (13.13) | |
| | V-1 | | -1 | 2.00 | 0.75 | 2.00 | (3.00) | |
| | | | | | **Add 5%** | **Total:** | **802.07** | Cft |
| 12 | **Sand filling** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | 0.33 | 161.70 | |
| | Duck Area | | 1 | 260.00 | Area | 0.33 | 85.80 | |
| | | | | | **Add 5%** | **Total:** | **259.88** | **Cft** |
| 13 | **Shisham wood block flooring** | | | | | | | |
| | Duck Area | | 1 | 260.00 | Area | | 260.00 | |
| | | | | | **Add 5%** | **Total:** | **273.00** | **Sft** |
| 14 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | | 490.00 | |
| | Bath | | 1 | 8.00 | 5.00 | | 40.00 | |
| | | | | | **Add 5%** | **Total** | **556.50** | Sft |
| 15 | **Wall skirting** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ecologes | | 1 | 78.00 | | 0.50 | 39.00 | |
| | Bath | | 2 | 8.00 | | 7.00 | 112.00 | |
| | Bath | | 2 | 5.00 | | 7.00 | 70.00 | |
| | | | | | **Add 5%** | **Total** | **232.05** | Sft |
| 16 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | 1 | 10.50 | 1.00 | | 10.50 | |
| | | | 1 | 10.50 | 1.00 | | 10.50 | |
| | | | 1 | 10.50 | 1.00 | | 10.50 | |
| | Risers | | 1 | 10.50 | | 0.50 | 5.25 | |
| | | | 1 | 10.50 | | 0.50 | 5.25 | |
| | | | 1 | 10.50 | | 0.50 | 5.25 | |
| | V-1 | | 1 | 2.00 | 1.00 | | 2.00 | |
| | | | | | **Add 5%** | **Total** | **51.71** | Sft |
| 17 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 78.00 | | 10.00 | 780.00 | |
| | Bath | | 2 | 8.00 | | 10.00 | 160.00 | |
| | Bath | | 2 | 5.00 | | 10.00 | 100.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 2.50 | | 7.00 | (17.50) | |
| | V-1 | | -1 | 2.00 | | 2.00 | (4.00) | |
| | | | | | **Add 5%** | **Total** | **1,069.43** | Sft |
| 18 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 1 | 78.00 | | 11.00 | 858.00 | |
| | | | | | **Add 5%** | **Total** | **900.90** | Sft |
| 19 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Qty as per internal plaster of walls | | | | | | 1,069.43 | |
| | | | | | **Add 5%** | **Total** | **1,122.90** | Sft |
| 20 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 900.90 | |
| | | | | | **Add 5%** | **Total** | **945.95** | Sft |
| 21 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | V-1 | | 1 | 2.00 | | 2.00 | 4.00 | |
| | | | | | **Add 5%** | **Total** | **4.20** | Sft |
| 22 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 4.20 | 50% | | 2.10 | |
| | | | | | **Add 5%** | **Total** | **2.21** | Sft |
| 23 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 4.20 | | | 4.20 | |
| | | | | | **Add 5%** | **Total** | **4.41** | Sft |
| 24 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | 1 | 1 | 350.00 | Area | | 350.00 | |
| | Sheet Area | 1 | 1 | 1,100.00 | Area | | 1,100.00 | |
| | | | | | **Add 5%** | **Total** | **1,522.50** | Sft |
| 25 | **Fabrication of heavy steel work** | | | | | | | |
| | Bottom B-1 Box 6"x6"x1/2" | 1 | 6 | 10.25 | 2.00 | 0.042 | 5.17 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 6 | 11.00 | 2.00 | 0.042 | 5.54 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 1 | 96.00 | 2.00 | 0.042 | 8.06 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 1 | 128.00 | 2.00 | 0.042 | 10.75 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 6 | 23.00 | 2.00 | 0.042 | 11.59 | Cft |
| | Bottom B-2 Box 9"x9"x1/2" | 1 | 12 | 20.50 | 2.00 | 0.042 | 20.66 | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Top Purlin 3"x6"x1/4" | 1 | 26 | 21.00 | 1.00 | 0.021 | 11.47 | Cft |
| | Top Purlin 3"x6"x1/4" | 1 | 26 | 7.25 | 1.00 | 0.021 | 3.96 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 7 | 0.3524 | Area | 0.042 | 0.10 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 7 | 1.56 | Area | 0.042 | 0.46 | Cft |
| | J Bolts 3/4" dia | 6 | 7 | 0.0031 | Area | 2.00 | 0.26 | Cft |
| | | | | | **Add 5%** | **Total** | **81.93** | Cft |
| | | | | **81.93** | Lbs Per cft | **490.00** | **40,144.54** | Lbs |
| | | | | | | **Total** | **18,214.40** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **20,035.84** | Kg |
| 26 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 1,522.50 | | | 3,045.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1522.50 | |
| | | | | | | **Total** | **4,567.50** | Sft |
| 27 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Footing | | 1 | 90.00 | 7.00 | | 90.00 | |
| | Footing Wall A | | 1 | 215.00 | 3.50 | | 752.50 | |
| | Footing Wall B | | 1 | 58.00 | 3.50 | | 203.00 | |
| | Footing | | 2 | 90.00 | | 3.25 | 585.00 | |
| | | | 2 | 7.00 | | 3.25 | 45.50 | |
| | Footing Wall A | | 2 | 215.00 | | 3.25 | 1,397.50 | |
| | Footing Wall B | | 2 | 58.00 | | 3.25 | 377.00 | |
| | **Under Floor** | | | | | | | |
| | Ecologes | | 1 | 490.00 | Area | | 490.00 | |
| | Duck Area | | 1 | 260.00 | Area | | 260.00 | |
| | | | | | | **Total:** | **4,200.50** | **Sft** |
| NS-1 | **Wood Plastic Composite (WPC)** | | | | | | | |
| | D-2 | | 1 | 2.50 | | 7.00 | 17.50 | |
| | | | | | | **Total:** | **17.50** | **Sft** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges 3 Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| NS-2 | **WPC architrave 3"** | | | | | | | |
| | D-2 | | 2 | 2.50 | | 7.00 | 35.00 | |
| | | | | | | **Total:** | **35.00** | **Sft** |

**ROUGH COST ESTIMATE**

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Construction of Admin Block

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 17,500,024 | |
| | **Net Total** | **17,500,024** | **17,500,024** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 15,710.63 | 15.82 | 248,542 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 7,855.31 | 7.54 | 59,229 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 4,395.00 | 16.02 | 70,408 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 191.25 | 375.16 | 71,749 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 780.76 | 124.41 | 97,134 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 312.74 | 497.23 | 155,505 |
| | 18/3 aii | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | P.Cft | 6,000.00 | 100.03 | 600,180 |
| | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 6,342.32 | 41.07 | 260,479 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 1,917.04 | 694.70 | 1,331,766 |
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 1,567.39 | 841.70 | 1,319,270 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 4,500.00 | 303.10 | 1,363,950 |
| | **7. BRICK WORK** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 4,500.00 | 370.56 | 1,667,520 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Ground Floor | P.Cft | 4,500.00 | 392.61 | 1,766,745 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 780.76 | 41.07 | 32,066 |
| 13 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 2,260.93 | 450.10 | 1,017,644 |
| 14 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 312.77 | 451.50 | 141,215 |
| 15 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 635.27 | 1,233.15 | 783,384 |
| | **11. SURFACE RENDERING** | | | | | |
| 16 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 8,434.64 | 46.18 | 389,512 |
| 17 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 3,376.86 | 62.00 | 209,365 |
| 18 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 8,856.37 | 3.93 | 34,806 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 8,856.37 | 8.76 | 77,582 |
| | | ii) two coats | P.Sft | 8,856.37 | 12.12 | 107,339 |
| | **12. WOOD WORK** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 19 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 297.68 | 950.00 | 282,791 |
| 20 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 312.56 | 756.75 | 236,529 |
| 21 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 10.00 | 178.30 | 1,783 |
| 22 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 10.00 | 4,400.25 | 44,003 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 23 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 3,545.70 | 47.26 | 167,570 |
| | | **ii) 2nd coat** | P.Sft | 3,545.70 | 26.52 | 94,032 |
| | **25. IRON WORK** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 24 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 343.29 | 1,306.55 | 448,528 |
| 25 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 180.23 | 542.80 | 97,828 |
| 26 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 360.46 | 1,191.85 | 429,611 |
| 27 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 1,500.00 | 1,648.65 | 2,472,975 |
| 28 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 2,000.00 | 388.93 | 777,860 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 29 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 22,676.24 | 11.91 | 270,074 |
| | **26. MISCELLANEOUS** | | | | | |
| 31 | NS-1 | Providing and fixing 2" thick artifical Clading etc complete & weather sheild 2 coat as per architectural drawing and as approved by the engineer incharge. | P.Sft | 650.00 | 307.00 | 199,550 |
| 32 | NS-2 | Providing and fixing 2" thick WPC (wood plastic composite) solid door enviroment friendly complete in all respect as approved by Engineer Incharge. | P.Sft | 70.00 | 1,750.00 | 122,500 |
| 33 | NS-3 | Providing and fixing wood plastic composite WPC architrave 3" x (3/4" tapered to ¼") all along the door frame complete in all respect. | P.Sft | 140.00 | 350.00 | 49,000 |
| | | **NON-SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **17,500,024** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Section A-A | | 1 | 100.00 | 9.50 | 5.25 | 4,987.50 | |
| | Section C-C | | 1 | 100.00 | 9.50 | 5.25 | 4,987.50 | |
| | Protection Wall out side | | 1 | 100.00 | 9.50 | 5.25 | 4,987.50 | |
| | | | | | **Add 5%** | **Total:** | **15,710.63** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 15,710.63 | | | **7,855.31** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Veranda | | 1 | 10.00 | 5.00 | 6.00 | 300.00 | |
| | Reception | | 1 | 10.00 | 10.00 | 6.00 | 600.00 | |
| | Lobby | | 1 | 10.00 | 8.00 | 6.00 | 480.00 | |
| | Kitchen | | 1 | 10.00 | 7.00 | 6.00 | 420.00 | |
| | Office | | 1 | 10.00 | 7.00 | 6.00 | 420.00 | |
| | Admin Office | | 1 | 10.00 | 7.00 | 6.00 | 420.00 | |
| | Drivers Lounge | | 1 | 10.00 | 7.00 | 6.00 | 420.00 | |
| | Toilets | | 1 | 5.00 | 7.00 | 6.00 | 210.00 | |
| | W.C | | 2 | 5.00 | 3.00 | 6.00 | 180.00 | |
| | Toilets | | 1 | 5.00 | 6.38 | 6.00 | 191.25 | |
| | W.C | | 2 | 5.00 | 3.00 | 6.00 | 180.00 | |
| | Bath | | 1 | 5.00 | 6.38 | 6.00 | 191.25 | |
| | Storage | | 1 | 5.00 | 6.38 | 6.00 | 191.25 | |
| | Pantry | | 1 | 5.00 | 6.38 | 6.00 | 191.25 | |
| | | | | | | **Total:** | **4,395.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Section A-A | | 1 | 100.00 | 3.00 | 0.25 | 75.00 | |
| | Section C-C | | 1 | 55.00 | 3.00 | 0.25 | 41.25 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Protection Wall out side | | 1 | 100.00 | 3.00 | 0.25 | 75.00 | |
| | | | | | | **Total:** | **191.25** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Veranda | | 1 | 20.00 | 5.00 | 0.33 | 33.00 | |
| | Reception | | 1 | 20.00 | 13.75 | 0.33 | 90.75 | |
| | Lobby | | 1 | 50.00 | 5.75 | 0.33 | 94.88 | |
| | Kitchen | | 1 | 20.00 | 18.50 | 0.33 | 122.10 | |
| | Office | | 1 | 20.00 | 18.50 | 0.33 | 122.10 | |
| | Admin Office | | 1 | 19.25 | 13.75 | 0.33 | 87.35 | |
| | Drivers Lounge | | 1 | 20.00 | 12.00 | 0.33 | 79.20 | |
| | Toilets | | 1 | 8.63 | 6.38 | 0.33 | 18.14 | |
| | W.C | | 2 | 5.00 | 3.00 | 0.33 | 9.90 | |
| | Toilets | | 1 | 10.50 | 6.38 | 0.33 | 22.09 | |
| | W.C | | 2 | 5.00 | 3.00 | 0.33 | 9.90 | |
| | Bath | | 1 | 8.50 | 6.38 | 0.33 | 17.88 | |
| | Storage | | 1 | 8.63 | 6.38 | 0.33 | 18.14 | |
| | Pantry | | 1 | 8.63 | 6.38 | 0.33 | 18.14 | |
| | | | | | | **Total:** | **780.76** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Veranda | | 1 | 20.00 | 5.00 | 0.17 | 17.00 | |
| | Reception | | 1 | 20.00 | 13.75 | 0.17 | 46.75 | |
| | Lobby | | 1 | 50.00 | 5.75 | 0.17 | 48.88 | |
| | Kitchen | | 1 | 20.00 | 18.50 | 0.17 | 62.90 | |
| | Office | | 1 | 20.00 | 18.50 | 0.17 | 62.90 | |
| | Admin Office | | 1 | 19.25 | 13.75 | 0.17 | 45.00 | |
| | Drivers Lounge | | 1 | 20.00 | 12.00 | 0.17 | 3.40 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Toilets | | 1 | 8.63 | 6.38 | 0.17 | 1.47 | |
| | W.C | | 2 | 5.00 | 3.00 | 0.17 | 1.70 | |
| | Toilets | | 1 | 10.50 | 6.38 | 0.17 | 1.79 | |
| | W.C | | 2 | 5.00 | 3.00 | 0.17 | 1.70 | |
| | Bath | | 1 | 8.50 | 6.38 | 0.17 | 1.45 | |
| | Storage | | 1 | 8.63 | 6.38 | 0.17 | 1.47 | |
| | Pantry | | 1 | 8.63 | 6.38 | 0.17 | 1.47 | |
| | | | | | **Add 5%** | **Total:** | **312.74** | Cft |
| 4 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel andaggregate. | | | | | | | |
| | Section A-A | 65% | 1 | 417.00 | 9.50 | 2.00 | 5,149.95 | |
| | Section C-C | 65% | 1 | 110.00 | 9.50 | 2.00 | 1,358.50 | |
| | Protection Wall out side | 65% | 1 | 345.00 | 10.50 | 2.00 | 4,709.25 | |
| | | | | | **Add 5%** | **Total:** | **11,778.59** | Cft |
| 4 | Supplying and filling sand under floor; or plugging in wells. | | | | | | | |
| | Section A-A | 35% | 1 | 417.00 | 9.50 | 2.00 | 2,773.05 | |
| | Section C-C | 35% | 1 | 110.00 | 9.50 | 2.00 | 731.50 | |
| | Protection Wall out side | 35% | 1 | 345.00 | 10.50 | 2.00 | 2,535.75 | |
| | | | | | **Add 5%** | **Total:** | **6,342.32** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Section A-A | | 1 | 250.00 | 5.00 | 0.67 | 837.50 | |
| | Section C-C | | 1 | 55.00 | 5.00 | 0.67 | 184.25 | |
| | Protection Wall out side | | 1 | 200.00 | 6.00 | 0.67 | 804.00 | |
| | | | | | **Add 5%** | **Total:** | **1,917.04** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 417.00 | 0.75 | 0.75 | 234.56 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 417.00 | 0.75 | 0.75 | 234.56 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 417.00 | 0.75 | 0.75 | 234.56 | |
| | Server Room shelf | | 1 | 36.00 | 2.00 | 0.25 | 18.00 | |
| | Ventily shelf | | 1 | 6.50 | 2.00 | 0.25 | 3.25 | |
| iv | **P-1** | | | | | | | |
| | | | 39 | 1.50 | 1.50 | 8.75 | 767.81 | |
| | | | | | **Add 5%** | **Total** | **1,567.39** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,917.04 | 2.50 | Per Cft | 4,792.59 | |
| | Superstructural | | 1 | 1,567.39 | 4.50 | Per Cft | 7,053.24 | |
| | | | | | **Add 5%** | **Total** | **12,438.13** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Section A-A | | 1 | 417.00 | 1.88 | 0.50 | 390.94 | |
| | Section C-C | | 1 | 195.25 | 1.88 | 0.50 | 183.05 | |
| | planter | | 1 | 21.75 | 1.13 | 0.50 | 12.23 | |
| | planter | | 1 | 61.00 | 1.13 | 0.50 | 34.31 | |
| | planter | | 4 | 10.00 | 0.75 | 0.50 | 15.00 | |
| | planter | | 1 | 95.00 | 0.75 | 0.50 | 35.63 | |
| | **2nd Steps** | | | | | | | |
| | Section A-A | | 1 | 417.00 | 1.50 | 0.50 | 312.75 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Section C-C | | 1 | 195.25 | 1.50 | 8.00 | 2,343.00 | |
| | planter | | 1 | 21.75 | 0.75 | 6.00 | 97.88 | |
| | planter | | 1 | 61.00 | 0.75 | 6.00 | 274.50 | |
| | planter | | 4 | 10.00 | 0.38 | 6.00 | 90.00 | |
| | planter | | 1 | 95.00 | 0.38 | 6.00 | 213.75 | |
| | **3rd Steps** | | | | | | | |
| | Section A-A | | 1 | 417.00 | 1.13 | 0.50 | 234.56 | |
| | **4th Steps** | | | | | | | |
| | Section A-A | | 1 | 417.00 | 0.75 | 6.00 | 1,876.50 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 50.00 | 3.00 | 0.50 | 75.00 | |
| | 2nd step | | 1 | 48.00 | 2.00 | 0.50 | 48.00 | |
| | 3rd step | | 1 | 46.00 | 1.00 | 0.50 | 23.00 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 9.25 | 3.00 | 0.50 | 13.88 | |
| | 2nd step | | 1 | 9.00 | 2.00 | 0.50 | 9.00 | |
| | 3rd step | | 1 | 9.00 | 1.00 | 0.50 | 4.50 | |
| | | | | | **Add 5%** | **Total:** | **6,601.84** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Reception | | 1 | 20.00 | 0.75 | 14.25 | 213.75 | |
| | Kitchen | | 1 | 10.13 | 0.75 | 14.25 | 108.21 | |
| | Kitchen | | 1 | 20.00 | 0.75 | 14.25 | 213.75 | |
| | Kitchen | | 2 | 18.50 | 0.75 | 14.25 | 395.44 | |
| | Kitchen | | 2 | 6.50 | 0.75 | 14.25 | 138.94 | |
| | Office | | 2 | 20.00 | 0.75 | 14.25 | 427.50 | |
| | Office | | 2 | 18.50 | 0.75 | 14.25 | 395.44 | |
| | Admin Office | | 1 | 19.25 | 0.75 | 14.25 | 205.73 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Admin Office | | 1 | 13.75 | 0.75 | 14.25 | 146.95 | |
| | Admin Office | | 1 | 6.50 | 0.75 | 14.25 | 69.47 | |
| | Drivers Lounge | | 2 | 20.00 | 0.75 | 14.25 | 427.50 | |
| | Drivers Lounge | | 2 | 12.00 | 0.75 | 14.25 | 256.50 | |
| | Toilets | | 2 | 40.00 | 0.75 | 14.25 | 855.00 | |
| | Toilets | | 2 | 6.38 | 0.75 | 14.25 | 136.27 | |
| | W.C | | 2 | 6.38 | 0.38 | 14.25 | 68.13 | |
| | W.C | | 2 | 5.00 | 0.38 | 14.25 | 53.44 | |
| | Storage & Pantry | | 2 | 20.00 | 6.38 | 14.25 | 3,633.75 | |
| | Storage & Pantry | | 2 | 6.38 | 6.38 | 14.25 | 1,158.26 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -3 | 5.00 | 0.75 | 7.00 | (78.75) | |
| | D-2 | | -1 | 4.00 | 0.75 | 7.00 | (21.00) | |
| | D-2a | | -3 | 4.00 | 0.75 | 7.00 | (63.00) | |
| | D-3 | | -1 | 3.50 | 0.75 | 7.00 | (18.38) | |
| | D-4 | | 2 | 3.00 | 0.75 | 7.00 | 31.50 | |
| | D-5 | | 4 | 2.50 | 0.75 | 7.00 | 52.50 | |
| | W-1 | | -5 | 5.67 | 0.75 | 6.00 | (127.58) | |
| | W-2 | | -2 | 4.00 | 0.75 | 6.00 | (36.00) | |
| | W-3 | | -1 | 8.00 | 0.75 | 6.00 | (36.00) | |
| | W-4 | | -1 | 5.67 | 0.75 | 3.50 | (14.88) | |
| | W-5 | | -2 | 3.00 | 0.75 | 6.00 | (27.00) | |
| | V-1 | | -1 | 2.50 | 0.75 | 2.00 | (3.75) | |
| | | | | | **Add 5%** | **Total:** | **8,989.77** | Cft |
| 12 | **Sand filling** | | | | | | | |
| | Veranda | | 1 | 20.00 | 5.00 | 0.33 | 33.00 | |
| | Reception | | 1 | 20.00 | 13.75 | 0.33 | 90.75 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Lobby | | 1 | 50.00 | 5.75 | 0.33 | 94.88 | |
| | Kitchen | | 1 | 20.00 | 18.50 | 0.33 | 122.10 | |
| | Office | | 1 | 20.00 | 18.50 | 0.33 | 122.10 | |
| | Admin Office | | 1 | 19.25 | 13.75 | 0.33 | 87.35 | |
| | Drivers Lounge | | 1 | 20.00 | 12.00 | 0.33 | 79.20 | |
| | Toilets | | 1 | 8.63 | 6.38 | 0.33 | 18.14 | |
| | W.C | | 2 | 5.00 | 3.00 | 0.33 | 9.90 | |
| | Toilets | | 1 | 10.50 | 6.38 | 0.33 | 22.09 | |
| | W.C | | 2 | 5.00 | 3.00 | 0.33 | 9.90 | |
| | Bath | | 1 | 8.50 | 6.38 | 0.33 | 17.88 | |
| | Storage | | 1 | 8.63 | 6.38 | 0.33 | 18.14 | |
| | Pantry | | 1 | 8.63 | 6.38 | 0.33 | 18.14 | |
| | | | | | **Add 5%** | **Total:** | **780.76** | **Cft** |
| 13 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Reception | | 1 | 20.00 | 13.75 | | 275.00 | |
| | Lobby | | 1 | 50.00 | 5.75 | | 287.50 | |
| | Kitchen | | 1 | 20.00 | 18.50 | | 370.00 | |
| | Office | | 1 | 20.00 | 18.50 | | 370.00 | |
| | Admin Office | | 1 | 19.25 | 13.75 | | 264.69 | |
| | Drivers Lounge | | 1 | 20.00 | 12.00 | | 240.00 | |
| | Toilets | | 1 | 8.63 | 6.38 | | 54.98 | |
| | W.C | | 2 | 5.00 | 3.00 | | 30.00 | |
| | Toilets | | 1 | 10.50 | 6.38 | | 66.94 | |
| | W.C | | 2 | 5.00 | 3.00 | | 30.00 | |
| | Bath | | 1 | 8.50 | 6.38 | | 54.19 | |
| | Storage | | 1 | 8.63 | 6.38 | | 54.98 | |
| | Pantry | | 1 | 8.63 | 6.38 | | 54.98 | |
| | | | | | **Add 5%** | **Total** | **2,260.93** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 14 | **Wall skirting** | | | | | | | |
| | Reception | | 2 | 13.75 | | 0.50 | 13.75 | |
| | Lobby | | 2 | 50.00 | | 0.50 | 50.00 | |
| | | | 2 | 5.75 | | 0.50 | 5.75 | |
| | Kitchen | | 2 | 20.00 | | 0.50 | 20.00 | |
| | | | 2 | 18.50 | | 0.50 | 18.50 | |
| | Office | | 2 | 20.00 | | 0.50 | 20.00 | |
| | | | 2 | 18.50 | | 0.50 | 18.50 | |
| | Admin Office | | 2 | 19.25 | | 0.50 | 19.25 | |
| | | | 2 | 13.75 | | 0.50 | 13.75 | |
| | Drivers Lounge | | 2 | 20.00 | | 0.50 | 20.00 | |
| | | | 2 | 12.00 | | 0.50 | 12.00 | |
| | Toilets | | 2 | 8.63 | | 0.50 | 8.63 | |
| | | | 2 | 6.38 | | 0.50 | 6.38 | |
| | W.C | | 2 | 5.00 | | 0.50 | 5.00 | |
| | | | 2 | 3.00 | | 0.50 | 3.00 | |
| | Toilets | | 2 | 10.50 | | 0.50 | 10.50 | |
| | | | 2 | 6.38 | | 0.50 | 6.38 | |
| | W.C | | 2 | 5.00 | | 0.50 | 5.00 | |
| | | | 2 | 3.00 | | 0.50 | 3.00 | |
| | Bath | | 2 | 8.50 | | 0.50 | 8.50 | |
| | | | 2 | 6.38 | | 0.50 | 6.38 | |
| | Storage | | 2 | 8.63 | | 0.50 | 8.63 | |
| | | | 2 | 6.38 | | 0.50 | 6.38 | |
| | Pantry | | 2 | 8.63 | | 0.50 | 8.63 | |
| | | | | | **Add 5%** | **Total** | **312.77** | Sft |
| 15 | **Prepolished Granite** | | | | | | | |
| | Veranda | | 1 | 20.00 | 5.00 | | 100.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **Entrance step** | | 1 | 50.00 | 1.00 | | 50.00 | |
| | | | 1 | 48.00 | 1.00 | | 48.00 | |
| | | | 1 | 46.00 | 5.00 | | 230.00 | |
| | Risers | | 1 | 50.00 | | 0.50 | 25.00 | |
| | | | 1 | 48.00 | | 0.50 | 24.00 | |
| | | | 1 | 46.00 | | 0.50 | 23.00 | |
| | **Entrance step** | | 1 | 13.00 | 1.00 | | 13.00 | |
| | | | 1 | 9.00 | 1.00 | | 9.00 | |
| | | | 1 | 9.00 | 1.00 | | 9.00 | |
| | Risers | | 1 | 13.00 | | 0.50 | 6.50 | |
| | | | 1 | 9.00 | | 0.50 | 4.50 | |
| | | | 1 | 9.00 | | 0.50 | 4.50 | |
| | W-1 | | 5 | 5.67 | 1.00 | | 28.35 | |
| | W-2 | | 2 | 4.00 | 1.00 | | 8.00 | |
| | W-3 | | 1 | 8.00 | 1.00 | | 8.00 | |
| | W-4 | | 1 | 5.67 | 1.00 | | 5.67 | |
| | W-5 | | 2 | 3.00 | 1.00 | | 6.00 | |
| | V-1 | | 1 | 2.50 | 1.00 | | 2.50 | |
| | | | | | **Add 5%** | **Total** | **635.27** | Sft |
| 16 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Reception | | 2 | 13.75 | | 14.25 | 391.88 | |
| | Lobby | | 2 | 50.00 | | 14.25 | 1,425.00 | |
| | | | 2 | 5.75 | | 14.25 | 163.88 | |
| | Kitchen | | 2 | 20.00 | | 14.25 | 570.00 | |
| | | | 2 | 18.50 | | 14.25 | 527.25 | |
| | Office | | 2 | 20.00 | | 14.25 | 570.00 | |
| | | | 2 | 18.50 | | 14.25 | 527.25 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Admin Office | | 2 | 19.25 | | 14.25 | 548.63 | |
| | | | 2 | 13.75 | | 14.25 | 391.88 | |
| | Drivers Lounge | | 2 | 20.00 | | 14.25 | 570.00 | |
| | | | 2 | 12.00 | | 14.25 | 342.00 | |
| | Toilets | | 2 | 8.63 | | 14.25 | 245.81 | |
| | | | 2 | 6.38 | | 14.25 | 181.69 | |
| | W.C | | 2 | 5.00 | | 14.25 | 142.50 | |
| | | | 2 | 3.00 | | 14.25 | 85.50 | |
| | Toilets | | 2 | 10.50 | | 14.25 | 299.25 | |
| | | | 2 | 6.38 | | 14.25 | 181.69 | |
| | W.C | | 2 | 5.00 | | 14.25 | 142.50 | |
| | | | 2 | 3.00 | | 14.25 | 85.50 | |
| | Bath | | 2 | 8.50 | | 14.25 | 242.25 | |
| | | | 2 | 6.38 | | 14.25 | 181.69 | |
| | Storage | | 2 | 8.63 | | 14.25 | 245.81 | |
| | | | 2 | 6.38 | | 14.25 | 181.69 | |
| | Pantry | | 2 | 8.63 | | 14.25 | 245.81 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -3 | 5.00 | | 7.00 | (105.00) | |
| | D-2 | | -1 | 4.00 | | 7.00 | (28.00) | |
| | D-2a | | -3 | 4.00 | | 7.00 | (84.00) | |
| | D-3 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | D-4 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | D-5 | | 4 | 2.50 | | 7.00 | 70.00 | |
| | W-1 | | -5 | 5.67 | | 6.00 | (170.10) | |
| | W-2 | | -2 | 4.00 | | 6.00 | (48.00) | |
| | W-3 | | -1 | 8.00 | | 6.00 | (48.00) | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-4 | | -1 | 5.67 | | 3.50 | (19.85) | |
| | W-5 | | -2 | 3.00 | | 6.00 | (36.00) | |
| | V-1 | | -1 | 2.50 | | 2.00 | (5.00) | |
| | | | | | **Add 5%** | **Total** | **8,434.64** | Sft |
| 17 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 1 | 242.00 | | 15.25 | 3,690.50 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -2 | 5.00 | | 14.75 | (147.50) | |
| | W-1 | | -5 | 5.67 | | 6.00 | (170.10) | |
| | W-2 | | -2 | 4.00 | | 6.00 | (48.00) | |
| | W-3 | | -1 | 8.00 | | 6.00 | (48.00) | |
| | W-4 | | -1 | 5.67 | | 3.50 | (19.85) | |
| | W-5 | | -2 | 3.00 | | 6.00 | (36.00) | |
| | V-1 | | -1 | 2.50 | | 2.00 | (5.00) | |
| | | | | | **Add 5%** | **Total** | **3,376.86** | Sft |
| 18 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 8,434.64 | |
| | | | | | **Add 5%** | **Total** | **8,856.37** | Sft |
| 18a | **Wooden Cladding Sheet** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 7 | 36.50 | 2.00 | 0.042 | 21.46 | |
| | Bottom TR-2 Box 6"x6"x1/2" | 1 | 3 | 31.00 | 2.00 | 0.042 | 7.81 | |
| | Center Box 4"x4"x1/2" | 1 | 7 | 47.75 | 1.33 | 0.042 | 18.72 | |
| | Center Box 4"x4"x1/2" | 1 | 3 | 24.50 | 1.33 | 0.042 | 4.12 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Columns Box 9"x9"x1/2" | 1 | 39 | 15.00 | 3.00 | 0.042 | 73.71 | |
| | Sheet Area | 1 | 2 | 66.00 | 20.00 | 0.042 | 110.88 | |
| | Sheet Area | 1 | 2 | 20.00 | 17.00 | 0.042 | 28.56 | |
| | Sheet Area | 1 | 1 | 24.00 | 7.75 | 0.042 | 7.81 | |
| | Sheet Area | 1 | 1 | 35.50 | 7.25 | 0.042 | 10.81 | |
| | Sheet Area | 1 | 1 | 22.50 | 7.75 | 0.042 | 7.32 | |
| | | | | | **Add 5%** | **Total:** | **305.76** | **Cft** |
| 18b | **French polishing** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 7 | 36.50 | 2.00 | | 511.00 | |
| | Bottom TR-2 Box 6"x6"x1/2" | 1 | 3 | 31.00 | 2.00 | | 186.00 | |
| | Center Box 4"x4"x1/2" | 1 | 7 | 47.75 | 1.33 | | 445.67 | |
| | Center Box 4"x4"x1/2" | 1 | 3 | 24.50 | 1.33 | | 98.00 | |
| | Columns Box 9"x9"x1/2" | 1 | 39 | 15.00 | 3.00 | | 1,755.00 | |
| | Sheet Area | 1 | 2 | 66.00 | 20.00 | | 2,640.00 | |
| | Sheet Area | 1 | 2 | 20.00 | 17.00 | | 680.00 | |
| | Sheet Area | 1 | 1 | 24.00 | 7.75 | | 186.00 | |
| | Sheet Area | 1 | 1 | 35.50 | 7.25 | | 257.38 | |
| | Sheet Area | 1 | 1 | 22.50 | 7.75 | | 174.38 | |
| | | | | | **Add 5%** | **Total:** | **7,280.09** | **Sft** |
| 19 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 3 | 5.00 | | 7.00 | 105.00 | |
| | D-2 | | 1 | 4.00 | | 7.00 | 28.00 | |
| | D-2a | | 3 | 4.00 | | 7.00 | 84.00 | |
| | D-3 | | 1 | 3.50 | | 7.00 | 24.50 | |
| | D-4 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | **Add 5%** | **Total** | **297.68** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 20 | **MS/ GI Chowkat singel/double** | | | | | | | |
| | Qty as per Door | | 1 | 297.68 | | | 297.68 | |
| | | | | | **Add 5%** | **Total** | **312.56** | Sft |
| 21 | **Door Stops** | | | | | | | |
| | Door | | 10 | 1.00 | | | 10.00 | |
| | | | | | | **Total** | **10.00** | Each |
| 22 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | Door | | 10 | 1.00 | | | 10.00 | |
| | | | | | | **Total** | **10.00** | Each |
| 23 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 3,376.86 | |
| | | | | | **Add 5%** | **Total** | **3,545.70** | Sft |
| 24 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 5 | 5.67 | | 6.00 | 170.10 | |
| | W-2 | | 2 | 4.00 | | 6.00 | 48.00 | |
| | W-3 | | 1 | 8.00 | | 6.00 | 48.00 | |
| | W-4 | | 1 | 5.67 | | 3.50 | 19.85 | |
| | W-5 | | 2 | 3.00 | | 6.00 | 36.00 | |
| | V-1 | | 1 | 2.50 | | 2.00 | 5.00 | |
| | | | | | **Add 5%** | **Total** | **343.29** | Sft |
| 25 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 343.29 | 50% | | 171.65 | |
| | | | | | **Add 5%** | **Total** | **180.23** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 26 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 343.29 | | | 343.29 | |
| | | | | | **Add 5%** | **Total** | **360.46** | Sft |
| 27 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | | 2 | 66.00 | 20.00 | | 2,640.00 | |
| | Sheet Area | | 2 | 20.00 | 17.00 | | 680.00 | |
| | Sheet Area | | 1 | 24.00 | 7.75 | | 186.00 | |
| | Sheet Area | | 1 | 35.50 | 7.25 | | 257.38 | |
| | Sheet Area | | 1 | 22.50 | 7.75 | | 174.38 | |
| | | | | | **Add 5%** | **Total** | **4,134.64** | Sft |
| 28 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 7 | 36.50 | 2.00 | 0.042 | 21.46 | Cft |
| | Bottom TR-2 Box 6"x6"x1/2" | 1 | 3 | 31.00 | 2.00 | 0.042 | 7.81 | Cft |
| | Top TR-1 Box 6"x6"x1/2" | 2 | 7 | 19.75 | 2.00 | 0.042 | 23.23 | Cft |
| | Top TR-2 Box 6"x6"x1/2" | 2 | 3 | 12.50 | 2.00 | 0.042 | 6.30 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 7 | 47.75 | 1.33 | 0.042 | 18.72 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 3 | 24.50 | 1.33 | 0.042 | 4.12 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 12 | 66.00 | 1.00 | 0.021 | 16.63 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 10 | 22.50 | 1.00 | 0.021 | 4.73 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 3 | 35.00 | 1.00 | 0.021 | 2.21 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 3 | 22.50 | 1.00 | 0.021 | 1.42 | Cft |
| | Purlin Box 3"x6"x1/4" | 1 | 3 | 24.00 | 1.00 | 0.021 | 1.51 | Cft |
| | Cleat Angle Box 1 1/2"x1 1/2"x1/4" | 1 | 12 | 66.00 | 0.25 | 0.021 | 4.16 | Cft |
| | Cleat Angle Box 1 1/2"x1 1/2"x1/4" | 1 | 10 | 22.50 | 0.25 | 0.021 | 1.18 | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Cleat Angle Box 1 1/2"x1 1/2"x1/4" | 1 | 3 | 35.00 | 0.25 | 0.021 | 0.55 | Cft |
| | Cleat Angle Box 1 1/2"x1 1/2"x1/4" | 1 | 3 | 22.50 | 0.25 | 0.021 | 0.35 | Cft |
| | Cleat Angle Box 1 1/2"x1 1/2"x1/4" | 1 | 3 | 24.00 | 0.25 | 0.021 | 0.38 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 39 | 15.00 | 3.00 | 0.042 | 73.71 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 39 | 1.25 | 1.25 | 0.042 | 2.56 | Cft |
| | J Bolts 3/4" dia | 4 | 39 | 0.0031 | Area | 2.00 | 0.96 | Cft |
| | | | | | **Add 5%** | **Total** | **201.57** | Cft |
| | | | | **201.57** | Lbs Per cft | **490.00** | **98,770.86** | Lbs |
| | | | | | | **Total** | **44,814.37** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **49,295.80** | Kg |
| 29 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 1 | 22,676.24 | | | 22,676.24 | |
| | | | | | | **Total** | **22,676.24** | Sft |
| 30 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Raft | | 1 | 2,600.00 | Area | | 2,600.00 | |
| | Section C-C | | 1 | 195.25 | 2.50 | | 488.13 | |
| | Protection Wall out side | | 1 | 345.00 | 6.50 | | 2,242.50 | |
| | Drain | | 1 | 345.00 | 2.00 | | 690.00 | |
| | **Deduction** | | | | | | | |
| | Info & Ticketing Hall | | -1 | 757.00 | Area | | (757.00) | |
| | Office/Hall | | -1 | 127.00 | Area | | (127.00) | |
| | Veranda | | -1 | 64.00 | Area | | (64.00) | |
| | Veranda | | -1 | 19.00 | Area | | (19.00) | |
| | Toilet | | -1 | 34.00 | Area | | (34.00) | |
| | Server Room | | -1 | 41.00 | Area | | (41.00) | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Admin Block**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **sides** | | | | | | | |
| | Raft | | 1 | 2,600.00 | Area | 3.25 | 8,450.00 | |
| | Section C-C | | 1 | 195.25 | 2.50 | 3.25 | 1,586.41 | |
| | Protection Wall out side | | 1 | 345.00 | 6.50 | 3.25 | 7,288.13 | |
| | Drain | | 1 | 345.00 | 2.00 | 3.25 | 2,242.50 | |
| | **Deduction** | | | | | | | |
| | Info & Ticketing Hall | | -1 | 757.00 | Area | 3.25 | (2,460.25) | |
| | Office/Hall | | -1 | 127.00 | Area | 3.25 | (412.75) | |
| | Veranda | | -1 | 64.00 | Area | 3.25 | (208.00) | |
| | Veranda | | -1 | 19.00 | Area | 3.25 | (61.75) | |
| | Toilet | | -1 | 34.00 | Area | 3.25 | (110.50) | |
| | Server Room | | -1 | 41.00 | Area | 3.25 | (133.25) | |
| | **Under Floor** | | | | | | | |
| | Info & Ticketing Hall | | 1 | 39.00 | 27.00 | | 1,053.00 | |
| | Office/Hall | | 1 | 15.00 | 17.33 | | 259.95 | |
| | Server Room | | 1 | 15.00 | 9.00 | | 135.00 | |
| | Veranda | | 1 | 16.75 | 7.00 | | 117.25 | |
| | Toilet | | 1 | 11.25 | 9.00 | | 101.25 | |
| | W.C | | 2 | 5.17 | 5.13 | | 52.99 | |
| | Duck Area | | 1 | 645.00 | Area | | 645.00 | |
| | | | | | | **Total:** | **23,523.60** | **Sft** |
| | | | | | | | | |
| NS-1 | **Artifical Cladding** | | | | | | | |
| | | | 1 | 192.00 | | 14.25 | 2,736.00 | |
| | **Deduction** | | | | | | | |
| | W-1 | | -5 | 5.67 | | 6.00 | (170.10) | |

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Boundary Fencing of Wildlife Park and Zones where Required**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 21,820,000 | |
| | **Grand.Total** | **21,820,000** | **21,820,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Boundary Fencing of Wildlife Park and Zones where Required**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | | | | | |
| 30 | Ch-26 i-49 | Providing and fixing hot dipped Galvanized Iron chainlink mesh/fence of 2"x2"mesh made of wire of specified guage,with the help of 1"x1/8" GI patti, GI.clamp sand screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through meshat top,middle and bottom, fixed on vertical posts of 2" diameter GI pipes(medium quality) erected @ 8ft C/Cduly embeded in PCC (1:2:4)etc.complete in all respect as approved and directed by the Engineer Incharge. | Sft | 43,422.89 | 502.5 | 21,820,000.00 |
| | | **Total** | | | | **21,820,000.00** |

| MEASURMENT SHEETS | | | | | | | |
|---|---|---|---|---|---|---|---|
| **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | |
| **Boundary Fencing of Wildlife Park and Zones where Required** | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| **Sr.No** | **DESCRIPTION** | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | **Length** | **Breadth** | **Height** | | |
| 30 | Providing and fixing hot dipped Galvanized Iron chainlink mesh/fence of 2"x2"mesh made of wire of specified guage,with the help of 1"x1/8" GI patti, GI.clamp sand screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through meshat top,middle and bottom, fixed on vertical posts of 2" diameter GI pipes(medium quality) erected @ 8ft C/Cduly embeded in PCC (1:2:4)etc.complete in all respect as approved and directed by the Engineer Incharge. | | | | | | |
| | **B.Fence** | | | | | | |
| | Parking Area | 1 | 4,580.00 | - | 8.00 | 36,640.00 | |
| | Zone 2 for Glamping & Ecologies Area | 1 | 847.86 | - | 8.00 | 6,782.89 | |
| | | | | | **Total:** | **43,422.89** | **Sft** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Utilities infrastucture Works and W.S

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 75,000,000 | |
| | **Grand.Total** | **75,000,000** | **75,000,000** |

## SUMMARY OF ELECTRIFICATION WORKS - MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA

### MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI

| Sr No. | Description | Schedule Items | Non-Schedule Items | Amount (Rs) |
|---|---|---|---|---|
| 1 | Overhead Electrification | - | 30,151,417 | 30,151,417 |
| 2 | Substation | 2,657,897 | 16,199,000 | 18,856,897 |
| 3 | External Electrification | 48,421,824 | 10,737,912 | 59,159,736 |
| 4 | Main Entrance Gate | 693,621 | 3,476,000 | 4,169,621 |
| 5 | Information Center | 1,856,198 | 13,885,000 | 15,741,198 |
| 6 | Tuck Shop | 133,718 | 128,000 | 261,718 |
| 7 | Rest Rooms (6+6) Block Near Parking Block & Restaurant Block | 1,914,689 | 4,025,400 | 3,960,059 |
| 8 | Resturant | 1,722,926 | 1,955,000 | 3,677,926 |
| 9 | Solar Parking for 100 Vehicles and 50 | 495,296 | 278,800 | 774,096 |
| 10 | Eco Lodges - 1 BED Qty: 03 No | 2,484,746 | 6,685,800 | 9,170,546 |
| 11 | Eco Lodges - 2 BED Qty: 02 No | 2,319,522 | 6,434,800 | 8,754,322 |
| 12 | Admin Block | 1,459,714 | 11,612,600 | 13,072,314 |
| 13 | Kids Play Zone Area | 1,844,398 | 276,250 | 2,120,648 |
| 14 | Boating Deck | 1,844,398 | 276,250 | 2,120,648 |
| 15 | Fishing Deck | 1,844,398 | 276,250 | 2,120,648 |
| **TOTAL AMOUNT (Rs)** | | **69,693,347** | **106,398,479** | **174,111,796** |

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA

### *PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)*

| DESCRIPTION | UNIT | QTY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|
| CONDUCTOR (HT) DOG | MTR | 7,000 | 413 | 2,891,000 |
| PC POLE (HT) 45' | NO | 20 | 108,254 | 2,165,080 |
| STEEL CROSS ARM (WITH BRACES) | NO | 40 | 10,068 | 402,720 |
| 11KV DISC INSULATOR | NO | 40 | 4,019 | 160,760 |
| DEAD END CLAMP (DOG) | NO | 40 | 537 | 21,480 |
| ANCHOR SHAKLE | NO | 40 | 230 | 9,200 |
| DOUBLE ARMING BOLT | NO | 40 | 455 | 18,200 |
| EYE - NUT | NO | 40 | 173 | 6,920 |
| P.G CONNECTOR (DOG) | NO | 40 | 703 | 28,120 |
| 11KV PIN TYPE INSULATOR | NO | 200 | 1,177 | 235,400 |
| 11 KV INSULATOR PIN FOR STEEEL X ARM | NO | 200 | 997 | 199,400 |
| STRUT STAY | NO | 50 | 100 | 5,000 |
| STAY ROD | NO | 50 | 63 | 3,150 |
| STAY WIRE | KG | 300 | 358 | 107,400 |
| EARTH ROD | NO | 70 | 1,500 | 105,000 |
| EARTH WIRE | KG | 200 | 358 | 71,600 |
| NUT & BOLTS | L/S | 1 | 15,000 | 15,000 |
| **SUB TOTAL** | | | | **6,445,430** |
| **12% STORE CHARGES OF TOTAL COST OF MATERIAL** | | | | **773,452** |
| **SUB TOTAL WIITH 12% STORE CHARGES** | | | | **7,218,882** |
| **10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL** | | | | **721,888** |
| **GRAND TOTAL** | | | | **7,940,770** |
| **CIVIL WORK** | | | | |
| ERRECTION OF HT PC POLE (45') | JOB | 10 | 10,000 | 100,000 |
| ERRECTION OF STRUT STAY | JOB | 10 | 5,000 | 50,000 |
| FIXING OF STAY ROD HT | JOB | 10 | 800 | 8,000 |
| **TOTAL** | | | | **158,000** |

### *BOQ/COST ESTIMATE FOR 200 KVA DISTRIBUTION TRANSFORMER/ SUB STATION ON DOUBLE POLE (11KV FEEDER # 1)*

| DESCRIPTION | UNIT | QTY | RATE (Rs) | AMOUNT (RS) |
|---|---|---|---|---|
| TRANSFORMER 200 KVA | NO | 8 | 1,620,000 | 12,960,000 |
| LT PC POLE FOR T/F PLATEFORM | NO | 8 | 70,000 | 560,000 |
| STEEL CROSS ARM (WITH BRACES) | NO | 8 | 10,068 | 80,544 |
| PIN INSULATORS | NO | 24 | 1,177 | 28,248 |

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA

***PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)***

| | | | | |
|---|---|---|---|---|
| PIN FOR INSULATOR | NO | 24 | 997 | 23,928 |
| STEEL X-ARMS FOR D-FITTING | NO | 8 | 8,000 | 64,000 |
| DROP OUT CUT OUT | SET | 24 | 4,878 | 117,072 |
| TRANSFORMER PLATFORM (DOUBLE POLE) | NO | 8 | 30,240 | 241,920 |
| RABBIT CONDUCTOR FOR JUMPRING | MTR | 250 | 256 | 64,000 |
| D-SHACKLE | NO | 64 | 409 | 26,176 |
| SPOOL INSULATOR | NO | 64 | 318 | 20,352 |
| EARTH ROD | NO | 16 | 1,500 | 24,000 |
| EARTH WIRE | KG | 80 | 358 | 28,640 |
| NUT & BOLTS | L/S | 1 | 15,000 | 15,000 |
| **SUB TOTAL** | | | | **14,253,880** |
| **12% STORE CHARGES OF TOTAL COST OF MATERIAL** | | | | **1,710,466** |
| **SUB TOTAL WIITH 12% STORE CHARGES** | | | | **15,964,346** |
| **10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL** | | | | **1,596,435** |
| **GRAND TOTAL** | | | | **17,560,780** |
| **CIVIL WORK** | | | | |
| ERRECTION OF LT PC POLE | JOB | 12 | 12,000 | 144,000 |
| EARTHING OF LT PC POLES | JOB | 12 | 1,000 | 12,000 |
| EARTHING TRANSFORMERS | JOB | 24 | 1,000 | 24,000 |
| **TOTAL** | | | | **180,000** |

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA

***PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)***

***COST OF MATERIAL FOR LT LINE (Overhead)***

**(11KV FEEDER # 1)**

| DESCRIPTION | UNIT | QTY | RATE (RS) | AMOUNT (RS) |
|---|---|---|---|---|
| LT P.C POLES | NO | 5 | 8,000 | 40000 |
| D. SHAKLE | NO | 50 | 409 | 20450 |
| SPOOL INSULATOR | NO | 50 | 318 | 15900 |
| WASP CONDUCTOR | MTR | 1,000 | 374 | 374000 |
| WASP CONDUCTOR FOR JUMPRING | MTR | 800 | 374 | 299200 |
| L.C - 16 | NO | 500 | 145 | 72500 |
| EARTH ROD | NO | 60 | 1,500 | 90000 |
| EARTH WIRE | KG | 300 | 358 | 107400 |
| STAY ROD | NO | 150 | 63 | 9450 |
| STAY WIRE | KG | 400 | 358 | 143200 |
| NUTS & BOLTS | L/S | 8 | 15,000 | 120000 |
| **SUB TOTAL** | | | | **1,292,100** |
| **12% STORE CHARGES** | | | | **155,052** |
| **SUB TOTAL WIITH 12% STORE CHARGES** | | | | **1,447,152** |
| **10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL** | | | | **144,715** |
| **GRAND TOTAL** | | | | **1,591,867** |
| ERRECTION OF LT PC POLE | JOB | 20 | 4,000 | 80,000 |
| EARTHING OF LT PC POLES | JOB | 20 | 1,000 | 20,000 |
| FIXING OF STAY ROD LT | JOB | 150 | 800 | 120,000 |
| **TOTAL** | | | | **220,000** |
| **Price of Demand Notice Including Grid and Panel, Feeder Connectiona and WAPDA Charges** | | | | **2,500,000** |
| **GRAND TOTAL OF ALL ABOVE ITEMS** | | | | **30,151,417** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS FOR SUBSTATION** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 90 | 446 | 40,100 |
| **2** | | **Pvc Pipe** | | | | |
| | **CH-24/8/i** | Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials<br>50mm dia | Meter | 90 | 559 | 50,333 |
| **3** | | **HDPE Pipe** | | | | |
| | **CH-23/42/d/1** | Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/Popular/ IIL or approved equivalent manufacturer, including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects.<br>d) PN -12.5 (SDR-13.6)<br>1) 25mm | Meter | 100 | 140 | 14,045 |
| **4** | | **Single Core Cable** | | | | |
| | **CH-24-11-i, iii, iv & v** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):- | | | | |
| a | | 3/0.74 mm (3/0.029") | Meter | 150 | 120 | 17,978 |
| b | | 7/0.74 mm (7/0.029") | Meter | 55 | 173 | 9,429 |
| c | | 7/0.91 mm (7/0.036") | Meter | 65 | 240 | 15,574 |
| d | | 7/1.12 mm (7/0.044") | Meter | 95 | 333 | 31,668 |
| **5** | | **Three Core Cable** | | | | |
| | **CH-24/13-b-vi** | Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-<br>b)Three core, 600/1000 volt cable<br>7/1.63 mm (7/0.064") | Meter | 280 | 2,311 | 647,080 |
| **6** | | **Four Core Cable** | | | | |
| | **CH-24-13-d** | Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-<br>**ARMOURED CABLE** | | | | |
| b | **vi** | 35 mm sq (19/0.064) | Meter | 100 | 6,982 | 698,180 |
| c | **ix** | 95 mm sq | Meter | 35 | 15,000 | 525,000 |
| **7** | | **Switches** | | | | |
| | **CH-24/108-b** | P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmer made of Hi-Life / Bush / Schneider / Clipsal or approved equivalent manufacturer, screws complete as approved and directed by the Engineer charge. | | | | |
| | **i** | 4 GANG 1 WAY SWITCH/PLATE | Each | 4 | 971 | 3,885 |
| **8** | | **Switch Sockets** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/108-a-viii** | P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmer made of Hi-Life / Bush / Schneider / Clipsal or approved equivalent manufacturer, screws complete as approved and directed by the Engineer charge.<br>**3 pin Power Plug 16 Amp** | Each | 4 | 915 | 3,659 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Distribution Board (Light& Power)** | | | | |
| | CH-24-93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surfacemounted Type), Powder coated Paint, i/c thecost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).<br>(a) 6" deep<br>(i)20~60A | Cft | 2.51 | 24,467 | 61,411 |
| a | | **DB SS Size: 800 x 650 x 200 mm** | | | | |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-90-a-v | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A /SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | 32 TP MCCB 25KA | Each | 1 | 19,861 | 19,861 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-89-a-iii | Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | 16 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 10 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| 10 | | **FIRE ALARM SYSTEM** | | | | |
| a | | **FACP** | | | | |
| | CH-24/169-i | Supply, installation and commissioning of wired/wireless Addressable Micro processor based Fire Alarm Control Panel (FACP) capable of PC interface with window conforming to EN-54, consisting of specified loop circuits having 240 devices per loop, indicating circuits, built in power supply with back up batteries, alarm and trouble indication, silence alarm and reset system, general alarm and reset system, general alarm facility. Made of Eurotech Fire UK, Notifire USA, Bosch USA complete in all respect as approved and directed by Engineer Incharge.<br>**1 loop panel** | Each | 1 | 294,235 | 294,235 |
| b | | **MULTI DETECTOR** | | | | |
| | CH-24/168 | Supply, installation and connections of Addressable Multi Detectors incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit, adjustable via software between 0-90 seconds and have built in short circuit isolators on both inputs. inclulding cost of all other accessories or equivalent as approved and directed by the Engineer Incharge. | Each | 3 | 11,033 | 33,098 |
| c | | **MANUAL CALL POINT** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/164-i** | Supply, Installation and commissioining with Addressable Break Glass unit,(Manual Call Point) with key type EN-54 having a built in short circuit isolator and microprocessor to ensurea responsetime of max. 1 second,having an indication LED flash after pressing the button to acknowledge the activation and a key operation facility for testing purposes. made of Honeywell/ Bosch/ Eaton (UK) or as approved and directed by the Engineer Incharge. | Each | 1 | 18,587 | 18,587 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **d** | | **SOUNDER & FLASHER** | | | | |
| | **CH-24/165-ii** | Supply, installation and commissioning of Addressable Type Indoor Loop Powered electronic Sounder/Flasher/Bell EN-54 with minimum sound output 100dB at 1 meter with frequencies of variety of sounds as required and shall be loop wired and loop signaled, built in short circuit isolator, configured via software. made of Honeywell/ Bosch/ Eaton (UK), or equivalent as approved and directed by the Engineer Incharge.<br>**With Flasher** | Each | 1 | 25,923 | 25,923 |
| **e** | | **Fire Alarm Cable** | | | | |
| | **CH-24/163-i** | Supply, Installation and commissioning of wiring with specified FireResistant Shielded Cable (Fire Rating for 2 hours) of required size from respective DB to Fire Alarm FACP (Fire Alarm Controle Panel) in prelaid conduit/duct. MakePony / Belden/ Covican (Italy) or equilvent as approved and directed by the Engineer Incharge.<br>**i) 2C,1.5 mm sq** | Meter | 75 | 428 | 32,063 |
| **11** | **CH-24/105-b-i** | Providing and fixing Copper Winded **Exhaust Fan** with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Steel body). 12" dia | Each | 3 | 5,868 | 17,604 |
| **12** | | **Cable Tray** | | | | |
| | **CH-24-100-b** | Providing and fixing specified deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge.<br>i) 4" x 3" | Meter | 50 | 1,731 | 86,545 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **2,657,897** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **13** | | **WAPDA METERING PANEL** | | | | |
| | **NS** | Vacuum Circuit Breaker (VCB), HT 11 KV, WAPDA Metering Panel floor mounting, 400/630 A, rating 25 KA, 17.5 KV complete with selector switches, indicating lamps, spring Charging motor 220 V AC, 50ms DC closing coil 110 V DC, 50ms DC Trip Coil 110 V, CT, PT, Earth fault, over current, short circuit, current digital relay, frequency meter, amp meter, volt meter, capacitor trip unit, MCB 06 A, SP, charging handle, push button, mounted in sheet steel cubicle, factory assembled duly painted, single panel unit complete with energy meter, MDI & KVARH complete in all respect. | Each | 1 | 8,000,000 | 8,000,000 |
| **14** | | **Consumer Panel** | | | | |
| | **NS** | Vacuum Circuit Breaker (VCB), HT 11 KV, Consumer Protection Panel floor mounting, 400/630 A, rating 25 KA, 17.5 KV complete with selector switches, indicating lamps, spring Charging motor 220 V AC, 50ms DC closing coil 110 V DC, 50ms DC Trip Coil 110 V, CT, PT, Earth fault, over current, short circuit, current digital relay, frequency meter, amp meter, volt meter, capacitor trip unit, MCB 06 A, SP, charging handle, push button, mounted in sheet steel cubicle, factory assembled duly painted, single panel unit complete with energy meter, MDI & KVARH complete in all respect. | Each | 1 | 8,000,000 | 8,000,000 |
| **15** | | **Light Fitting Fixtures** | | | | |
| | **NS** | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by Phillips, Thorn, NVC or equivalent | | | | |
| **a** | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 10 | 8,400 | 84,000 |
| **b** | | Surface/Ceiling mounted combination exit light with red/green color non-maintained including 3 hours battery backup, injecton-molded thermoplastic ABS housing, AC Power: 7.5 W, Lead-acid battery(6V4.5AH), Lumens: > 8cd/m². Complete in all respects. | Each | 4 | 10,000 | 40,000 |
| **c** | | Surface mounted flood light 100W , IP-65 rating, Lumens rating 10,000, Voltage 220-240V, including SMD LED Chip, Wide lighting angle : 110 degree, Color rendering index <70, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 3 | 25,000 | 75,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **16,199,000** |
| **TOTAL COST** | | | | | | **18,856,897** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 1 | 24/14/a/iii | Twin core cable 7/0.74 mm (7/0.029") - 2.5mm² copper conductor, PVC insulated cable complete (excluding conduit), supply and fixing. | Meters | 1800 | 394 | 709,380 |
| 2a | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 32-100 Amp(36 KA), supply and fixing | Each | 25 | 24,361 | 609,026 |
| 2b | 24/90ai | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 25-100 Amp(25 KA), supply and fixing | Each | 25 | 19,861 | 496,526 |
| 2c | 24/90ax | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 630-1600 Amp(50 KA), supply and fixing | Each | 6 | 348,672 | 2,092,029 |
| 2d | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 125-400 Amp(25 KA), supply and fixing | | 4 | 56,461 | 225,845 |
| 3 | 24/13iv | Supply and erection of single core 16 mm sq (7/0.064") PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, laid in trenches complete with bricks, sand (excluding cost of excavation) supply and fixing. | Meters | 1800 | 764 | 1,374,930 |
| 4 | | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | 24/73/a/ii | Single Arm 10 M | Each | 130 | 134,229 | 17,449,796 |
| b | 24/73/a/iii | Double Arm 10 M | Each | 5 | 139,269 | 696,347 |
| 5 | MRS | Foundation for 10 meter Pole | Each | 235 | 49,148 | 11,549,814 |
| 6 | 24/74cviii | Supplying, installation and commissioning of LED Cobra-head Luminaries of 150 Watt with 18000 lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (NVC/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating devicei/c thecost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge. | Each | 140 | 86,589 | 12,122,516 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Rod Type Earthing** | | | | |
| | CH-24-175 | Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing). | Job | 50 | 20,577 | 1,028,870 |
| 8 | | **3-Phase Meter** | | | | |
| | CH-24-79-b-iii | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3x80 Amp, 400 volts** | Each | 3 | 22,248 | 66,744 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **48,421,824** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Transformer Protection Box** | | | | |
| | NS | Supply, installation, testing and commissioning of wall mounted MCU of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Brass glands, Earth bar, Digital volt meter/Amp meter,Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)<br>IP-65 rating<br>Size: 1.5 ft x 1.5 ft | Each | 2 | 48,000 | 96,000 |
| 10 | | **LT Service Box** | | | | |
| | NS | Supply and installation of floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | Each | 3 | 275,000 | 825,000 |
| 11 | NS | Supply and erection of Single Core armoured XLPE insulated, PVC Sheathed Aluminum conductor cables 600/1000 volts, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- | | | | |
| a | | 1C x 16 mm² | Meters | 200 | 494 | 98,784 |
| b | | 1C x 25 mm² | Meters | 200 | 635 | 127,008 |
| c | | 1C x 35 mm² | Meters | 200 | 706 | 141,120 |
| d | | 1C x 50 mm² | Meters | 200 | 900 | 180,000 |
| e | | 1C x 70 mm² | Meters | 200 | 1200 | 240,000 |
| f | | 1C x 95mm² | Meters | 1000 | 1500 | 1,500,000 |
| g | | 1C x 120 mm² | Meters | 200 | 2000 | 400,000 |
| h | | 1C x 150mm² | Meters | 200 | 2500 | 500,000 |
| 12 | NS | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | | 3 meter Pole for external light | Each | 100 | 35,000 | 3,500,000 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | NS | Upvc Class D with all fittings (i.e. sockets, bends, tees, elbows where required) and laid complete in trenches (excluding excavation) or fixed to wall, floor (surface or concealed) and ceiling etc., including caps and plugs as required 25mm dia, supply and fixing. | Meters | 200 | 650 | 130,000 |
| 14 | NS | Supply and installation of LED Post Top Light 60W, 8400 lumens, 120° beam angle, CRI >70, power factor: >0.9, 140lm/w, IP-66 rated. Complete in all respect. | Each | 100 | 30,000 | 3,000,000 |
| **NON- SCHEDULE ITEMS TOTAL COST** | | | | | | **10,737,912** |
| **TOTAL COST** | | | | | | **59,159,736** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 150 | 446 | 66,833 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | - |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | - |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| | | **Note: Following cables are for (P+N+CPE)** | | | | - |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 75 | 120 | 8,989 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 40 | 240 | 9,584 |
| | **v** | 7/0.044" (6mm²) | Meter | 35 | 333 | 11,667 |
| **4** | | **Three Core Cable** | | | | - |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| **a** | | 6mm2 | Meter | 50 | 984 | 49,208 |
| **5** | | **Switches** | | | | - |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | - |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 1 | 878 | 878 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 1 | 1,396 | 1,396 |
| **6** | | **Switch Sockets** | | | | - |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 4 | 745 | 2,978 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Distribution Board (Light& Power)** | | | | |
| | CH-24-93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 850 x 650 x 200mm | Cft | 2.51 | 24,467 | 61,411 |
| a | | **DB Entrance Gate & Guard Room** | | | | - |
| | | **MCCB Breakers (Incoming)** | | | | - |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 16 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| 8 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 2 | 84 | 169 |
| a | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 2 | 731 | 1,461 |
| b | | **Ceiling Fan** | | | | |
| | CH-24/107-iii | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 2 | 10,819 | 21,639 |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Network Video Recorder** | | | | - |
| b | CH-24-123-i | Supply & Installation of NVR (Network Videorecorder) for Real Time View of specified Channels, video and Audio channels, supported protocols: ONVIF, RTSP etc., Internal HDDs mount support: 4 or higher as per site requirement, Monitor outputs, (HDMI,4K Ultra HD), VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motorola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer In charge<br>**8-Channel** | Each | 1 | 99,264.90 | 99,265 |
| 10 | | **Hard Drive Disk** | | | | - |
| | CH-24-124-ii | Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer In charge.<br>**8TB** | Each | 1 | 48,826.20 | 48,826 |
| 11 | | **POE Switch** | | | | - |
| | CH-24-118-i | Supply, Installation and Connection of Specified Ports Layer-2 PoE (Power Over Ethernet) data Network Switch specified ports x100 Mbps PoE, Min.2x1Gbps SFP UPLINK ports, made of Cisco USA/NOVAS Europe/Juniper USA / Huawei / H3C, Pollo Australia or equivalent approved manufacturer and directed by the Engineer In charge.<br>8 port PoE | Each | 1 | 48,500 | 48,500 |
| 12 | | **Patch Cord** | | | | - |
| | CH-24-114-ii | Supply, Installation and commissioning of Cat-6, UTP Machine Made Patch Cord of Specified Length, Support 10 Giga, UL listed cable, with anti snag boots, Gold Over Nickel Plated, Manufacturer/OEM Authorization, confirming to manufacturer warranty, Made of R&M, Molex, 3M or equivalent Approved and Directed by Engineer Incharge.<br>**1- meter patch cord** | Each | 10 | 1,068 | 10,678 |
| 13 | | **CAT-6** | | | | - |
| | CH-24-113-a-i | Supply, Installation & Connecting of 4 pairs UTP cable CAT-6, make 3M/Clipsal or approved equivalent. **Note:-** 3 meter cable extra provide on Camera and cabinets side. | Meter | 80 | 160 | 12,816 |
| 14 | | **12U Cabinet size (600x550x635 mm)** | | | | - |
| | CH-24-136-i | Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP / Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge. | Each | 1 | 58,226 | 58,226 |
| 15 | | **Data Outlet** | | | | |
| | CH-24-136-ii | Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project<br>**Double I/O** | Each | 2 | 2,795 | 5,590 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **693,621** |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 16 | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | - |
| a | NS | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 8 | 2,000 | 16,000 |
| b | NS | Flood light 200W, IP rating 66, 120lm/W, lumens: 24000, power factor >0.9, CRI: >70, AC LED driver included, housing: die cast aluminum. Complete in all respect. | Each | 2 | 40,000 | 80,000 |
| 17 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 18 | NS | Analog Extension Interface with CLI. | Each | 2 | 15,000 | 30,000 |
| 19 | NS | Supply, Installation and Connection of 4 Ports Layer-2 data Network Switch specified ports x1000 Mbps PoE, Min.2x1Gbps SFP UPLINK ports, made of Ruijie, Cisco and Aruba UK. As per specifications complete in all respects. | Each | 1 | 40,000 | 40,000 |
| 20 | | **ANPR CAMERA** | | | | |
| | NS | Supply and installtion of ANPR Camera 8MP, Moto Varifocal Bullet Camera. Effieicient H.265+ compression technology. Make: Hikvision, Dahua or equivalent | Each | 2 | 525,000 | 1,050,000 |
| 21 | | **PARKING SYSTEM** | | | | |
| | | Supply, installation, testing and commissioning of parking booth with automatic Arm Barrier of Length: 3 meters Straight Boom, carbon fiber/aluminum alloy, Input Voltage:AC110V/220V,Motor DC24V Voltage, Average °C Power:250W, Operation Life:≥8 million times(circularly), Open/close Speed:1s, Direction: Left/Right, Working Temperature:-30 ~+70 , With sensor loop, vehicle detector and remote controller, Remote Control Distance:≤30m, Support anti-hit,anti-collision & resistance rebound functions, Dimension:295*360*1040mm, Casing Material: Cold-rolled Sheet, Complete in all respect. | Each | 1 | 1,440,000 | 1,440,000 |
| 22 | NS | Supply, installation, testing and commissioning of LCD screen of 55 inches 4K LED TV. Make: Sony, Samsung or equivalent | Each | 1 | 275,000 | 275,000 |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 23 | NS | Supply, installation, testing and commissioning of single phase 3KVA High performance MCU control for higher reliability, Output PF:1.0, Ultra wide voltage input range for harsh grid environments, Multiple protection functions such as overload, short circuit, over voltage, under voltage and bypass, Intelligent battery management features to extend battery life, Online double conversion UPS, voltage specifications: 220 230V with battery bank size for 60 mins @ 3kVA load. 1.5 Year Local/Channel Warranty. Make: Vertiv, Centiel, APC or equivalent | Each | 1 | 300,000 | 300,000 |
| 24 | NS | Supply and installation of 4 core 10mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 1,500 | 225,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **3,476,000** |
| **TOTAL COST** | | | | | | **4,169,621** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 800 | 446 | 356,440 |
| **b** | **CH-24-4-vi** | 50mm dia | Meter | 50 | 640 | 32,013 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 600 | 120 | 71,910 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 300 | 173 | 51,900 |
| | **iv** | 7/0.036" (4mm²) | Meter | 300 | 240 | 71,880 |
| | **v** | 7/0.044" (6mm²) | Meter | 400 | 333 | 133,340 |
| | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | | 6mm2 | Meter | 700 | 984 | 688,905 |
| **4** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 4 | 878 | 3,512 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 14 | 1,396 | 19,543 |
| | **a-ix** | 20A double pole switch for AC | Each | 2 | 2,642 | 5,284 |
| **5** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 1 | 4,733 | 4,733 |
| **6** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 15 | 915 | 13,720 |
| **6** | | **Exhaust Fan** | | | | - |

**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/105-a-ii** | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 2 | 6,048 | 12,096 |

**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Distribution Board (Light& Power)** | | | | - |
| | CH-24-93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 850 x 650 x 200mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | - |
| | CH-24-89-iv | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 150 Amp TP 18kA | Each | 1 | 27,117 | 27,117 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 7 | 1,455 | 10,186 |
| | | 16 Amps SP 10KA | Each | 20 | 1,455 | 29,102 |
| | | 20 Amps SP 10KA | Each | 3 | 1,455 | 4,365 |
| | CH-24-88-c-iii | 32 Amps TP 10KA | Each | 3 | 8,511 | 25,532 |
| 8 | | **M.S Fan Hook** | | | | - |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 1 | 84 | 84 |
| 9 | | **Fan Dimmer** | | | | - |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 1 | 731 | 731 |
| 10 | | **Ceiling Fan** | | | | - |
| | CH-24/107-iii | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 1 | 10,819 | 10,819 |
| 11 | | **Bracket Fan** | | | | |

**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 5 | 7,302 | 36,511 |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **12** | | **CAT-6** | | | | - |
| | **CH-24-113-a-i** | Supply, Installation & Connecting of 4 pairs UTP cable CAT-6, make 3M/Clipsal or approved equivalent. **Note:-** 3 meter cable extra provide on Camera and cabinets side. | Meter | 400 | 160 | 64,080 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,856,198** |

**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | NS | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 12 | 3,000 | 36,000 |
| b | NS | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 5 | 2,000 | 10,000 |
| c | NS | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 2 | 1,500 | 3,000 |
| d | NS | Inground light 6W, Light efficiency: > 80lm/W, power factor> 0.5, CRI> 70, IP rated IP67. round shaped. Complete in all respect. | Each | 11 | 1,000 | 11,000 |
| e | NS | Surface mounted flood light 50W , IP-65 rating, Lumens rating 4250, 85lm/W, Voltage 220-240V, Wide lighting angle : 110 degree, Color rendering index >80, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 5 | 12,000 | 60,000 |
| 14 | | **FLOOR BOXES** | | | | |
| 15 | NS | Supply and installtion of floor boxes for 4 No of outgoings comprising of 2 light power sockets and 2 RJ-45/RJ-11. Complete in all respect. Make: Legrand, Schneider or equivalent | Set | 15 | 12,000 | 180,000 |
| 16 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 17 | NS | Analog Extention interface with CLI | Each | 9 | 15,000 | 135,000 |
| 18 | NS | Supply, installation testing and commissioning of 2 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 23000BTU/24000BTU, running current 2.3~10.2 A, heating capacity of 24500BTU/25000BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 400,000 | 400,000 |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 19a | NS | Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 300,000 | 300,000 |
| 19b | NS | Supply and installation of Floor Standing air conditioner 4 Ton and 3 Ton with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 2 | 790,000 | 1,580,000 |
| 19 | NS | Supply, installation, testing and commissioning of LCD screen of 75 inches 4K LED TV. Make: Sony, Samsung or equivalent | Each | 5 | 625,000 | 3,125,000 |
| 20 | NS | Supply and installation of 4 core 50mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 13,500 | 2,025,000 |
| 21 | | **Generator Set** | | | | |
| | NS | Supply, installation, testing & commissioning of Diesel generating set 100kVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 50mm² Cu cable for generator connections and Cu armored conductor control cables for complete connections of generator with ATS Panel and complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Set | 1 | 6,000,000 | 6,000,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **13,885,000** |
| **TOTAL COST** | | | | | | **15,741,198** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**TUCK SHOP**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 100 | 446 | 44,555 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 25 | 357 | 8,919 |
| **2** | | **Single Core Cable** | | | | - |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| | | **Note: Following cables are for (P+N+CPE)** | | | | - |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 50 | 120 | 5,993 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 40 | 240 | 9,584 |
| | **v** | 7/0.044" (6mm²) | Meter | 35 | 333 | 11,667 |
| **3** | | **Switches** | | | | - |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | - |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 1 | 878 | 878 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 1 | 1,396 | 1,396 |
| **4** | | **Switch Sockets** | | | | - |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 3 | 745 | 2,234 |
| **5** | | **Distribution Board (Light& Power)** | | | | |

**TUCK SHOP**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 300 x 300 x 150mm | Cft | 0.47 | 24,467 | 11,499 |
| **a** | | **DB SUVANIOUR SHOP** | | | | - |
| | | **MCCB Breakers (Incoming)** | | | | - |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| | | 16 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| **6** | | **Single Phase Meter** | | | | |
| | **CH-24-79-a-ii** | Supply and erection of electric energy meter, including meter testing fee, etc. | Each | 1 | 5,937 | 5,937 |
| **7** | | **Bracket Fan** | | | | |
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 1 | 7,302 | 7,302 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **133,718** |

**TUCK SHOP**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **8** | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | - |
| **a** | **NS** | LED decoractive light for wall mounted, 2 x 8 watts, 220/240 volts, 1200 Lumens Color Redering > 80, Power factor >0.9. Complete in all respect. | Each | 1 | 2,000 | 2,000 |
| **b** | **NS** | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 2 | 3,000 | 6,000 |
| **9** | | **Earthing System** | | | | |
| | **NS** | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| **10** | **NS** | Supply and installation of 4 core 25mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 40 | 2,500 | 100,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **128,000** |
| **TOTAL COST** | | | | | | **261,718** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 200 | 446 | 89,110 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 150 | 120 | 17,978 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 70 | 173 | 12,110 |
| | **iv** | 7/0.036" (4mm²) | Meter | 100 | 240 | 23,960 |
| | **v** | 7/0.044" (6mm²) | Meter | 80 | 333 | 26,668 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | | 6mm2 | Meter | 100 | 984 | 98,415 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 4 | 1,396 | 5,584 |
| **6** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |
| **7** | | **Isolator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 2 | 4,733 | 9,466 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 12 | 6,048 | 72,577 |
| 9 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 6 | 1,455 | 8,731 |
| | | 16 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 20 Amp SP 10KA | Each | 2 | 1,455 | 2,910 |
| 10 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 4 | 84 | 338 |
| 11 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 4 | 731 | 2,923 |
| 12 | | **Ceiling Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. **56" dia** | Each | 4 | 10,819 | 43,278 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **638,230** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Surface mounted flood light 50W , IP-65 rating, Lumens rating 4250, 85lm/W, Voltage 220-240V, Wide lighting angle : 110 degree, Color rendering index >80, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 6 | 12,000 | 72,000 |
| b | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 40 | 3,000 | 120,000 |
| c | | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 4 | 1,200 | 4,800 |
| 14 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 15 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 7,500 | 1,125,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **1,341,800** |
| **TOTAL COST** | | | | | | **1,980,030** |
| **TOTAL COST OF TWO NUMBER TOILET BLOCKS(6+6)** | | | | | | **3,960,059** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA RESTURANT**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| 1 | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 800 | 446 | 356,440 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 100 | 357 | 35,675 |
| 2 | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 300 | 807 | 241,965 |
| 3 | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 800 | 120 | 95,880 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 600 | 173 | 103,800 |
| | **iv** | 7/0.036" (4mm²) | Meter | 500 | 240 | 119,800 |
| | **v** | 7/0.044" (6mm²) | Meter | 400 | 333 | 133,340 |
| 4 | | **Three Core Cable** | | | | |
| | **CH-24-14-b** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | **v** | 6mm2 | Meter | 300 | 984 | 295,245 |
| 5 | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 8 | 878 | 7,025 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 4 | 1,396 | 5,584 |
| 5 | | **Switch Sockets** | | | | |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 11 | 745 | 8,190 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 15 | 915 | 13,720 |
| 6 | | **Exhaust Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA RESTURANT**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/105-a-ii** | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 2 | 5,868 | 11,736 |
| **7** | **CH-24-79-ii** | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3 Phase Meter**<br>3x50 Amp, 400 volts | Each | 1 | 22,046 | 22,046 |
| **8** | | **Distribution Board** | | | | |
| | **CH-24/93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 02<br>a) 6" deep<br>i) 20-60A<br>Size: 300 x 300 x 150mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 100 Amp TP MCCB 18KA - Incoming | Each | 2 | 14,473 | 28,947 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 8 | 1,455 | 11,641 |
| | | 16 Amps SP 10KA | Each | 16 | 1,455 | 23,282 |
| | **CH-24-88-c-iii** | 32 Amps TP 10KA | Each | 7 | 8,511 | 59,575 |
| **9** | | **Bracket Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA RESTURANT**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 12 | 7,302 | 87,625 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,722,926** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA RESTURANT**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 10 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Barn Pendant Light housed in alumimum body, Ceiling Light 220V, including bulb of 12 W, complete in all respect. | Each | 40 | 3,000 | 120,000 |
| b | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 5 | 3,000 | 15,000 |
| 11 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 13 | NS | Supply and installation of Floor Standing air conditioner 3.5 Ton with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 2 | 600,000 | 1,200,000 |
| 14 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 200 | 3,000 | 600,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **1,955,000** |
| **TOTAL COST** | | | | | | **3,677,926** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**SOLAR PARKING FOR 100 Cars and 50 Bikes**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| **a** | **CH-24-3-iii** | 25 mm dia | Meter | 100 | 446 | 44,555 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 75 | 120 | 8,989 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 35 | 240 | 8,386 |
| | **v** | 7/0.044" (6mm²) | Meter | 25 | 333 | 8,334 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | | 6mm2 | Meter | 150 | 984 | 147,623 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 3 | 1,396 | 4,188 |
| **6** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**SOLAR PARKING FOR 100 Cars and 50 Bikes**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **7** | | **Main Distribution Board** | | | | |
| | **CH-24/93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm | Cft | 3.60 | 24,467 | 88,080 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 16 Amps SP 10KA | Each | 7 | 1,455 | 10,186 |
| | | 10 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| **8** | | **M.S Fan Hook** | | | | |
| | **CH-24-54** | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 1 | 84 | 84 |
| **9** | | **Fan Dimmer** | | | | |
| | **CH-24/108-vi** | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 1 | 731 | 731 |
| **10** | | **Ceiling Fan** | | | | |
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 1 | 10,819 | 10,819 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **495,296** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**SOLAR PARKING FOR 100 Cars and 50 Bikes**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **11** | | **Light Fitting Fixtures** | | | | |
| | **NS** | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| **a** | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 2 | 3,000 | 6,000 |
| **b** | | LED decoractive light for wall mounted, 2 x 8 watts, 220/240 volts, 1200 Lumens Color Redering > 80, Power factor >0.9. Complete in all respect. | Each | 4 | 1,200 | 4,800 |
| **12** | | **Earthing System** | | | | |
| | **NS** | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| **13** | **NS** | Supply and installation of 4 core 16mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 100 | 2,000 | 200,000 |
| **14** | | **Floor Boxes** | | | | |
| | **NS** | Supply and installtion of floor boxes for 4 No of outgoings comprising of 2 light power sockets and 2 RJ-45/RJ-11. Complete in all respect. Make: Legrand, Schneider or equivalent | Set | 6 | 8,000 | 48,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **278,800** |
| **TOTAL COST** | | | | | | **774,096** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 200 | 446 | 89,110 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 150 | 120 | 17,978 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 50 | 173 | 8,650 |
| | **iv** | 7/0.036" (4mm²) | Meter | 100 | 240 | 23,960 |
| | **v** | 7/0.044" (6mm²) | Meter | 60 | 333 | 20,001 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| a | | 6mm2 | Meter | 375 | 984 | 369,056 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 2 | 878 | 1,756 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 4 | 1,396 | 5,584 |
| | **a-ix** | 20A double pole switch for AC | Each | 1 | 2,642 | 2,642 |
| **6** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 1 | 4,733 | 4,733 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Switch Sockets** | | | | |
| | CH-24/108-a-iv | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 3 | 745 | 2,234 |
| | CH-24/108-a-viii | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 5 | 915 | 4,573 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 1 | 6,048 | 6,048 |
| 9 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm<br>Qty: 01 No | Cft | 3.60 | 24,467 | 88,080 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| | | 16 Amps SP 10KA | Each | 7 | 1,455 | 10,186 |
| | | 20 Amps SP 10KA | Each | 2 | 1,455 | 1,455 |
| 10 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 1 | 84 | 84 |
| 11 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 1 | 731 | 731 |
| 12 | | **Ceiling Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. **56" dia** | Each | 1 | 10,819 | 10,819 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **828,249** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 5 | 3,000 | 15,000 |
| b | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 2 | 1,500 | 3,000 |
| c | | LED decoractive light for wall mounted, 2 x 8 watts, 220/240 volts, 1200 Lumens Color Redering > 80, Power factor >0.9. Complete in all respect. | Each | 3 | 1,200 | 3,600 |
| d | | Inground light 6W, Light efficiency: > 80lm/W, power factor> 0.5, CRI> 70, IP rated IP67. round shaped. Complete in all respect. | Each | 10 | 1,200 | 12,000 |
| 13 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 14 | | **Air Conditioner** | | | | |
| | NS | Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3$/h): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 300,000 | 300,000 |
| 15 | NS | Supply and installation of 4 core 25mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 2,500 | 375,000 |
| 16 | | **Diesel Generator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | NS | Supply, installation, testing & commissioning of Diesel generating set 15KVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 35mm² Al cable for generator connections and Cu armored conductor control cables for complete connections. Complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Each | 1 | 1,500,000 | 1,500,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **2,228,600** |
| **TOTAL COST** | | | | | | **3,056,849** |
| **TOTAL COST OF THREE NUMBER BLOCKS** | | | | | | **9,170,546** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 400 | 446 | 178,220 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 300 | 120 | 35,955 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 100 | 173 | 17,300 |
| | **iv** | 7/0.036" (4mm²) | Meter | 200 | 240 | 47,920 |
| | **v** | 7/0.044" (6mm²) | Meter | 120 | 333 | 40,002 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| a | | 6mm2 | Meter | 450 | 984 | 442,868 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 2 | 878 | 1,756 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 6 | 1,396 | 8,376 |
| | **a-ix** | 20A double pole switch for AC | Each | 4 | 2,642 | 10,568 |
| **6** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 2 | 4,733 | 9,466 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Switch Sockets** | | | | |
| | CH-24/108-a-iv | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 12 | 745 | 8,935 |
| | CH-24/108-a-viii | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 9 | 915 | 8,232 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 5 | 6,048 | 30,241 |
| 9 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm<br>Qty: 01 No | Cft | 3.60 | 24,467 | 88,080 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| | | 16 Amps SP 10KA | Each | 16 | 1,455 | 23,282 |
| | | 20 Amps SP 10KA | Each | 6 | 1,455 | 1,455 |
| 10 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 4 | 84 | 338 |
| 11 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 4 | 731 | 2,923 |
| 12 | | **Ceiling Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. **56" dia** | Each | 4 | 10,819 | 43,278 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,159,761** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 13 | 3,000 | 39,000 |
| b | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 4 | 1,500 | 6,000 |
| c | | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 2 | 1,200 | 2,400 |
| 13 | | **Earthing System** | | | | |
| | | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 14 | | **Air Conditioner** | | | | |
| | NS | Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 4 | 300,000 | 1,200,000 |
| 15 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 3,000 | 450,000 |
| 16 | | **Diesel Generator** | | | | |
| | NS | Supply, installation, testing & commissioning of Diesel generating set 15KVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 35mm² Al cable for generator connections and Cu armored conductor control cables for complete connections. Complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Each | 1 | 1,500,000 | 1,500,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **3,217,400** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | TOTAL COST | | | | 4,377,161 |
| | | TOTAL COST OF TWO NUMBER BLOCKS | | | | 8,754,322 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 600 | 446 | 267,330 |
| **b** | **CH-24-4-vi** | 50mm dia | Meter | 50 | 640 | 32,013 |
| **2** | | **uPVC Pipe** | | | | - |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 100 | 807 | 80,655 |
| **3** | | **Single Core Cable** | | | | - |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| | | **Note: Following cables are for (P+N+CPE)** | | | | - |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 500 | 120 | 59,925 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 250 | 173 | 43,250 |
| | **iv** | 7/0.036" (4mm²) | Meter | 250 | 240 | 59,900 |
| | **v** | 7/0.044" (6mm²) | Meter | 300 | 333 | 100,005 |
| | | **Three Core Cable** | | | | - |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| **a** | | 6mm2 | Meter | 500 | 984 | 492,075 |
| **4** | | **Switches** | | | | - |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | - |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 4 | 878 | 3,512 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 8 | 1,396 | 11,168 |
| | **a-ix** | 20A double pole switch for AC | Each | 6 | 2,642 | 15,853 |
| **5** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 3 | 4,733 | 14,199 |
| **6** | | **Switch Sockets** | | | | - |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 11 | 745 | 8,190 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 13 | 915 | 11,890 |
| **6** | | **Exhaust Fan** | | | | - |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB (CHASHMA)

### Complete Fire Fighting and Fire Protection Works

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 11,060,000 | |
| | **Grand.Total** | **11,060,000** | **11,060,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB (CHASHMA)

### Solar Facility

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | Solar | 10,000,000 | |
| | **Grand.Total** | **10,000,000** | **10,000,000** |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| | | **1. Parking** | | | |
| 1 | Parking Barriers for Entrance | High Speed entry and exit parking barriers with network connectivity | 5 | 225,000 | 1,125,000 |
| 1 | AI Powered Camera | AI Powered LPR (License Plate Recognition Camera) | 5 | 525,000 | 2,625,000 |
| 1 | POS Terminal | All in one POS terminals | 5 | 675,000 | 3,375,000 |
| 1 | POS Printer | High Speed Network Powered POS Printers | 5 | 120,000 | 600,000 |
| 1 | Bar/Qr code scanner | Handheld barcode / qrcode scanner | 5 | 120,000 | 600,000 |
| 1 | CCTV Camera | IP Camera | 10 | 150,000 | 1,500,000 |
| 1 | PTZ Camera | IP PTZ Camera | 3 | 525,000 | 1,575,000 |
| 1 | Environmental Monitoring | CO2 sensors | 3 | 150,000 | 450,000 |
| 1 | Networking | Fibre and Ethernet cabling Layout | 1 | 1,050,000 | 1,050,000 |
| 1 | Layer 3 Switch | Layer 3 SFP+ Uplink Switch Non POE 12/16 Port 2 SFP+ | 2 | 300,000 | 600,000 |
| 1 | Layer 3 SFP+ Uplink Switch POE | | 1 | 375,000 | 375,000 |
| | **Subtotal** | | | | **13,875,000** |
| | | **2. Information Centre** | | | |
| 2 | POS Terminal | POS Terminal all in one | 5 | 675,000 | 3,375,000 |
| 2 | POS Printer | High speed thermal printer with network / ethernet connectivity | 5 | 120,000 | 600,000 |
| 2 | Wristband Printer | Wristband Ticket Thermal Printer with network connectivity and SDK support | 5 | 225,000 | 1,125,000 |
| 2 | Ticket Material | Thermal Paper and Wearable and Returnable Wristband | 1 | 375,000 | 375,000 |
| 2 | Self Ticketing Counter | Self Service Ticketing Counter (McDonald's Style) with payment device integration | 1 | 1,350,000 | 1,350,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 2 | Flapping Barrier | Multi lane flapping barrier with qr / barcode reader | 6 | 825,000 | 4,950,000 |
| 2 | AI Powered Camera | People Counting AI Camera with complete analytics | 4 | 375,000 | 1,500,000 |
| 2 | LED TV | 65 inches LED TV | 4 | 750,000 | 3,000,000 |
| 2 | Information Kiosk | Information touch based kiosk 55 inches with stand | 2 | 975,000 | 1,950,000 |
| 2 | Large SMD | Large SMD 8 x 10 feet | 1 | 5,250,000 | 5,250,000 |
| 2 | Immersive Sound System | Immersive sound system for information centre | 1 | 750,000 | 750,000 |
| 2 | PA System | PA System throughout the park | 1 | 3,000,000 | 3,000,000 |
| 2 | Environmental Sensors | Indoor Temperature and Climatic Sensors | 2 | 150,000 | 300,000 |
| 2 | IP Camera | IP Camera | 10 | 150,000 | 1,500,000 |
| 2 | 24 Port Ethernet Switches | 25 Port Ethernet Switches | 2 | 300,000 | 600,000 |
| 2 | Cabling Infrastructure | Cabling Infrastructure | 1 | 375,000 | 375,000 |
| 2 | 24 Port POE Switche | 25 Port POE Switche | 1 | 375,000 | 375,000 |
| 2 | Access Point (AP) for Public in Information center | Access Point (AP) for Public in Information center | 2 | 127,500 | 255,000 |
| | Sound System | Integrated Sound System with 6 Outdoor Loudspeakers, Mixers and Amplifier | 1 | 5,850,000 | 5,850,000 |
| | **Subtotal** | | | | **36,480,000** |
| | | **3. Restaurant** | | | |
| 3 | Network Infrastructure | Switching infrastructure, IP Phones and Cabling | 1 | 750,000 | 750,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 3 | Wireless Access Point | Long range Wi-Fi Access point with grouping | 2 | 450,000 | 900,000 |
| | **Subtotal** | | | | **1,650,000** |
| | | **4. Security and Surveillance** | | | |
| 4 | IP cameras Throughout the Facility | IP Cameras throughout the Facility | 15 | 75,000 | 1,125,000 |
| 4 | Network Video recorder | Network Video Recorder | 1 | 240,000 | 240,000 |
| | **Subtotal** | | | | **1,365,000** |
| | | **5. Datacentre Hardware and Software Applications** | | | |
| 5 | Internet Connectivity | Enterprise dedicated Internet Connectivity Infrastructure | 1 | 1,500,000 | 1,500,000 |
| 5 | Firewall and Network Security Infrastructure | Advanced Network Security Management Infrastructure | 1 | 1,800,000 | 1,800,000 |
| 5 | Core Switches | Primary High-Performance Network Distribution System (Core Switches Infrastructure) | 1 | 2,250,000 | 2,250,000 |
| 5 | Application Server | High performance application rack server | 1 | 4,950,000 | 4,950,000 |
| 5 | HA Server | High Availability (HA) Server | 1 | 4,950,000 | 4,950,000 |
| 5 | NAS Storage | Enterprise Data Backup and Recovery Infrastructure | 1 | 840,000 | 840,000 |
| 5 | Workstation PC | Workstation PC for Control room and Datcenter | 2 | 900,000 | 1,800,000 |
| 5 | Rack and Stack | Datacenter Rack & Stack, Networking, Power Management and Backup System | 1 | 2,700,000 | 2,700,000 |
| 5 | E-Ticketing Application | Enterprise application for visitor E-Ticketing and E-Parking system | 1 | 1,500,000 | 1,500,000 |
| 5 | Backup and Retention System | Enterprise Backup and Recovery Software Solutions | 1 | 750,000 | 750,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 5 | Data Center Application Software | Server Virtualization and IT Stack monitoring and Alerting system | 1 | 3,000,000 | 3,000,000 |
| 5 | BI Analytics and Dashboards | BI, Analytics AI powered dashboard for visitor footfall analysis | 1 | 1,125,000 | 1,125,000 |
| | **Subtotal** | | | | **27,165,000** |
| | | **6. Eco Lodges & Pods** | | | |
| 6 | Network Infrastructure | Switching infrastructure, IP Phones, Wi-Fi access Point and Cabling | 4 | 375,000 | 1,500,000 |
| 6 | Radio Connectivity with the Ecolodges Section | Pont to Point Gigabit Radio (Pair) | 1 | 1,500,000 | 1,500,000 |
| | **Subtotal** | | | | **3,000,000** |
| | | **7. Biodiversity Monitoring** | | | |
| 7 | Weather Station | | 1 | 300,000 | 300,000 |
| 7 | Smart Trail | Smart trail long range camera | 3 | 375,000 | 1,125,000 |
| 7 | Bio Acoustic Sensors | Bioacoutic Sensors | 3 | 750,000 | 2,250,000 |
| 7 | Water Quality monitoring System | pH, Salinity, Dissolved Oxygen etc | 2 | 150,000 | 300,000 |
| 7 | AI Algorithmic Software for Species recognition | AI species recognition software | 1 | 750,000 | 750,000 |
| | **Subtotal** | | | | **4,725,000** |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| **8. Network Interconnectivity Backbone** | | | | | |
| 8 | Park's interconnectivity network and infrastructure backbone. | IT cabling infrastructure with LoraWAN interconnectivity | 1 | 3,750,000 | 3,750,000 |
| | | | | | |
| | **Total** | | | | **92,010,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**SUMMARY OF COST**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **Schedule items** | | | |
| 1 | CIVIL WORK | 25,147,937 | |
| | Post Detail Design and NS Items. | 42,352,063 | |
| | **Sub Total** | **67,500,000** | |
| | **Grand.Total** | **67,500,000** | **67,500,000** |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual. ii) in ordinary soil. | P.Cft | 9,444.75 | 15.82 | 149,454 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 4,722.38 | 7.55 | 35,640 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 753.01 | 16.02 | 12,065 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 483.33 | 375.16 | 181,325 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 658.01 | 121.77 | 80,126 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 284.89 | 497.23 | 141,654 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a)(i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Foundation | P.Cft | 2,284.85 | 694.70 | 1,587,287 |
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 1,224.56 | 841.70 | 1,030,714 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 14,182.89 | 303.36 | 4,302,522 |
| 10 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 208.69 | 133.60 | 27,881 |
| 11 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 417.38 | 81.94 | 34,200 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 2,421.27 | 345.45 | 836,429 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 689.06 | 357.50 | 246,340 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 553.01 | 41.07 | 22,712 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 15 | 10/16 i | Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (i) 3"(75 mm) thick | P.Sft | 630.00 | 166.54 | 104,920 |
| 16 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 1,675.80 | 312.65 | 523,939 |
| 17 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 84.00 | 384.70 | 32,315 |
| 18 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 189.00 | 1,233.15 | 233,065 |
| | **11. SURFACE RENDERING** | | | | | |
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 588.00 | 46.18 | 27,154 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 448.35 | 62.00 | 27,798 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 617.40 | 3.93 | 2,426 |
| | 11/23 a | Distempering:- a) new surface:- i) one coat | P.Sft | 617.40 | 8.76 | 5,408 |
| | | ii) two coats | P.Sft | 617.40 | 12.12 | 7,483 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **13. PAINTING AND VARNISHING** | | | | | |
| 22 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 470.77 | 47.26 | 22,248 |
| | | **ii) 2nd coat** | P.Sft | 470.77 | 26.52 | 12,485 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**ENGINEER'S COST ESTIMATE**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **25. IRON WORK** | | | | | |
| 23 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 2,310.00 | 1,648.65 | 3,808,382 |
| 24 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 29,065.09 | 389.19 | 11,311,841 |
| 25 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 7,276.50 | 11.91 | 86,663 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 7,276.50 | 24.24 | 176,382 |
| | **26. MISCELLANEOUS** | | | | | |
| 26 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 6,141.71 | 12.55 | 77,078 |
| | | | | | **Total Schedule items** | **25,147,937** |
| | | **Post Detail Design and NS Items** | | | | **42,352,063** |

0

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | | 2 | 48.75 | 10.50 | 6.00 | 6,142.50 | |
| | Walls | | 1 | 45.00 | 3.50 | 3.00 | 472.50 | |
| | Walls | | 1 | 220.00 | 3.00 | 3.00 | 1,980.00 | |
| | Plinth Protection | | | | | | - | |
| | Out Side | | 1 | 200.00 | 2.00 | 1.00 | 400.00 | |
| | | | | | **Add 5%** | **Total:** | **9,444.75** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 9,444.75 | | | **4,722.38** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Information Centre | | 1 | 38.00 | 42.00 | 4.00 | 6,384.00 | |
| | | | -0.6 | 9,444.75 | | | (5,666.85) | |
| | | | | | **Add 5%** | **Total:** | **753.01** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | F-1 | | 2 | 48.75 | 10.50 | 0.25 | 255.94 | |
| | Walls | | 1 | 45.00 | 3.50 | 0.25 | 39.38 | |
| | Walls | | 1 | 220.00 | 3.00 | 0.25 | 165.00 | |
| | | | | | **Add 5%** | **Total:** | **483.33** | Cft |
| 5 | **Brick or Stone Ballast 1½ " to 2" (40 mm to 50 mm in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Information Centre | | 1 | 38.00 | 42.00 | 0.33 | 526.68 | |
| | Plinth Protection | | | | | | | |
| | Out Side | | 1 | 200.00 | 2.00 | 0.25 | 100.00 | |
| | | | | | **Add 5%** | **Total:** | **658.01** | Cft |

0

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Information Centre | | 1 | 38.00 | 42.00 | 0.17 | 271.32 | |
| | | | | | **Add 5%** | **Total:** | **284.89** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | F-1 | | 2 | 48.75 | 10.00 | 2.00 | 1,950.00 | |
| | Walls | | 1 | 45.00 | 3.00 | 0.33 | 44.55 | |
| | Walls | | 1 | 220.00 | 2.50 | 0.33 | 181.50 | |
| | | | | | **Add 5%** | **Total:** | **2,284.85** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1 | | 10 | 4.50 | 3.00 | 7.25 | 978.75 | |
| ii | **Plinth Bemas** | | | | | | | |
| | | | 1 | 125.00 | 1.50 | 1.00 | 187.50 | |
| | | | | | **Add 5%** | **Total** | **1,224.56** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 2,284.85 | 3.50 | Per Cft | 7,996.98 | |
| | Superstructural | | 1 | 1,224.56 | 4.50 | Per Cft | 5,510.53 | |
| | | | | | **Add 5%** | **Total** | **14,182.89** | Kg |
| 10 | **Horizontal DPC** | | | | | | | |
| | Walls | | 1 | 45.00 | 0.75 | | 33.75 | |
| | Walls | | 1 | 220.00 | 0.75 | | 165.00 | |
| | | | | | **Add 5%** | **Total:** | **208.69** | Sft |
| 11 | **Vertical DPC** | | | | | | | |
| | Walls | | 1 | 45.00 | | 1.50 | 67.50 | |
| | Walls | | 1 | 220.00 | | 1.50 | 330.00 | |

0

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total:** | **417.38** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **1st Steps** | | | | | | | |
| | F-1 Wall | | 2 | 40.00 | 2.25 | 0.50 | 90.00 | |
| | Walls | | 1 | 45.00 | 1.88 | 0.50 | 42.30 | |
| | Walls | | 1 | 220.00 | 1.88 | 0.50 | 206.80 | |
| | **2nd Steps** | | | | | | | |
| | F-1 Wall | | 2 | 40.00 | 1.88 | 0.50 | 75.00 | |
| | Walls | | 1 | 45.00 | 1.50 | 0.50 | 33.75 | |
| | Walls | | 1 | 220.00 | 1.50 | 0.50 | 165.00 | |
| | **3rd Steps** | | | | | | | |
| | F-1 Wall | | 2 | 40.00 | 1.50 | 4.00 | 480.00 | |
| | Walls | | 1 | 45.00 | 1.13 | 0.50 | 25.31 | |
| | Walls | | 1 | 220.00 | 1.13 | 0.50 | 123.75 | |
| | **4th Steps** | | | | | | | |
| | Walls | | 1 | 45.00 | 0.75 | 4.75 | 160.31 | |
| | Walls | | 1 | 220.00 | 0.75 | 4.75 | 783.75 | |
| | Entrance Steps | | | | | | | |
| | 1st Steps | | 2 | 20.00 | 3.00 | 0.50 | 60.00 | |
| | 2nd Steps | | 2 | 20.00 | 2.00 | 0.50 | 40.00 | |
| | 3rd steps | | 2 | 20.00 | 1.00 | 0.50 | 20.00 | |
| | | | | | **Add 5%** | **Total:** | **2,421.27** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | F-1 Wall | | 1 | 125.00 | 1.50 | 3.50 | 656.25 | |
| | | | | | **Add 5%** | **Total:** | **689.06** | Cft |

0

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**INFORMATION CENTER**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 14 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Information Centre | | 1 | 38.00 | 42.00 | 0.33 | 526.68 | |
| | | | | | **Add 5%** | **Total:** | **553.01** | **Cft** |
| 15 | **Plinth Protection** | | | | | | | |
| | Out Side | | 1 | 200.00 | 3.00 | | 600.00 | |
| | | | | | **Add 5%** | **Total:** | **630.00** | **Sft** |
| 16 | **Superb Quality Ceramic tile** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Information Centre | | 1 | 38.00 | 42.00 | | 1,596.00 | |
| | | | | | **Add 5%** | **Total** | **1,675.80** | Sft |
| 17 | **Wall skirting/dado** | | | | | | | |
| | Hall | | 1 | 160.00 | | 0.50 | 80.00 | |
| | | | | | **Add 5%** | **Total** | **84.00** | Sft |
| 18 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | 1st Treads | | 6 | 20.00 | 1.00 | | 120.00 | |
| | 1st Riser | | 6 | 20.00 | | 0.50 | 60.00 | |
| | | | | | **Add 5%** | **Total** | **189.00** | Sft |
| 19 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Hall | | 2 | 38.00 | | 3.50 | 266.00 | |
| | Hall | | 2 | 42.00 | | 3.50 | 294.00 | |
| | | | | | **Add 5%** | **Total** | **588.00** | Sft |
| 20 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 0 | | | | | |
| | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | | | | | | | |
| | INFORMATION CENTER | | | | | | | |
| | MEASURMENT SHEETS | | | | | | | |
| | **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| | **External wall** | | | | | | | |
| | Hall | | 1 | 122.00 | | 3.50 | 427.00 | |
| | | | | | **Add 5%** | **Total** | **448.35** | Sft |
| 21 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 588.00 | |
| | | | | | **Add 5%** | **Total** | **617.40** | Sft |
| 22 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 448.35 | |
| | | | | | **Add 5%** | **Total** | **470.77** | Sft |
| 23 | **Sand which Panel with insulation** | | | | | | | |
| i | Sheet Area | | 1 | 2,200.00 | Area | | 2,200.00 | |
| | | | | | **Add 5%** | **Total** | **2,310.00** | Sft |
| 24 | **Fabrication of heavy steel work** | | | | | | | |
| | MS Box Girder 9"X18" | 1 | 5 | 50.00 | 4.50 | 0.042 | 47.25 | Cft |
| | MS Box Girder 9"X12" | 1 | 2 | 42.00 | 3.50 | 0.042 | 12.35 | Cft |
| | MS Box Girder 6"X6" | 1 | 10 | 40.00 | 2.00 | 0.021 | 16.80 | Cft |
| | M.S Base plate 50"x32" | 1 | 10 | 4.17 | 2.67 | 0.125 | 13.92 | Cft |
| | Columns | 1 | 10 | 12.00 | 4.50 | 0.042 | 22.68 | Cft |
| | Anchor Bols in Columns | 8 | 10 | 0.006 | Area | 3.50 | 0.19 | Cft |
| | | | | | **Add 5%** | **Total** | **118.85** | Cft |
| | | | | **118.85** | Lbs Per cft | **490.00** | **58,235.86** | Lbs |
| | | | | | | **Total** | **26,422.81** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **29,065.09** | Kg |
| 25 | **Painting of Iron Work** | | | | | | | |

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## SUMMARY OF COST

### Construction of the Craft Bazar

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 14,090,442 | |
| | **Total Schedule Items** | **14,090,442** | **14,090,442** |
| | **Net Total** | | **14,090,442** |

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### SUMMARY OF COST

### Construction of the Craft Bazar

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 3,052.09 | 15.82 | 48,284.02 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 1,526.04 | 7.54 | 11,506.37 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 659.14 | 16.02 | 10,559.38 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 38.98 | 375.16 | 14,624.21 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 36.25 | 121.77 | 4,414.47 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 18.68 | 497.23 | 9,286.05 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Bazar**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Foundation | P.Cft | 124.35 | 694.70 | 86,383.34 |
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 116.25 | 841.70 | 97,851.57 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 875.71 | 303.36 | 265,656.08 |
| | **7. BRICK WORK** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 359.79 | 345.45 | 124,289.13 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 358.02 | 367.50 | 131,571.32 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 36.25 | 41.07 | 1,488.89 |
| 13 | 10/46 a (iii) | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (iii) 600mmx 600 mm | P.Sft | 109.86 | 450.10 | 49,446.30 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Bazar**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 14 | 10/38 a (iii) | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 23.36 | 451.50 | 10,548.17 |
| | **11. SURFACE RENDERING** | | | | | |
| 15 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 492.71 | 46.18 | 22,753.46 |
| 16 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 571.20 | 62.00 | 35,414.40 |
| 17 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 517.35 | 3.93 | 2,033.18 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 517.35 | 8.76 | 4,531.97 |
| | | ii) two coats | P.Sft | 517.35 | 12.12 | 6,270.26 |
| 18 | 11/41 | Providing and fixing 3/4" (19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. | P.Sft | 151.20 | 320.05 | 48,391.56 |
| | **12. WOOD WORK** | | | | | |
| 19a | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 22.05 | 14,189.05 | 312,856.04 |
| 19b | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 524.98 | 74.32 | 39,016.44 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Bazar**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 20 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 34.65 | 950.00 | 32,917.50 |
| 21 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 34.65 | 756.80 | 26,223.12 |
| 22 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 1.05 | 178.30 | 187.22 |
| 23 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 1.05 | 4,400.25 | 4,620.26 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 24 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 599.76 | 47.26 | 28,344.66 |
| | | **ii) 2nd coat** | P.Sft | 599.76 | 26.52 | 15,905.64 |
| | **25. IRON WORK** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Bazar**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 25 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 136.50 | 1,306.55 | 178,344.08 |
| 26 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 71.66 | 542.80 | 38,898.41 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Bazar**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 27 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 143.33 | 1,192.45 | 170,907.90 |
| 28 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 269.06 | 1,648.65 | 443,589.89 |
| 29 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 4,397.36 | 389.19 | 1,711,407.02 |
| 30 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 847.55 | 11.91 | 10,094.28 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 1,695.09 | 24.24 | 41,089.07 |
| 31 | 23/26-b | Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects: -b) 4" i/d (100 mm) | Rft | 72.00 | 514.90 | 37,072.80 |
| | **26. MISCELLANEOUS** | | | | | |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**SUMMARY OF COST**

**Construction of the Craft Bazar**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 32 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 1,088.72 | 12.55 | 13,663.42 |
| | | **Total for Each** | | | | **4,090,442** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **10,000,000** |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **14,090,442** |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Bazar**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 7.50 | 7.00 | 1,443.75 | |
| | Footing | | 4 | 5.50 | 9.50 | 7.00 | 1,463.00 | |
| | | | | | **Add 5%** | **Total:** | **3,052.09** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 3,052.09 | | | **1,526.04** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 6.00 | 627.75 | |
| | | | | | **Add 5%** | **Total:** | **659.14** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 3.50 | 0.25 | 6.88 | |
| | Footing | | 4 | 5.50 | 5.50 | 0.25 | 30.25 | |
| | | | | | **Add 5%** | **Total:** | **38.98** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 0.33 | 34.53 | |
| | | | | | **Add 5%** | **Total:** | **36.25** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 0.17 | 17.79 | |
| | | | | | **Add 5%** | **Total:** | **18.68** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 27.50 | 3.00 | 0.67 | 18.43 | |
| | Footing | | 4 | 5.00 | 5.00 | 1.00 | 100.00 | |
| | | | | | **Add 5%** | **Total:** | **124.35** | Cft |

| MEASURMENT SHEETS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| SUMMARY OF COST | | | | | | | | |
| Construction of the Craft Bazar | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 42.50 | 0.75 | 0.75 | 23.91 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 42.50 | 0.75 | 0.75 | 23.91 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 42.50 | 0.75 | 0.75 | 23.91 | |
| iv | **Plinth Columns** | | | | | | | |
| | C-1 | | 4 | 1.00 | 1.00 | 9.75 | 39.00 | |
| | | | | | **Add 5%** | **Total** | **116.25** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 124.35 | 2.50 | Per Cft | 310.87 | |
| | Superstructural | | 1 | 116.25 | 4.50 | Per Cft | 523.15 | |
| | | | | | **Add 5%** | **Total** | **875.71** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 42.50 | 1.88 | 0.50 | 39.84 | |
| | **2nd Steps** | | | | | | | |
| | Long Wall A | | 1 | 42.50 | 1.50 | 0.50 | 31.88 | |
| | **3rd Steps** | | | | | | | |
| | Long Wall A | | 1 | 42.50 | 1.13 | 0.50 | 23.91 | |
| | **4th Steps** | | | | | | | |
| | Long Wall A | | 1 | 42.50 | 0.75 | 7.75 | 247.03 | |
| | | | | | **Add 5%** | **Total:** | **359.79** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | Avg | | |
| | Shop | | 2 | 15.00 | 0.75 | 14.63 | 329.06 | |

| MEASURMENT SHEETS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| SUMMARY OF COST | | | | | | | | |
| Construction of the Craft Bazar | | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | | |
| **Sr.No** | **DESCRIPTION** | | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | | **Length** | **Breadth** | **Height** | | |
| | | | 2 | 6.75 | 0.75 | 13.25 | 134.16 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 3.00 | 0.75 | 11.00 | (24.75) | |
| | W-1 | | -2 | 4.00 | 0.75 | 11.00 | (66.00) | |
| | W-2 | | -2 | 3.00 | 0.75 | 7.00 | (31.50) | |
| | | | | | **Add 5%** | **Total:** | **358.02** | Cft |
| 12 | **Sand filling** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | 0.33 | 34.53 | |
| | | | | | **Add 5%** | **Total:** | **36.25** | **Cft** |
| 13 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Shop | | 1 | 15.50 | 6.75 | | 104.63 | |
| | | | | | **Add 5%** | **Total** | **109.86** | Sft |
| 14 | **Wall skirting** | | | | | | | |
| | Shop | | 2 | 15.50 | | 0.50 | 15.50 | |
| | Shop | | 2 | 6.75 | | 0.50 | 6.75 | |
| | | | | | **Add 5%** | **Total** | **23.36** | Sft |
| 15 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Shop | | 2 | 15.50 | | 14.63 | 453.38 | |
| | Shop | | 2 | 6.75 | | 13.25 | 178.88 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.00 | | 11.00 | (33.00) | |
| | W-1 | | -2 | 4.00 | | 11.00 | (88.00) | |
| | W-2 | | -2 | 3.00 | | 7.00 | (42.00) | |
| | | | | | **Add 5%** | **Total** | **492.71** | Sft |
| 16 | **External Wall Plaster** | | | | | | | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Bazar**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | | | 1 | 50.50 | Rft | 14.00 | 707.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.00 | | 11.00 | (33.00) | |
| | W-1 | | -2 | 4.00 | | 11.00 | (88.00) | |
| | W-2 | | -2 | 3.00 | | 7.00 | (42.00) | |
| | | | | | **Add 5%** | **Total** | **571.20** | Sft |
| 17 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 492.71 | |
| | | | | | **Add 5%** | **Total** | **517.35** | Sft |
| 18 | **Sandstone** | | | | | | | |
| | duck Area wall | | 1 | 48.00 | | 3.00 | 144.00 | |
| | | | | | **Add 5%** | **Total** | **151.20** | Sft |
| 19a | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | 0.042 | 3.86 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | 0.042 | 4.20 | |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | 0.042 | 4.00 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | 0.042 | 0.86 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | 0.042 | 1.28 | |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | 0.042 | 6.80 | |
| | | | | | **Add 5%** | **Total:** | **22.05** | **Cft** |
| 19b | **Wooden Cladding Sheet** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 2 | 23.00 | 2.00 | | 92.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 2 | 12.50 | 2.00 | | 100.00 | |

**MEASURMENT SHEETS**

**SUMMARY OF COST**

**Construction of the Craft Bazar**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Top Purlin 4"x6"x1/4" | 2 | 4 | 10.25 | 1.16 | | 95.12 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 4 | 10.25 | 0.25 | | 20.50 | |
| | Center Box 4"x4"x1/2" | 1 | 2 | 11.50 | 1.32 | | 30.36 | |
| | Columns Box 9"x9"x1/2" | 1 | 4 | 13.50 | 3.00 | | 162.00 | |
| | | | | | **Add 5%** | **Total:** | **524.98** | **Sft** |
| 20 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-2 | | 1 | 3.00 | | 11.00 | 33.00 | |
| | | | | | **Add 5%** | **Total** | **34.65** | Cft |
| 21 | **MS/ GI Chowkat singel/double** | | | | | | | |
| | D-2 | | 1 | 3.00 | | 11.00 | 33.00 | |
| | | | | | **Add 5%** | **Total** | **34.65** | Sft |
| 22 | **Door Stops** | | | | | | | |
| | D-2 | | 1 | 1.00 | | | 1.00 | |
| | | | | | **Add 5%** | **Total** | **1.05** | Each |
| 23 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | D-2 | | 1 | 1.00 | | | 1.00 | |
| | | | | | **Add 5%** | **Total** | **1.05** | Each |
| 24 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 571.20 | |
| | | | | | **Add 5%** | **Total** | **599.76** | Sft |
| 25 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 2 | 4.00 | | 11.00 | 88.00 | |
| | W-2 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | **Add 5%** | **Total** | **136.50** | Sft |
| 26 | **Aluminum Fly screen** | | | | | | | |

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## RESTAURANT

## SUMMARY OF COST

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KHUSHAB**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **Schedule items** | | | |
| 1 | CIVIL WORK | 76,500,000 | |
| | **Sub Total** | **76,500,000** | |
| | **Grand.Total** | **76,500,000** | **76,500,000** |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## RESTAURANT

## CIVIL WORK

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual. ii) in ordinary soil. | P.Cft | 6,725.76 | 15.82 | 106,428 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 3,362.88 | 7.55 | 25,380 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 9,618.00 | 16.02 | 154,109 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 517.37 | 375.16 | 194,095 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 793.49 | 121.77 | 96,623 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 408.77 | 497.23 | 203,250 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a)(i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) | | | | |

# ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## RESTAURANT

## CIVIL WORK

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Foundation | P.Cft | 1,523.73 | 694.70 | 1,058,534 |
| 8 | 6/6 ai 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 2,477.25 | 841.70 | 2,085,103 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 17,304.72 | 303.36 | 5,249,559 |
| | **7. BRICK WORK** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 596.14 | 345.45 | 205,936 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 1,771.88 | 357.50 | 633,445 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 793.49 | 41.07 | 32,588 |
| 13 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (iii) 600mmx 600 mm | P.Sft | 2,404.50 | 450.10 | 1,082,265 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 14 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (iii) 600mmx 600 mm | P.Sft | 108.15 | 451.50 | 48,830 |
| 15 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 15.75 | 1,233.15 | 19,422 |
| | **11. SURFACE RENDERING** | | | | | |
| 16 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,163.00 | 46.18 | 99,887 |
| 17 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,163.00 | 62.00 | 134,106 |
| 18 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 2,271.15 | 3.93 | 8,926 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 2,271.15 | 8.76 | 19,895 |
| | | ii) two coats | P.Sft | 2,271.15 | 12.12 | 27,526 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 19 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 2,271.15 | 47.26 | 107,335 |
| | | **ii) 2nd coat** | P.Sft | 2,271.15 | 26.52 | 60,231 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 20 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 3,360.00 | 1,648.65 | 5,539,464 |
| 21 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 17,141.91 | 389.22 | 6,671,974 |
| 22 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 10,584.00 | 11.91 | 126,055 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 10,584.00 | 24.24 | 256,556 |

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**CIVIL WORK**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) DISTRICT KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **26. MISCELLANEOUS** | | | | | |
| 23 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 10,130.18 | 12.55 | 127,134 |
| | | **Total Schedule items** | | | | **24,374,658** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | 52,125,342 |
| | | **Total** | | | | **76,500,000** |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing F-1 | | 14 | 28.28 | Area | 3.25 | 1,286.74 | |
| | Section A-A | | 1 | 225.00 | 7.00 | 3.25 | 5,118.75 | |
| | | | | | **Add 5%** | **Total:** | **6,725.76** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 6,725.76 | | | **3,362.88** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 2,290.00 | Area | 4.00 | 9,160.00 | |
| | | | | | **Add 5%** | **Total:** | **9,618.00** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing F-1 | | 14 | 28.28 | Area | 0.25 | 98.98 | |
| | Section A-A | | 1 | 225.00 | 7.00 | 0.25 | 393.75 | |
| | | | | | **Add 5%** | **Total:** | **517.37** | Cft |
| 5 | **Brick or Stone Ballast 1½ " to 2" (40 mm to 50 mm in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Sitting Hall | | 1 | 2,290.00 | Area | 0.33 | 755.70 | |
| | | | | | **Add 5%** | **Total:** | **793.49** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 2,290.00 | Area | 0.17 | 389.30 | |
| | | | | | **Add 5%** | **Total:** | **408.77** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing F-1 | | 14 | 28.28 | Area | 1.00 | 395.92 | |
| | Section A-A | | 1 | 225.00 | 7.00 | 0.67 | 1,055.25 | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total:** | **1,523.73** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1 | | 14 | 28.28 | Area | 5.00 | 1,979.60 | |
| ii | **Plinth Band** | | | | | | | |
| | | | 3 | 225.00 | 0.75 | 0.75 | 379.69 | |
| | | | | | **Add 5%** | **Total** | **2,477.25** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 1,523.73 | 3.50 | Per Cft | 5,333.05 | |
| | Superstructural | | 1 | 2,477.25 | 4.50 | Per Cft | 11,147.63 | |
| | | | | | **Add 5%** | **Total** | **17,304.72** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |
| | **1st Steps** | | | | | | | |
| | Section A-A | | 1 | 225.00 | 1.50 | 0.50 | 168.75 | |
| | **2nd Steps** | | | | | | | |
| | Section A-A | | 1 | 225.00 | 1.13 | 0.50 | 126.56 | |
| | **3rd Steps** | | | | | | | |
| | Section A-A | | 2 | 39.25 | 0.75 | 4.50 | 264.94 | |
| | Entrance Steps | | | | | | | |
| | 1st Steps | | 1 | 5.00 | 2.00 | 0.50 | 5.00 | |
| | 2nd Steps | | 1 | 5.00 | 1.00 | 0.50 | 2.50 | |
| | | | | | **Add 5%** | **Total:** | **596.14** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Section A-A | | 1 | 225.00 | 0.75 | 10.00 | 1,687.50 | |
| | | | | | | **Total:** | **1,771.88** | Cft |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 12 | **Sand filling** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 2,290.00 | Area | 0.33 | 755.70 | |
| | | | | | **Add 5%** | **Total:** | **793.49** | **Cft** |
| 13 | **Porcelain (Wooden Texture Tile)** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 2,290.00 | Area | | 2,290.00 | |
| | | | | | **Add 5%** | **Total** | **2,404.50** | Sft |
| 14 | **Wall skirting** | | | | | | | |
| | Sitting Hall | | 1 | 206.00 | | 0.50 | 103.00 | |
| | | | | | **Add 5%** | **Total** | **108.15** | Sft |
| 15 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | | | | | | |
| | **Front Side** | | | | | | | |
| | 1st Treads | | 1 | 5.00 | 1.00 | | 5.00 | |
| | 2nd Treads | | 1 | 5.00 | 1.00 | | 5.00 | |
| | 1st Riser | | 1 | 5.00 | | 0.50 | 2.50 | |
| | 2nd Riser | | 1 | 5.00 | | 0.50 | 2.50 | |
| | | | | | **Add 5%** | **Total** | **15.75** | Sft |
| 16 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Sitting Hall | | 1 | 206.00 | | 10.00 | 2,060.00 | |
| | | | | | **Add 5%** | **Total** | **2,163.00** | Sft |
| 17 | **External Wall Plaster** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |

#REF!

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**RESTAURANT**

**MEASURMENT SHEETS**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | 1 | 206.00 | | 10.00 | 2,060.00 | |
| | | | | | **Add 5%** | **Total** | **2,163.00** | Sft |
| 18 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 2,163.00 | |
| | | | | | **Add 5%** | **Total** | **2,271.15** | Sft |
| 19 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 2,163.00 | |
| | | | | | **Add 5%** | **Total** | **2,271.15** | Sft |
| 20 | **Sandwich Panels** | | | | | | | |
| i | Sheet Area | | 1 | 3,200.00 | Area | | 3,200.00 | |
| | | | | | **Add 5%** | **Total** | **3,360.00** | Sft |
| 21 | **Fabrication of heavy steel work** | | | | | | | |
| | MS Box B-1 | 1 | 1 | 111.00 | 2.00 | 0.042 | 9.32 | Cft |
| | MS Box B-1 | 1 | 1 | 85.00 | 2.00 | 0.042 | 7.14 | Cft |
| | MS Box B-1 | 1 | 1 | 75.00 | 2.00 | 0.042 | 6.30 | Cft |
| | MS Box B-1 | 1 | 1 | 18.00 | 2.00 | 0.042 | 1.51 | Cft |
| | MS Box B-1 | 1 | 1 | 34.00 | 2.00 | 0.042 | 2.86 | Cft |
| | MS Box B-1 | 1 | 1 | 25.00 | 2.00 | 0.042 | 2.10 | Cft |
| | MS Box B-1 | 1 | 1 | 18.00 | 2.00 | 0.042 | 1.51 | Cft |
| | MS Box B-1 | 1 | 1 | 40.00 | 2.00 | 0.042 | 3.36 | Cft |
| | MS Box B-1 | 1 | 1 | 36.75 | 2.00 | 0.042 | 3.09 | Cft |
| | MS Box B-1 | 1 | 1 | 32.50 | 2.00 | 0.042 | 2.73 | Cft |
| | MS Box B-1 | 1 | 1 | 25.00 | 2.00 | 0.042 | 2.10 | Cft |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Photography Deck

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 10,000,000 | |
| | **Grand.Total** | **10,000,000** | **10,000,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## Painting Spots

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 10,000,000 | |
| | **Grand.Total** | **10,000,000** | **10,000,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Boating Deck

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 10,000,000 | |
| | **Grand.Total** | **10,000,000** | **10,000,000** |

**ROUGH COST ESTIMATE**

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Construction of Ecolodges Single Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 57,000,000 | |
| | **Net Total** | **57,000,000** | **57,000,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 9,993.47 | 15.82 | 158,096.75 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 4,996.74 | 7.54 | 37,675.39 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 5,536.13 | 16.02 | 88,688.72 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 242.52 | 375.16 | 90,982.75 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 304.49 | 121.77 | 37,077.37 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 156.86 | 497.23 | 77,993.94 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 438.23 | 694.70 | 304,438.82 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 370.45 | 841.70 | 311,810.40 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 2,900.75 | 303.36 | 879,970.43 |
| | **7. BRICK WORK** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,965.93 | 345.45 | 679,129.87 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 610.76 | 367.50 | 224,452.63 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 304.49 | 41.07 | 12,505.28 |
| 13 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | P.Sft | 609.00 | 2,511.75 | 1,529,655.75 |
| 14 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 259.35 | 450.10 | 116,733.44 |
| 15 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 53.03 | 451.50 | 23,940.79 |
| 16 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 58.54 | 1,233.15 | 72,185.52 |
| | **11. SURFACE RENDERING** | | | | | |
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 950.84 | 46.18 | 43,909.82 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 890.47 | 62.00 | 55,208.87 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 998.38 | 3.93 | 3,923.64 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 998.38 | 8.76 | 8,745.83 |
| | | ii) two coats | P.Sft | 998.38 | 12.12 | 12,100.40 |
| | **12. WOOD WORK** | | | | | |
| 20 | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 43.05 | 14,189.05 | 610,907.14 |
| 21 | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 1,025.12 | 74.32 | 76,186.55 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 22 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 25.73 | 950.00 | 24,438.75 |
| 23 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 27.01 | 756.80 | 20,442.11 |
| 24 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 1.00 | 178.30 | 178.30 |
| 25 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 1.00 | 4,400.25 | 4,400.25 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 934.99 | 47.26 | 44,187.58 |
| | | **ii) 2nd coat** | P.Sft | 934.99 | 26.52 | 24,795.91 |
| | **25. IRON WORK** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 27 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 65.56 | 1,306.55 | 85,656.60 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 34.42 | 542.80 | 18,682.46 |
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 68.84 | 1,192.45 | 82,085.09 |
| 30 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 703.50 | 1,648.65 | 1,159,825.28 |
| 31 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 9,453.13 | 389.19 | 3,679,062.56 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 32 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 2,216.03 | 11.91 | 26,392.86 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 2,216.03 | 24.24 | 53,716.45 |
| | **26. MISCELLANEOUS** | | | | | |
| 33 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 24,699.78 | 12.55 | 309,982.22 |
| 34 | NS-1 | Providing and fixing 2" thick WPC (wood plastic composite) solid door enviroment friendly complete in all respect as approved by Engineer Incharge. | P.Sft | 17.50 | 1,750.00 | 30,625.00 |
| 35 | NS-2 | Providing and fixing wood plastic composite WPC architrave 3" x (3/4" tapered to ¼") all along the door frame complete in all respect. | P.Sft | 35.00 | 350.00 | 12,250.00 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | **Total Cost for Each** | | | | **11,033,041** |
| | | **Total Cost for 3 Nos.** | | | | **33,099,124** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **23,900,876** |
| | | **NON-SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **57,000,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 9.50 | 5.25 | 4,239.38 | |
| | Footing Wall B | | 1 | 10.75 | 9.50 | 5.25 | 536.16 | |
| | Toe Wall | | 1 | 92.00 | 7.00 | 5.25 | 3,381.00 | |
| | Planter | | 1 | 20.50 | 6.50 | 5.25 | 699.56 | |
| | Planter | | 1 | 28.00 | 4.50 | 5.25 | 661.50 | |
| | | | | | **Add 5%** | **Total:** | **9,993.47** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 9,993.47 | | | **4,996.74** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 6.00 | 1,170.00 | |
| | Bath | | 1 | 8.00 | 6.50 | 6.00 | 312.00 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 6.00 | 310.50 | |
| | Sitting Duck | | 1 | 580.00 | Area | 6.00 | 3,480.00 | |
| | | | | | **Add 5%** | **Total:** | **5,536.13** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 5.50 | 0.25 | 116.88 | |
| | Footing Wall B | | 1 | 10.75 | 5.50 | 0.25 | 14.78 | |
| | Toe Wall | | 1 | 92.00 | 3.00 | 0.25 | 69.00 | |
| | Planter | | 1 | 20.50 | 2.50 | 0.25 | 12.81 | |
| | Planter | | 1 | 28.00 | 2.50 | 0.25 | 17.50 | |
| | | | | | **Add 5%** | **Total:** | **242.52** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 0.33 | 64.35 | |
| | Bath | | 1 | 8.00 | 6.50 | 0.33 | 17.16 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 0.33 | 17.08 | |
| | Sitting Duck | | 1 | 580.00 | Area | 0.33 | 191.40 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total:** | **304.49** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 0.17 | 33.15 | |
| | Bath | | 1 | 8.00 | 6.50 | 0.17 | 8.84 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 0.17 | 8.80 | |
| | Sitting Duck | | 1 | 580.00 | Area | 0.17 | 98.60 | |
| | | | | | **Add 5%** | **Total:** | **156.86** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 5.00 | 0.67 | 284.75 | |
| | Footing Wall B | | 1 | 10.75 | 5.00 | 0.67 | 36.01 | |
| | Toe Wall | | 1 | 92.00 | 2.50 | 0.42 | 96.60 | |
| | | | | | **Add 5%** | **Total:** | **438.23** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 0.75 | 0.75 | 47.81 | |
| ii | **Lintel Band** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 0.75 | 0.75 | 47.81 | |
| iii | **Roof Band** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 0.75 | 0.75 | 47.81 | |
| | Kitchen shelf | | 1 | 25.00 | 2.00 | 0.25 | 12.50 | |
| iv | **P-1** | | | | | | | |
| | | | 10 | 1.50 | 1.50 | 8.75 | 196.88 | |
| | | | | | **Add 5%** | **Total** | **370.45** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 438.23 | 2.50 | Per Cft | 1,095.58 | |
| | Superstructural | | 1 | 370.45 | 4.50 | Per Cft | 1,667.04 | |
| | | | | | **Add 5%** | **Total** | **2,900.75** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 1.50 | 0.50 | 63.75 | |
| | Toe Wall | | 1 | 92.00 | 1.50 | 8.50 | 1,173.00 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 1.13 | 0.50 | 47.81 | |
| | **3rd Steps** | | | | | | | |
| | Ecologes | | 1 | 85.00 | 0.75 | 6.50 | 414.38 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 50.00 | 3.00 | 0.50 | 75.00 | |
| | 2nd step | | 1 | 48.00 | 2.00 | 0.50 | 48.00 | |
| | 3rd step | | 1 | 46.00 | 1.00 | 0.50 | 23.00 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 9.25 | 3.00 | 0.50 | 13.88 | |
| | 2nd step | | 1 | 9.00 | 2.00 | 0.50 | 9.00 | |
| | 3rd step | | 1 | 9.00 | 1.00 | 0.50 | 4.50 | |
| | | | | | **Add 5%** | **Total:** | **1,965.93** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Ecologes | | 2 | 19.50 | 0.75 | 10.00 | 292.50 | |
| | | | 2 | 10.00 | 0.75 | 10.00 | 150.00 | |
| | Bath | | 2 | 8.00 | 0.75 | 10.00 | 120.00 | |
| | | | 2 | 6.50 | 0.75 | 10.00 | 97.50 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 3.50 | 0.75 | 7.00 | (18.38) | |
| | D-2 | | -1 | 2.50 | 0.75 | 7.00 | (13.13) | |
| | W-1 | | -1 | 6.00 | 0.75 | 5.25 | (23.63) | |
| | W-2 | | -1 | 4.75 | 0.75 | 5.25 | (18.70) | |
| | V-1 | | -1 | 3.00 | 0.75 | 2.00 | (4.50) | |
| | | | | | **Add 5%** | **Total:** | **610.76** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 12 | **Sand filling** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 0.33 | 64.35 | |
| | Bath | | 1 | 8.00 | 6.50 | 0.33 | 17.16 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 0.33 | 17.08 | |
| | Sitting Duck | | 1 | 580.00 | Area | 0.33 | 191.40 | |
| | | | | | **Add 5%** | **Total:** | **304.49** | **Cft** |
| 13 | **Shisham wood block flooring** | | | | | | | |
| | Duck Area | | 1 | 580.00 | Area | | 580.00 | |
| | | | | | **Add 5%** | **Total:** | **609.00** | **Sft** |
| 14 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | | 195.00 | |
| | Bath | | 1 | 8.00 | 6.50 | | 52.00 | |
| | | | | | **Add 5%** | **Total** | **259.35** | Sft |
| 15 | **Wall skirting** | | | | | | | |
| | Ecologes | | 2 | 19.50 | | 0.50 | 19.50 | |
| | Ecologes | | 2 | 10.00 | | 0.50 | 10.00 | |
| | Bath | | 2 | 8.00 | | 0.50 | 8.00 | |
| | Bath | | 4 | 6.50 | | 0.50 | 13.00 | |
| | | | | | **Add 5%** | **Total** | **53.03** | Sft |
| 16 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | Risers | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | W-1 | | 1 | 6.00 | 1.00 | | 6.00 | |
| | W-2 | | 1 | 4.75 | 1.00 | | 4.75 | |
| | V-1 | | 1 | 3.00 | 1.00 | | 3.00 | |
| | | | | | **Add 5%** | **Total** | **58.54** | Sft |
| 17 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 2 | 19.50 | | 10.00 | 390.00 | |
| | Ecologes | | 2 | 10.00 | | 10.00 | 200.00 | |
| | Bath | | 2 | 8.00 | | 10.00 | 160.00 | |
| | Bath | | 4 | 6.50 | | 10.00 | 260.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | D-2 | | -1 | 2.50 | | 7.00 | (17.50) | |
| | W-1 | | -1 | 6.00 | | 5.25 | (31.50) | |
| | W-2 | | -1 | 4.75 | | 5.25 | (24.94) | |
| | V-1 | | -1 | 3.00 | | 2.00 | (6.00) | |
| | | | | | **Add 5%** | **Total** | **950.84** | Sft |
| 18 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 1 | 85.00 | | 11.00 | 935.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | W-1 | | -1 | 6.00 | | 5.25 | (31.50) | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-2 | | -1 | 4.75 | | 5.25 | (24.94) | |
| | V-1 | | -1 | 3.00 | | 2.00 | (6.00) | |
| | | | | | **Add 5%** | **Total** | **890.47** | Sft |
| 19 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 950.84 | |
| | | | | | **Add 5%** | **Total** | **998.38** | Sft |
| 20 | **Wooden Cladding Sheet** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 13.50 | 2.00 | 0.042 | 4.54 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 1 | 11.50 | 2.00 | 0.042 | 0.97 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | 0.042 | 6.55 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 1 | 7.75 | 2.00 | 0.042 | 1.30 | |
| | Top Purlin 3"x6"x1/4" | 2 | 3 | 27.50 | 1.00 | 0.042 | 6.93 | |
| | Top Purlin 3"x6"x1/4" | 2 | 2 | 7.25 | 1.00 | 0.042 | 1.22 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 3 | 27.50 | 0.25 | 0.042 | 1.73 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 2 | 7.25 | 0.25 | 0.042 | 0.30 | |
| | Center Box 4"x4"x1/2" | 1 | 4 | 13.50 | 1.32 | 0.042 | 2.99 | |
| | Center Box 4"x4"x1/2" | 1 | 1 | 11.00 | 1.32 | 0.042 | 0.61 | |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | 0.042 | 13.86 | |
| | | | | | **Add 5%** | **Total:** | **43.05** | **Cft** |
| 21 | **French polishing** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 13.50 | 2.00 | | 108.00 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 1 | 11.50 | 2.00 | | 23.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | | 156.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 1 | 7.75 | 2.00 | | 31.00 | |
| | Top Purlin 3"x6"x1/4" | 2 | 3 | 27.50 | 1.00 | | 165.00 | |
| | Top Purlin 3"x6"x1/4" | 2 | 2 | 7.25 | 1.00 | | 29.00 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 3 | 27.50 | 0.25 | | 41.25 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 2 | 7.25 | 0.25 | | 7.25 | |
| | Center Box 4"x4"x1/2" | 1 | 4 | 13.50 | 1.32 | | 71.28 | |
| | Center Box 4"x4"x1/2" | 1 | 1 | 11.00 | 1.32 | | 14.52 | |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | | 330.00 | |
| | | | | | **Add 5%** | **Total:** | **1,025.12** | **Sft** |
| 22 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 1 | 3.50 | | 7.00 | 24.50 | |
| | | | | | **Add 5%** | **Total** | **25.73** | Cft |
| 23 | **MS/ GI Chowkat singel/double** | | | | | | | |
| | Qty as per Door | | 1 | 25.73 | | | 25.73 | |
| | | | | | **Add 5%** | **Total** | **27.01** | Sft |
| 24 | **Door Stops** | | | | | | | |
| | Door | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 25 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | Door | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 890.47 | |
| | | | | | **Add 5%** | **Total** | **934.99** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 1 | 6.00 | | 5.25 | 31.50 | |
| | W-2 | | 1 | 4.75 | | 5.25 | 24.94 | |
| | V-1 | | 1 | 3.00 | | 2.00 | 6.00 | |
| | | | | | **Add 5%** | **Total** | **65.56** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 65.56 | 50% | | 32.78 | |
| | | | | | **Add 5%** | **Total** | **34.42** | Sft |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 65.56 | | | 65.56 | |
| | | | | | **Add 5%** | **Total** | **68.84** | Sft |
| 30 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | 1 | 2 | 28.00 | 9.75 | | 546.00 | |
| | Sheet Area | 1 | 2 | 8.00 | 7.75 | | 124.00 | |
| | | | | | **Add 5%** | **Total** | **703.50** | Sft |
| 31 | **Fabrication of heavy steel work** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 13.50 | 2.00 | 0.042 | 4.54 | Cft |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 1 | 11.50 | 2.00 | 0.042 | 0.97 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | 0.042 | 6.55 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 1 | 7.75 | 2.00 | 0.042 | 1.30 | Cft |
| | Top Purlin 3"x6"x1/4" | 2 | 3 | 27.50 | 1.00 | 0.021 | 3.47 | Cft |
| | Top Purlin 3"x6"x1/4" | 2 | 2 | 7.25 | 1.00 | 0.021 | 0.61 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 3 | 27.50 | 0.25 | 0.021 | 0.87 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 2 | 7.25 | 0.25 | 0.021 | 0.15 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 4 | 13.50 | 1.32 | 0.042 | 2.99 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 1 | 11.00 | 1.32 | 0.042 | 0.61 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | 0.042 | 13.86 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 10 | 1.25 | 1.25 | 0.042 | 0.66 | Cft |
| | J Bolts 3/4" dia | 4 | 10 | 0.0031 | Area | 2.00 | 0.25 | Cft |
| | | | | | **Add 5%** | **Total** | **38.65** | Cft |
| | | | | **38.65** | Lbs Per cft | **490.00** | **18,940.63** | Lbs |
| | | | | | | **Total** | **8,593.75** | Kg |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | **Add 10% Revit & Extra Work** | | | **9,453.13** | Kg |
| 32 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 703.50 | | | 1,407.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 703.50 | |
| | | | | | **Add 5%** | **Total** | **2,216.03** | Sft |
| 33 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Raft | | 1 | 2,600.00 | Area | | 2,600.00 | |
| | Section C-C | | 1 | 195.25 | 2.50 | | 488.13 | |
| | Protection Wall out side | | 1 | 345.00 | 6.50 | | 2,242.50 | |
| | Drain | | 1 | 345.00 | 2.00 | | 690.00 | |
| | **Deduction** | | | | | | | |
| | Info & Ticketing Hall | | -1 | 757.00 | Area | | (757.00) | |
| | Office/Hall | | -1 | 127.00 | Area | | (127.00) | |
| | Veranda | | -1 | 64.00 | Area | | (64.00) | |
| | Veranda | | -1 | 19.00 | Area | | (19.00) | |
| | Toilet | | -1 | 34.00 | Area | | (34.00) | |
| | Server Room | | -1 | 41.00 | Area | | (41.00) | |
| | **sides** | | | | | | | |
| | Raft | | 1 | 2,600.00 | Area | 3.25 | 8,450.00 | |
| | Section C-C | | 1 | 195.25 | 2.50 | 3.25 | 1,586.41 | |
| | Protection Wall out side | | 1 | 345.00 | 6.50 | 3.25 | 7,288.13 | |
| | Drain | | 1 | 345.00 | 2.00 | 3.25 | 2,242.50 | |
| | **Deduction** | | | | | | | |
| | Info & Ticketing Hall | | -1 | 757.00 | Area | 3.25 | (2,460.25) | |
| | Office/Hall | | -1 | 127.00 | Area | 3.25 | (412.75) | |
| | Veranda | | -1 | 64.00 | Area | 3.25 | (208.00) | |
| | Veranda | | -1 | 19.00 | Area | 3.25 | (61.75) | |

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 58,000,000 | |
| | **Net Total** | **58,000,000** | **58,000,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 9,993.47 | 15.82 | 158,096.75 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 4,996.74 | 7.54 | 37,675.39 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). | P.Cft | 5,536.13 | 16.02 | 88,688.72 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 242.52 | 375.16 | 90,982.75 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 304.49 | 121.77 | 37,077.37 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 156.86 | 497.23 | 77,993.94 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 438.23 | 694.70 | 304,438.82 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 370.45 | 841.70 | 311,810.40 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 2,900.75 | 303.36 | 879,970.43 |
| | **7. BRICK WORK** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,965.93 | 345.45 | 679,129.87 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 610.76 | 367.50 | 224,452.63 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 304.49 | 41.07 | 12,505.28 |
| 13 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | P.Sft | 609.00 | 2,511.75 | 1,529,655.75 |
| 14 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 259.35 | 450.10 | 116,733.44 |
| 15 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 53.03 | 451.50 | 23,940.79 |
| 16 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 58.54 | 1,233.15 | 72,185.52 |
| | **11. SURFACE RENDERING** | | | | | |
| 17 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 950.84 | 46.18 | 43,909.82 |
| 18 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 890.47 | 62.00 | 55,208.87 |
| 19 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 998.38 | 3.93 | 3,923.64 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 998.38 | 8.76 | 8,745.83 |
| | | ii) two coats | P.Sft | 998.38 | 12.12 | 12,100.40 |
| | **12. WOOD WORK** | | | | | |
| 20 | 12/1-a | Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. | | | | |
| | | Wooden Sheet | P.Cft | 43.05 | 14,189.05 | 610,907.14 |
| 21 | 13/7-a | French polishing complete:- a) on new work | | | | |
| | | Wooden Sheet | P.Sft | 1,025.12 | 74.32 | 76,186.55 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 22 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 25.73 | 950.00 | 24,438.75 |
| 23 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 27.01 | 756.80 | 20,442.11 |
| 24 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 1.00 | 178.30 | 178.30 |
| 25 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 1.00 | 4,400.25 | 4,400.25 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 934.99 | 47.26 | 44,187.58 |
| | | **ii) 2nd coat** | P.Sft | 934.99 | 26.52 | 24,795.91 |
| | **25. IRON WORK** | | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 27 | 25/52. | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge | P.Sft | 65.56 | 1,306.55 | 85,656.60 |
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 34.42 | 542.80 | 18,682.46 |
| 29 | 25/59 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (ii) 1/2" Square Bars | P.Sft | 68.84 | 1,192.45 | 82,085.09 |
| 30 | 26/49-a-iii | Providing and fixing slip joint sandwich panels composed of two steel layers injected in between with polyurethane foam on existing surface, lightweight of specified density and fire resistance grade-B. The steel sheet layers are polyester coated hot dipped galvanized, sandwich sheets panels are painted with reflective, anti dust and durable electrostatic paint from both sides i/c the cost of flasing trims,screws,revits,sealants,tapes etc.complete in all respects as approved and directed by the Engineer Incharge. (a) 40 Kg/m3 | | | | |
| | | 75 mm thick | P.Sft | 703.50 | 1,648.65 | 1,159,825.28 |
| 31 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 9,453.13 | 389.19 | 3,679,062.56 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 32 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 2,216.03 | 11.91 | 26,392.86 |
| | | ii) each subsequent coat of paint. 3 coat | P.Sft | 2,216.03 | 24.24 | 53,716.45 |
| | **26. MISCELLANEOUS** | | | | | |
| 33 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 24,699.78 | 12.55 | 309,982.22 |
| 34 | NS-1 | Providing and fixing 2" thick WPC (wood plastic composite) solid door enviroment friendly complete in all respect as approved by Engineer Incharge. | P.Sft | 17.50 | 1,750.00 | 30,625.00 |
| 35 | NS-2 | Providing and fixing wood plastic composite WPC architrave 3" x (3/4" tapered to ¼") all along the door frame complete in all respect. | P.Sft | 35.00 | 350.00 | 12,250.00 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | **Total Cost for Each** | | | | **11,033,041** |
| | | **Total Cost for 3 Nos.** | | | | **33,099,124** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **24,900,876** |
| | | **NON-SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **58,000,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 9.50 | 5.25 | 4,239.38 | |
| | Footing Wall B | | 1 | 10.75 | 9.50 | 5.25 | 536.16 | |
| | Toe Wall | | 1 | 92.00 | 7.00 | 5.25 | 3,381.00 | |
| | Planter | | 1 | 20.50 | 6.50 | 5.25 | 699.56 | |
| | Planter | | 1 | 28.00 | 4.50 | 5.25 | 661.50 | |
| | | | | | **Add 5%** | **Total:** | **9,993.47** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 9,993.47 | | | **4,996.74** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 6.00 | 1,170.00 | |
| | Bath | | 1 | 8.00 | 6.50 | 6.00 | 312.00 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 6.00 | 310.50 | |
| | Sitting Duck | | 1 | 580.00 | Area | 6.00 | 3,480.00 | |
| | | | | | **Add 5%** | **Total:** | **5,536.13** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 5.50 | 0.25 | 116.88 | |
| | Footing Wall B | | 1 | 10.75 | 5.50 | 0.25 | 14.78 | |
| | Toe Wall | | 1 | 92.00 | 3.00 | 0.25 | 69.00 | |
| | Planter | | 1 | 20.50 | 2.50 | 0.25 | 12.81 | |
| | Planter | | 1 | 28.00 | 2.50 | 0.25 | 17.50 | |
| | | | | | **Add 5%** | **Total:** | **242.52** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 0.33 | 64.35 | |
| | Bath | | 1 | 8.00 | 6.50 | 0.33 | 17.16 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 0.33 | 17.08 | |
| | Sitting Duck | | 1 | 580.00 | Area | 0.33 | 191.40 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total:** | **304.49** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 0.17 | 33.15 | |
| | Bath | | 1 | 8.00 | 6.50 | 0.17 | 8.84 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 0.17 | 8.80 | |
| | Sitting Duck | | 1 | 580.00 | Area | 0.17 | 98.60 | |
| | | | | | **Add 5%** | **Total:** | **156.86** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 5.00 | 0.67 | 284.75 | |
| | Footing Wall B | | 1 | 10.75 | 5.00 | 0.67 | 36.01 | |
| | Toe Wall | | 1 | 92.00 | 2.50 | 0.42 | 96.60 | |
| | | | | | **Add 5%** | **Total:** | **438.23** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 0.75 | 0.75 | 47.81 | |
| ii | **Lintel Band** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 0.75 | 0.75 | 47.81 | |
| iii | **Roof Band** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 0.75 | 0.75 | 47.81 | |
| | Kitchen shelf | | 1 | 25.00 | 2.00 | 0.25 | 12.50 | |
| iv | **P-1** | | | | | | | |
| | | | 10 | 1.50 | 1.50 | 8.75 | 196.88 | |
| | | | | | **Add 5%** | **Total** | **370.45** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 438.23 | 2.50 | Per Cft | 1,095.58 | |
| | Superstructural | | 1 | 370.45 | 4.50 | Per Cft | 1,667.04 | |
| | | | | | **Add 5%** | **Total** | **2,900.75** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 1.50 | 0.50 | 63.75 | |
| | Toe Wall | | 1 | 92.00 | 1.50 | 8.50 | 1,173.00 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 85.00 | 1.13 | 0.50 | 47.81 | |
| | **3rd Steps** | | | | | | | |
| | Ecologes | | 1 | 85.00 | 0.75 | 6.50 | 414.38 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 50.00 | 3.00 | 0.50 | 75.00 | |
| | 2nd step | | 1 | 48.00 | 2.00 | 0.50 | 48.00 | |
| | 3rd step | | 1 | 46.00 | 1.00 | 0.50 | 23.00 | |
| | Entrance Steps | | | | | | | |
| | 1st step | | 1 | 9.25 | 3.00 | 0.50 | 13.88 | |
| | 2nd step | | 1 | 9.00 | 2.00 | 0.50 | 9.00 | |
| | 3rd step | | 1 | 9.00 | 1.00 | 0.50 | 4.50 | |
| | | | | | **Add 5%** | **Total:** | **1,965.93** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | | | |
| | Ecologes | | 2 | 19.50 | 0.75 | 10.00 | 292.50 | |
| | | | 2 | 10.00 | 0.75 | 10.00 | 150.00 | |
| | Bath | | 2 | 8.00 | 0.75 | 10.00 | 120.00 | |
| | | | 2 | 6.50 | 0.75 | 10.00 | 97.50 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 3.50 | 0.75 | 7.00 | (18.38) | |
| | D-2 | | -1 | 2.50 | 0.75 | 7.00 | (13.13) | |
| | W-1 | | -1 | 6.00 | 0.75 | 5.25 | (23.63) | |
| | W-2 | | -1 | 4.75 | 0.75 | 5.25 | (18.70) | |
| | V-1 | | -1 | 3.00 | 0.75 | 2.00 | (4.50) | |
| | | | | | **Add 5%** | **Total:** | **610.76** | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 12 | **Sand filling** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | 0.33 | 64.35 | |
| | Bath | | 1 | 8.00 | 6.50 | 0.33 | 17.16 | |
| | Duck Area | | 1 | 11.50 | 4.50 | 0.33 | 17.08 | |
| | Sitting Duck | | 1 | 580.00 | Area | 0.33 | 191.40 | |
| | | | | | **Add 5%** | **Total:** | **304.49** | **Cft** |
| 13 | **Shisham wood block flooring** | | | | | | | |
| | Duck Area | | 1 | 580.00 | Area | | 580.00 | |
| | | | | | **Add 5%** | **Total:** | **609.00** | **Sft** |
| 14 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 1 | 19.50 | 10.00 | | 195.00 | |
| | Bath | | 1 | 8.00 | 6.50 | | 52.00 | |
| | | | | | **Add 5%** | **Total** | **259.35** | Sft |
| 15 | **Wall skirting** | | | | | | | |
| | Ecologes | | 2 | 19.50 | | 0.50 | 19.50 | |
| | Ecologes | | 2 | 10.00 | | 0.50 | 10.00 | |
| | Bath | | 2 | 8.00 | | 0.50 | 8.00 | |
| | Bath | | 4 | 6.50 | | 0.50 | 13.00 | |
| | | | | | **Add 5%** | **Total** | **53.03** | Sft |
| 16 | **Prepolished Granite** | | | | | | | |
| | **Entrance step** | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | | | 1 | 4.00 | 1.00 | | 4.00 | |
| | Risers | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | | | 1 | 4.00 | | 0.50 | 2.00 | |
| | W-1 | | 1 | 6.00 | 1.00 | | 6.00 | |
| | W-2 | | 1 | 4.75 | 1.00 | | 4.75 | |
| | V-1 | | 1 | 3.00 | 1.00 | | 3.00 | |
| | | | | | **Add 5%** | **Total** | **58.54** | Sft |
| 17 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologes | | 2 | 19.50 | | 10.00 | 390.00 | |
| | Ecologes | | 2 | 10.00 | | 10.00 | 200.00 | |
| | Bath | | 2 | 8.00 | | 10.00 | 160.00 | |
| | Bath | | 4 | 6.50 | | 10.00 | 260.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | D-2 | | -1 | 2.50 | | 7.00 | (17.50) | |
| | W-1 | | -1 | 6.00 | | 5.25 | (31.50) | |
| | W-2 | | -1 | 4.75 | | 5.25 | (24.94) | |
| | V-1 | | -1 | 3.00 | | 2.00 | (6.00) | |
| | | | | | **Add 5%** | **Total** | **950.84** | Sft |
| 18 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | | | |
| | | | 1 | 85.00 | | 11.00 | 935.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 3.50 | | 7.00 | (24.50) | |
| | W-1 | | -1 | 6.00 | | 5.25 | (31.50) | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | W-2 | | -1 | 4.75 | | 5.25 | (24.94) | |
| | V-1 | | -1 | 3.00 | | 2.00 | (6.00) | |
| | | | | | **Add 5%** | **Total** | **890.47** | Sft |
| 19 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 950.84 | |
| | | | | | **Add 5%** | **Total** | **998.38** | Sft |
| 20 | **Wooden Cladding Sheet** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 13.50 | 2.00 | 0.042 | 4.54 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 1 | 11.50 | 2.00 | 0.042 | 0.97 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | 0.042 | 6.55 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 1 | 7.75 | 2.00 | 0.042 | 1.30 | |
| | Top Purlin 3"x6"x1/4" | 2 | 3 | 27.50 | 1.00 | 0.042 | 6.93 | |
| | Top Purlin 3"x6"x1/4" | 2 | 2 | 7.25 | 1.00 | 0.042 | 1.22 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 3 | 27.50 | 0.25 | 0.042 | 1.73 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 2 | 7.25 | 0.25 | 0.042 | 0.30 | |
| | Center Box 4"x4"x1/2" | 1 | 4 | 13.50 | 1.32 | 0.042 | 2.99 | |
| | Center Box 4"x4"x1/2" | 1 | 1 | 11.00 | 1.32 | 0.042 | 0.61 | |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | 0.042 | 13.86 | |
| | | | | | **Add 5%** | **Total:** | **43.05** | **Cft** |
| 21 | **French polishing** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 13.50 | 2.00 | | 108.00 | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 1 | 11.50 | 2.00 | | 23.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | | 156.00 | |
| | Top Rafter Box 6"x6"x1/2" | 2 | 1 | 7.75 | 2.00 | | 31.00 | |
| | Top Purlin 3"x6"x1/4" | 2 | 3 | 27.50 | 1.00 | | 165.00 | |
| | Top Purlin 3"x6"x1/4" | 2 | 2 | 7.25 | 1.00 | | 29.00 | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 3 | 27.50 | 0.25 | | 41.25 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 2 | 7.25 | 0.25 | | 7.25 | |
| | Center Box 4"x4"x1/2" | 1 | 4 | 13.50 | 1.32 | | 71.28 | |
| | Center Box 4"x4"x1/2" | 1 | 1 | 11.00 | 1.32 | | 14.52 | |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | | 330.00 | |
| | | | | | **Add 5%** | **Total:** | **1,025.12** | **Sft** |
| 22 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 1 | 3.50 | | 7.00 | 24.50 | |
| | | | | | **Add 5%** | **Total** | **25.73** | Cft |
| 23 | **MS/ GI Chowkat singel/double** | | | | | | | |
| | Qty as per Door | | 1 | 25.73 | | | 25.73 | |
| | | | | | **Add 5%** | **Total** | **27.01** | Sft |
| 24 | **Door Stops** | | | | | | | |
| | Door | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 25 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | Door | | 1 | 1.00 | | | 1.00 | |
| | | | | | | **Total** | **1.00** | Each |
| 26 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 890.47 | |
| | | | | | **Add 5%** | **Total** | **934.99** | Sft |
| 27 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 1 | 6.00 | | 5.25 | 31.50 | |
| | W-2 | | 1 | 4.75 | | 5.25 | 24.94 | |
| | V-1 | | 1 | 3.00 | | 2.00 | 6.00 | |
| | | | | | **Add 5%** | **Total** | **65.56** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 65.56 | 50% | | 32.78 | |
| | | | | | **Add 5%** | **Total** | **34.42** | Sft |
| 29 | **M.S. flat grill** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per Aluminum | | 1 | 65.56 | | | 65.56 | |
| | | | | | **Add 5%** | **Total** | **68.84** | Sft |
| 30 | **Sandwich Panels** | | | | | | | |
| | Sheet Area | 1 | 2 | 28.00 | 9.75 | | 546.00 | |
| | Sheet Area | 1 | 2 | 8.00 | 7.75 | | 124.00 | |
| | | | | | **Add 5%** | **Total** | **703.50** | Sft |
| 31 | **Fabrication of heavy steel work** | | | | | | | |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 4 | 13.50 | 2.00 | 0.042 | 4.54 | Cft |
| | Bottom TR-1 Box 6"x6"x1/2" | 1 | 1 | 11.50 | 2.00 | 0.042 | 0.97 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 4 | 9.75 | 2.00 | 0.042 | 6.55 | Cft |
| | Top Rafter Box 6"x6"x1/2" | 2 | 1 | 7.75 | 2.00 | 0.042 | 1.30 | Cft |
| | Top Purlin 3"x6"x1/4" | 2 | 3 | 27.50 | 1.00 | 0.021 | 3.47 | Cft |
| | Top Purlin 3"x6"x1/4" | 2 | 2 | 7.25 | 1.00 | 0.021 | 0.61 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 3 | 27.50 | 0.25 | 0.021 | 0.87 | Cft |
| | Top Cleat Angle 1 1/2"x1 1/2"x1/4" | 2 | 2 | 7.25 | 0.25 | 0.021 | 0.15 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 4 | 13.50 | 1.32 | 0.042 | 2.99 | Cft |
| | Center Box 4"x4"x1/2" | 1 | 1 | 11.00 | 1.32 | 0.042 | 0.61 | Cft |
| | Columns Box 9"x9"x1/2" | 1 | 10 | 11.00 | 3.00 | 0.042 | 13.86 | Cft |
| | M.S Base Plate 15"x15"x1/2" | 1 | 10 | 1.25 | 1.25 | 0.042 | 0.66 | Cft |
| | J Bolts 3/4" dia | 4 | 10 | 0.0031 | Area | 2.00 | 0.25 | Cft |
| | | | | | **Add 5%** | **Total** | **38.65** | Cft |
| | | | | **38.65** | Lbs Per cft | **490.00** | **18,940.63** | Lbs |
| | | | | | | **Total** | **8,593.75** | Kg |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction of Ecolodges Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | **Add 10% Revit & Extra Work** | | | **9,453.13** | Kg |
| 32 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 703.50 | | | 1,407.00 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 703.50 | |
| | | | | | **Add 5%** | **Total** | **2,216.03** | Sft |
| 33 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Raft | | 1 | 2,600.00 | Area | | 2,600.00 | |
| | Section C-C | | 1 | 195.25 | 2.50 | | 488.13 | |
| | Protection Wall out side | | 1 | 345.00 | 6.50 | | 2,242.50 | |
| | Drain | | 1 | 345.00 | 2.00 | | 690.00 | |
| | **Deduction** | | | | | | | |
| | Info & Ticketing Hall | | -1 | 757.00 | Area | | (757.00) | |
| | Office/Hall | | -1 | 127.00 | Area | | (127.00) | |
| | Veranda | | -1 | 64.00 | Area | | (64.00) | |
| | Veranda | | -1 | 19.00 | Area | | (19.00) | |
| | Toilet | | -1 | 34.00 | Area | | (34.00) | |
| | Server Room | | -1 | 41.00 | Area | | (41.00) | |
| | **sides** | | | | | | | |
| | Raft | | 1 | 2,600.00 | Area | 3.25 | 8,450.00 | |
| | Section C-C | | 1 | 195.25 | 2.50 | 3.25 | 1,586.41 | |
| | Protection Wall out side | | 1 | 345.00 | 6.50 | 3.25 | 7,288.13 | |
| | Drain | | 1 | 345.00 | 2.00 | 3.25 | 2,242.50 | |
| | **Deduction** | | | | | | | |
| | Info & Ticketing Hall | | -1 | 757.00 | Area | 3.25 | (2,460.25) | |
| | Office/Hall | | -1 | 127.00 | Area | 3.25 | (412.75) | |
| | Veranda | | -1 | 64.00 | Area | 3.25 | (208.00) | |
| | Veranda | | -1 | 19.00 | Area | 3.25 | (61.75) | |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Construction & Development of the Glamping Pods Single Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 30,000,000 | |
| | **Total Schedule Items** | **30,000,000** | |
| | **Net Total** | **30,000,000** | **30,000,000** |

0

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Construction & Development of the Glamping Pods Single Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 9,791.78 | 15.84 | 155,102 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 4,895.89 | 7.54 | 36,915 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 7,238.70 | 16.02 | 115,964 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 209.02 | 375.16 | 78,414 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 398.13 | 121.77 | 48,480 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 205.10 | 497.23 | 101,980 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Construction & Development of the Glamping Pods Single Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Foundation | P.Cft | 433.39 | 694.70 | 301,074 |
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 279.53 | 841.70 | 235,280 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 2,458.42 | 303.36 | 745,786 |
| | **8. BRICK MASONARY** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 359.79 | 345.45 | 124,289 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 358.02 | 367.50 | 131,571 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 398.13 | 41.07 | 16,351 |
| 13 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 833.70 | 450.10 | 375,248 |

## CIVIL WORK

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Construction & Development of the Glamping Pods Single Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 14 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 276.78 | 451.50 | 124,966 |
| 15 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | | | | |
| | | | P.Sft | 372.75 | 2,511.75 | 936,255 |
| | **11. SURFACE RENDERING** | | | | | |
| 16 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,032.68 | 46.18 | 47,689 |
| 17 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 807.45 | 62.00 | 50,062 |
| 18 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 1,084.31 | 3.93 | 4,261 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 1,084.31 | 8.76 | 9,499 |
| | | ii) two coats | P.Sft | 1,084.31 | 12.12 | 13,142 |
| 19 | 11/41 | Providing and fixing 3/4"(19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. | | | | |
| | | | P.Cft | 399.00 | 320.05 | 127,700 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 20 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 847.82 | 47.26 | 40,068 |
| | | **ii) 2nd coat** | P.Sft | 847.82 | 26.52 | 22,484 |

**0**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Single Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **26. MISCELLANEOUS** | | | | | |
| 21 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,705.71 | 12.55 | 46,507 |
| | | **Total Cost for Each** | | | | **3,889,088** |
| | | **Total Cost for 3 Nos.** | | | | **11,667,265** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **18,332,735** |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **30,000,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 1 | 8.50 | 12.50 | 6.00 | 637.50 | |
| | Footing Wall A | | 1 | 120.25 | 8.00 | 6.00 | 5,772.00 | |
| | Footing Wall B | | 1 | 50.00 | 8.00 | 6.00 | 2,400.00 | |
| | Footing Wall C | | 1 | 10.75 | 8.00 | 6.00 | 516.00 | |
| | | | | | **Add 5%** | **Total:** | **9,791.78** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 9791.78 | | | **4895.89** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | 6.00 | 4392.00 | |
| | Bath | | 1 | 62.00 | Area | 6.00 | 372.00 | |
| | Duck Area | | 1 | 355.00 | Area | 6.00 | 2130.00 | |
| | | | | | **Add 5%** | **Total:** | **7,238.70** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 1 | 8.50 | 8.50 | 0.25 | 18.06 | |
| | Footing Wall A | | 1 | 120.25 | 4.00 | 0.25 | 120.25 | |
| | Footing Wall B | | 1 | 50.00 | 4.00 | 0.25 | 50.00 | |
| | Footing Wall C | | 1 | 10.75 | 4.00 | 0.25 | 10.75 | |
| | | | | | **Add 5%** | **Total:** | **209.02** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Glamping Pod | | 1 | 732.00 | Area | 0.33 | 241.56 | |
| | Bath | | 1 | 62.00 | Area | 0.33 | 20.46 | |
| | Duck Area | | 1 | 355.00 | Area | 0.33 | 117.15 | |
| | | | | | **Add 5%** | **Total:** | **398.13** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | 0.17 | 124.44 | |
| | Bath | | 1 | 62.00 | Area | 0.17 | 10.54 | |
| | Duck Area | | 1 | 355.00 | Area | 0.17 | 60.35 | |
| | | | | | **Add 5%** | **Total:** | **205.10** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 1 | 8.00 | 8.00 | 1.50 | 96.00 | |
| | Footing Wall A | | 1 | 120.25 | 3.50 | 0.50 | 210.44 | |
| | Footing Wall B | | 1 | 50.00 | 3.50 | 0.50 | 87.50 | |
| | Footing Wall C | | 1 | 10.75 | 3.50 | 0.50 | 18.81 | |
| | | | | | **Add 5%** | **Total:** | **433.39** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 120.25 | 0.75 | 0.75 | 67.64 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 120.25 | 0.75 | 0.75 | 67.64 | |
| iii | **Roof Band** | | | | | | | |
| | | | 1 | 120.25 | 0.75 | 0.75 | 67.64 | |
| iv | **Plinth Columns** | | | | | | | |
| | C-1 | | 4 | 0.75 | 0.75 | 22.75 | 51.19 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | P-1 | | 1 | 1.25 | 1.25 | 7.75 | 12.11 | |
| | | | | | **Add 5%** | **Total** | **279.53** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 433.39 | 2.50 | Per Cft | 1,083.47 | |
| | Superstructural | | 1 | 279.53 | 4.50 | Per Cft | 1,257.88 | |
| | | | | | **Add 5%** | **Total** | **2,458.42** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 120.25 | 1.88 | 0.50 | 112.73 | |
| | Footing Wall B | | 1 | 52.00 | 1.50 | 0.50 | 39.00 | |
| | Footing Wall C | | 1 | 15.00 | 1.13 | 0.50 | 8.44 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 120.25 | 1.50 | 0.50 | 90.19 | |
| | Footing Wall B | | 1 | 52.00 | 1.13 | 8.75 | 511.88 | |
| | Footing Wall C | | 1 | 15.00 | 0.75 | 8.75 | 98.44 | |
| | **3rd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 120.25 | 1.13 | 0.50 | 67.64 | |
| | **4th Steps** | | | | | | | |
| | Footing Wall A | | 1 | 120.25 | 0.75 | 7.00 | 631.31 | |
| | Entrance Steps | | | | | | | |
| | Ist Steps | | 1 | 6.00 | 5.00 | 0.50 | 3.00 | |
| | 2nd Steps | | 1 | 6.00 | 4.00 | 0.50 | 3.00 | |
| | 3rd Steps | | 1 | 6.00 | 3.00 | 0.50 | 3.00 | |
| | 4th Steps | | 1 | 6.00 | 2.00 | 0.50 | 3.00 | |
| | 4th Steps | | 1 | 6.00 | 1.00 | 0.50 | 3.00 | |
| | | | | | **Add 5%** | **Total:** | **1,653.36** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | **Ground Floor** | | | | | Avg | | |
| | Footing Wall A | | 1 | 120.25 | 0.75 | 11.00 | 992.06 | |
| | Bath | | 1 | 15.00 | 0.75 | 11.00 | 123.75 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 5.00 | 0.75 | 7.00 | (26.25) | |
| | D-2 | | -1 | 2.50 | 0.75 | 7.00 | (13.13) | |
| | V-1 | | -1 | 3.00 | 0.75 | 2.00 | (4.50) | |
| | Glass | | -1 | 70.00 | 0.75 | 9.00 | (472.50) | |
| | | | | | **Add 5%** | **Total:** | **629.41** | Cft |
| 12 | **Sand filling** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | 0.33 | 241.56 | |
| | Bath | | 1 | 62.00 | Area | 0.33 | 20.46 | |
| | Duck Area | | 1 | 355.00 | Area | 0.33 | 117.15 | |
| | | | | | **Add 5%** | **Total:** | **398.13** | **Cft** |
| 13 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | | 732.00 | |
| | Bath | | 1 | 62.00 | Area | | 62.00 | |
| | | | | | **Add 5%** | **Total** | **833.70** | Sft |
| 14 | **Wall skirting** | | | | | | | |
| | Glamping Pod | | 1 | 120.00 | | 0.33 | 39.60 | |
| | Bath | | 1 | 32.00 | | 7.00 | 224.00 | |
| | | | | | **Add 5%** | **Total** | **276.78** | Sft |
| 15 | **Wooden Flooring** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Deck Area | | 1 | 355.00 | Area | | 355.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total** | **372.75** | Sft |
| 16 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Glamping Pod | | 1 | 120.00 | | 11.00 | 1320.00 | |
| | Bath | | 1 | 32.00 | | 11.00 | 352.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -1 | 5.00 | | 7.00 | -35.00 | |
| | D-2 | | -1 | 2.50 | | 7.00 | -17.50 | |
| | V-1 | | -1 | 3.00 | | 2.00 | -6.00 | |
| | Glass | | -1 | 70.00 | | 9.00 | -630.00 | |
| | | | | | **Add 5%** | **Total** | **1,032.68** | Sft |
| 17 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | | | 1 | 120.00 | Rft | 12.00 | 1,440.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -1 | 5.00 | | 7.00 | (35.00) | |
| | V-1 | | -1 | 3.00 | | 2.00 | -6.00 | |
| | Glass | | -1 | 70.00 | | 9.00 | -630.00 | |
| | | | | | **Add 5%** | **Total** | **807.45** | Sft |
| 18 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 1,032.68 | |
| | | | | | **Add 5%** | **Total** | **1,084.31** | Sft |
| 19 | **Sand Stone clading** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Single Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Deck Area tow Wall | | 1 | 95.00 | | 4.00 | 380.00 | |
| | | | | | **Add 5%** | **Total** | **399.00** | Sft |
| 20 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per External plaster of walls | | | | | | 807.45 | |
| | | | | | **Add 5%** | **Total** | **847.82** | Sft |
| 21 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 1 | 8.50 | 8.50 | | 72.25 | |
| | Footing Wall A | | 1 | 120.25 | 4.00 | | 481.00 | |
| | Footing Wall B | | 1 | 50.00 | 4.00 | | 200.00 | |
| | Footing Wall C | | 1 | 10.75 | 4.00 | | 43.00 | |
| | **sides** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Footing F-1 | | 4 | 8.50 | | 4.00 | 136.00 | |
| | Footing Wall A | | 2 | 120.25 | | 4.00 | 962.00 | |
| | Footing Wall B | | 2 | 50.00 | | 4.00 | 400.00 | |
| | Footing Wall C | | 2 | 10.75 | | 4.00 | 86.00 | |
| | **Under Floor** | | | | | | | |
| | Ecologies Single Bed | | | | | | | |
| | Glamping Pod | | 1 | 732.00 | Area | | 732.00 | |
| | Bath | | 1 | 62.00 | Area | | 62.00 | |
| | Duck Area | | 1 | 355.00 | Area | | 355.00 | |
| | | | | | **Add 5%** | **Total:** | **3,705.71** | **Sft** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Construction & Development of the Glamping Pods Double Bed

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| **SCHEDULE ITEMS** | | | |
| 1 | CIVIL WORKS | 30,000,000 | |
| | **Total Schedule Items** | **30,000,000** | |
| | **Net Total** | **30,000,000** | **30,000,000** |

**#REF!**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 18,210.15 | 15.84 | 288,449 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 9,105.08 | 7.54 | 68,652 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 12,341.70 | 16.02 | 197,714 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 389.42 | 375.16 | 146,094 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 678.79 | 121.77 | 82,657 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 349.68 | 497.23 | 173,872 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 816.70 | 694.70 | 567,364 |

**#REF!**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 547.99 | 841.70 | 461,239 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 4,733.08 | 303.36 | 1,435,826 |
| | **8. STONE MASONARY** | | | | | |
| 10 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 359.79 | 345.45 | 124,289 |
| 11 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 358.02 | 367.50 | 131,571 |
| | **10. FLOORING** | | | | | |
| 12 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 678.79 | 41.07 | 27,878 |
| 13 | 10/46 | Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 1,563.45 | 450.10 | 703,709 |

**#REF!**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 14 | 10/38 | Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved equivalent manufacturer, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | a) Full body Glazed tiles (ii) 600mmx 600 mm | P.Sft | 1,135.47 | 451.50 | 512,665 |
| 15 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | | | | |
| | | | P.Sft | 493.50 | 2,511.75 | 1,239,549 |
| | **11. SURFACE RENDERING** | | | | | |
| 16 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 2,936.85 | 46.18 | 135,624 |
| 17 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,709.40 | 62.00 | 105,983 |
| 18 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 3,083.69 | 3.93 | 12,119 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 3,083.69 | 8.76 | 27,013 |
| | | ii) two coats | P.Sft | 3,083.69 | 12.12 | 37,374 |
| 19 | 11/41 | Providing and fixing 3/4"(19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. | | | | |
| | | | P.Cft | 932.40 | 320.05 | 298,415 |
| | **12. WOOD WORK** | | | | | |

**#REF!**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 20 | 12/51. | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge | P.Sft | 117.60 | 950.00 | 111,720.00 |
| 21 | 12/17-ii | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock holecovered with MSBox,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. ii) 10.5 " wide | P.Sft | 117.60 | 756.80 | 88,999.68 |
| 22 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 4.00 | 178.30 | 713.20 |
| 23 | 12/67 | Providing and fixing Imported Mortise Lever Handle Lock with back plate (Machine, Cylinders, Lever Handles (Pair) and backplate (Pair)) of approved quality, design & finish, including the cost of all accessories to complete the job as shown on drawing and as per specification, complete in all respect, as approved and directed by the Engineer Incharge. | Each | 4.00 | 4,400.25 | 17,601.00 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 24 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,794.87 | 47.26 | 84,826 |
| | | **ii) 2nd coat** | P.Sft | 1,794.87 | 26.52 | 47,600 |
| | **26. MISCELLANEOUS** | | | | | |

**#REF!**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) KHUSHAB**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 25 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 6,712.13 | 12.55 | 84,237 |
| | | **Total Cost for Each** | | | | **7,213,752** |
| | | **Total Cost for 2 Nos.** | | | | **14,427,503** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | 15,572,497 |
| | | **SCHEDULE ITEMS TOTAL AMOUNT (RS)** | | | | **30,000,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | | 2 | 8.50 | 12.50 | 6.00 | 1,275.00 | |
| | Footing Wall A | | 1 | 234.25 | 8.00 | 6.00 | 11,244.00 | |
| | Footing Wall B | | 2 | 42.00 | 8.00 | 6.00 | 4,032.00 | |
| | Footing Wall C | | 2 | 8.25 | 8.00 | 6.00 | 792.00 | |
| | | | | | **Add 5%** | **Total:** | **18,210.15** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 18210.15 | | | **9105.08** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | 6.00 | 6120.00 | |
| | Bath | | 2 | 62.00 | Area | 6.00 | 744.00 | |
| | Kitchen | | 1 | 345.00 | Area | 6.00 | 2070.00 | |
| | Duck Area | | 2 | 235.00 | Area | 6.00 | 2820.00 | |
| | | | | | **Add 5%** | **Total:** | **12,341.70** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | | 2 | 8.50 | 8.50 | 0.25 | 36.13 | |
| | Footing Wall A | | 1 | 234.25 | 4.00 | 0.25 | 234.25 | |
| | Footing Wall B | | 2 | 42.00 | 4.00 | 0.25 | 84.00 | |
| | Footing Wall C | | 2 | 8.25 | 4.00 | 0.25 | 16.50 | |
| | | | | | **Add 5%** | **Total:** | **389.42** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Ecologies Double Bed | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | 0.33 | 336.60 | |
| | Bath | | 2 | 62.00 | Area | 0.33 | 40.92 | |
| | Kitchen | | 1 | 345.00 | Area | 0.33 | 113.85 | |
| | Duck Area | | 2 | 235.00 | Area | 0.33 | 155.10 | |
| | | | | | **Add 5%** | **Total:** | **678.79** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | 0.17 | 173.40 | |
| | Bath | | 2 | 62.00 | Area | 0.17 | 21.08 | |
| | Kitchen | | 1 | 345.00 | Area | 0.17 | 58.65 | |
| | Duck Area | | 2 | 235.00 | Area | 0.17 | 79.90 | |
| | | | | | **Add 5%** | **Total:** | **349.68** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Footing F-1 | | 2 | 8.00 | 8.00 | 1.50 | 192.00 | |
| | Footing Wall A | | 1 | 234.25 | 3.50 | 0.50 | 409.94 | |
| | Footing Wall B | | 2 | 42.00 | 3.50 | 0.50 | 147.00 | |
| | Footing Wall C | | 2 | 8.25 | 3.50 | 0.50 | 28.88 | |
| | | | | | **Add 5%** | **Total:** | **816.70** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |
| i | **Plinth Band** | | | | | | | |
| | | | 1 | 234.25 | 0.75 | 0.75 | 131.77 | |
| ii | **Lintel Band** | | | | | | | |
| | | | 1 | 234.25 | 0.75 | 0.75 | 131.77 | |
| iii | **Roof Band** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | 1 | 234.25 | 0.75 | 0.75 | 131.77 | |
| iv | **Plinth Columns** | | | | | | | |
| | C-1 | | 8 | 0.75 | 0.75 | 22.75 | 102.38 | |
| | P-1 | | 2 | 1.25 | 1.25 | 7.75 | 24.22 | |
| | | | | | **Add 5%** | **Total** | **547.99** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 816.70 | 2.50 | Per Cft | 2,041.76 | |
| | Superstructural | | 1 | 547.99 | 4.50 | Per Cft | 2,465.93 | |
| | | | | | **Add 5%** | **Total** | **4,733.08** | Kg |
| 10 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Footing Wall A | | 1 | 234.25 | 1.88 | 0.50 | 219.61 | |
| | Footing Wall B | | 1 | 42.00 | 1.50 | 0.50 | 31.50 | |
| | Footing Wall C | | 1 | 8.25 | 1.13 | 0.50 | 4.64 | |
| | **2nd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 234.25 | 1.50 | 0.50 | 175.69 | |
| | Footing Wall B | | 1 | 42.00 | 1.13 | 8.75 | 413.44 | |
| | Footing Wall C | | 1 | 8.25 | 0.75 | 8.75 | 54.14 | |
| | **3rd Steps** | | | | | | | |
| | Footing Wall A | | 1 | 234.25 | 1.13 | 0.50 | 131.77 | |
| | **4th Steps** | | | | | | | |
| | Footing Wall A | | 1 | 234.25 | 0.75 | 7.00 | 1,229.81 | |
| | Entrance Steps | | | | | | | |
| | Ist Steps | | 2 | 6.00 | 5.00 | 0.50 | 6.00 | |
| | 2nd Steps | | 2 | 6.00 | 4.00 | 0.50 | 6.00 | |
| | 3rd Steps | | 2 | 6.00 | 3.00 | 0.50 | 6.00 | |
| | 4th Steps | | 2 | 6.00 | 2.00 | 0.50 | 6.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | 4th Steps | | 2 | 6.00 | 1.00 | 0.50 | 6.00 | |
| | | | | | **Add 5%** | **Total:** | **2,405.12** | Cft |
| 11 | **Brick masonry in super structure** | | | | | | | |
| | **Ground Floor** | | | | | Avg | | |
| | Footing Wall A | | 1 | 234.25 | 0.75 | 11.00 | 1,932.56 | |
| | Bath | | 2 | 15.00 | 0.75 | 11.00 | 247.50 | |
| | Kitchen | | 2 | 22.25 | 0.75 | 11.00 | 367.13 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.00 | 0.75 | 7.00 | (52.50) | |
| | D-2 | | -2 | 3.00 | 0.75 | 7.00 | (31.50) | |
| | D-3 | | -2 | 2.50 | 0.75 | 7.00 | (26.25) | |
| | V-1 | | -2 | 3.00 | 0.75 | 2.00 | (9.00) | |
| | Glass | | -2 | 35.00 | 0.75 | 9.00 | (472.50) | |
| | | | | | **Add 5%** | **Total:** | **2,053.21** | Cft |
| 12 | **Sand filling** | | | | | | | |
| | Ecologies Double Bed | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | 0.33 | 336.60 | |
| | Bath | | 2 | 62.00 | Area | 0.33 | 40.92 | |
| | Kitchen | | 1 | 345.00 | Area | 0.33 | 113.85 | |
| | Duck Area | | 2 | 235.00 | Area | 0.33 | 155.10 | |
| | | | | | **Add 5%** | **Total:** | **678.79** | **Cft** |
| 13 | **Porcelain glazed tiles 24"X24"** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Glamping Pod | | 2 | 510.00 | Area | | 1020.00 | |
| | Bath | | 2 | 62.00 | Area | | 124.00 | |
| | Kitchen | | 1 | 345.00 | Area | | 345.00 | |
| | | | | | **Add 5%** | **Total** | **1,563.45** | Sft |
| 14 | **Wall skirting** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Glamping Pod | | 2 | 90.00 | | 0.33 | 59.40 | |
| | Bath | | 2 | 33.00 | | 7.00 | 462.00 | |
| | Kitchen | | 1 | 80.00 | | 7.00 | 560.00 | |
| | | | | | **Add 5%** | **Total** | **1,135.47** | Sft |
| 15 | **Wooden Flooring** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Deck Area | | 2 | 235.00 | Area | | 470.00 | |
| | | | | | **Add 5%** | **Total** | **493.50** | Sft |
| 16 | **Internal Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | Avg | | |
| | Glamping Pod | | 2 | 90.00 | | 11.00 | 1980.00 | |
| | Bath | | 2 | 33.00 | | 11.00 | 726.00 | |
| | Kitchen | | 1 | 80.00 | | 11.00 | 880.00 | |
| | **Deduction** | | | | | | | |
| | D-1 | | -2 | 5.00 | | 7.00 | -70.00 | |
| | D-2 | | -2 | 3.00 | | 7.00 | -42.00 | |
| | D-2 | | -2 | 2.50 | | 7.00 | -35.00 | |
| | V-1 | | -2 | 3.00 | | 2.00 | -12.00 | |
| | Glass | | -2 | 35.00 | | 9.00 | -630.00 | |
| | | | | | **Add 5%** | **Total** | **2,936.85** | Sft |
| 17 | **External Wall Plaster** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | **External wall** | | | | | Avg | | |
| | | | 1 | 195.00 | Rft | 12.00 | 2,340.00 | |
| | **Deduction** | | | | | | - | |
| | D-1 | | -2 | 5.00 | | 7.00 | (70.00) | |
| | V-1 | | -2 | 3.00 | | 2.00 | -12.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction & Development of the Glamping Pods Double Bed**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | Glass | | -2 | 35.00 | | 9.00 | -630.00 | |
| | | | | | **Add 5%** | **Total** | **1,709.40** | Sft |
| 18 | **Distempering** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty as per internal plaster of walls | | | | | | 2,936.85 | |
| | | | | | **Add 5%** | **Total** | **3,083.69** | Sft |
| 19 | **Sand Stone clading** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Deck Area tow Wall | | 2 | 111.00 | | 4.00 | 888.00 | |
| | | | | | **Add 5%** | **Total** | **932.40** | Sft |
| 20 | **Solid flush door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 2 | 5.00 | | 7.00 | 70.00 | |
| | D-2 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | **Add 5%** | **Total** | **117.60** | Cft |
| 21 | **MS/ GI Chowkat singel/double** | | | | | | | |
| | D-1 | | 2 | 5.00 | | 7.00 | 70.00 | |
| | D-2 | | 2 | 3.00 | | 7.00 | 42.00 | |
| | | | | | **Add 5%** | **Total** | **117.60** | Sft |
| 22 | **Door Stops** | | | | | | | |
| | Door | | 4 | 1.00 | | | 4.00 | |
| | | | | | | **Total** | **4.00** | Each |
| 23 | **Imported Mortise Lever Handle Lock** | | | | | | | |
| | Door | | 4 | 1.00 | | | 4.00 | |
| | | | | | | **Total** | **4.00** | Each |
| 24 | **Weathersheild paint** | | | | | | | |
| i | **Ground Floor** | | | | | | | |

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 6,500,000 | |
| | **Grand.Total** | **6,500,000** | **6,500,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 2,126.25 | 15.84 | 33,680 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 850.50 | 7.56 | 6,432 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 2,740.50 | 31.78 | 87,086 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 222.19 | 355.28 | 78,939 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 249.85 | 128.37 | 32,073 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 128.71 | 480.22 | 61,810 |
| 7 | 6/6 aiii 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a)(iii) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | Foundation | P.Cft | 295.31 | 670.00 | 197,859 |
| 8 | 6/6 ai 2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 593.75 | 817.55 | 485,417 |
| 9 | 6/12 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 1,400.00 | 360.40 | 504,560 |
| 10 | 6/36 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 222.19 | 131.27 | 29,167 |
| 11 | 6/38 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 444.38 | 83.62 | 37,159 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 1,229.34 | 398.63 | 490,053 |
| 13 | 7/5 i | Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4 | | | | |
| | | Ground Floor | P.Cft | 180.66 | 438.13 | 79,151 |
| | **10. FLOORING** | | | | | |
| 14 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 304.55 | 57.87 | 17,624 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 15 | 10/24 i | Providing and laying superb quality Ceramic tile floors of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 757.13 | 457.30 | 346,233 |
| 16 | 10/25 i | Providing and laying superb quality Ceramic tiles dado of Master/ Stile brand or approved equivalent manufacturer of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. | | | | |
| | | i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | P.Sft | 2,534.00 | 458.70 | 1,162,346 |
| 17 | 10/52 | Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | (i) 3/4" thick | P.Sft | 306.50 | 1,240.55 | 380,229 |
| | **11. SURFACE RENDERING** | | | | | |
| 18 | 11/10 b | Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. b) 1:3 | | | | |
| | | Ground Floor | P.Sft | 757.13 | 53.77 | 40,711 |
| 19 | 11/9 b | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>b) ½" (13 mm) thick (**Internal Plaster)** | | | | |
| | | Ground Floor | P.Sft | 4,090.00 | 47.30 | 193,457 |
| 20 | 11/9 c | Cement plaster 1:4 upto 20' (6.00 m) height:-<br>c) ¾" (20 mm) thick **(External Plaster)** | | | | |
| | | Ground Floor | P.Sft | 1,107.00 | 63.63 | 70,438 |
| 21 | 11/22 | Priming coat of chalk under distemper… | | | | |
| | | Prime Coat | P.Sft | 4,847.13 | 3.98 | 19,292 |
| | 11/23 a | Distempering:- a) new surface:-<br>i) one coat | P.Sft | 4,847.13 | 8.65 | 41,928 |
| | | ii) two coats | P.Sft | 4,847.13 | 11.99 | 58,117 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **12. WOOD WORK** | | | | | |
| 22 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 512.00 | 954.35 | 488,627 |
| 23 | 12/16 | Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: | | | | |
| | | a) single rebate | P.Sft | 312.00 | 485.35 | 151,429 |
| 24 | 12/22 | Providing and fixing, approved quality mortice lock. | Each | 14.00 | 1,114.50 | 15,603 |
| 25 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 14.00 | 178.85 | 2,504 |
| | **13. PAINTING AND VARNISHING** | | | | | |
| 26 | 13/33 a | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:<br>**i) 1st coat** | P.Sft | 1,107.00 | 47.52 | 52,605 |
| | | **ii) 2nd coat** | P.Sft | 1,107.00 | 26.69 | 29,546 |
| | **25. IRON WORK** | | | | | |
| 27 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 48.00 | 1,312.45 | 62,998 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 28 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 24.00 | 544.15 | 13,060 |
| 29 | 25/64 | Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge | P.Sft | 30.00 | 3,352.70 | 100,581 |
| | **26. MISCELLANEOUS** | | | | | |
| 30 | 26/45 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,555.38 | 12.55 | 44,620 |
| | | **Total** | | | | **5,415,332** |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | **1,084,668** |
| | | **G.Total** | | | | **6,500,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | |
| | **Footing** | | | | | | |
| | Long Wall A | 2 | 92.25 | 3.00 | 3.00 | 1,660.50 | |
| | Short Wall A | 2 | 25.88 | 3.00 | 3.00 | 465.75 | |
| | | | | | **Total:** | **2,126.25** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | 40% | 2,126.25 | | | **850.50** | |
| | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | |
| | Male & Female Toilet | 2 | 10.88 | 19.50 | 4.00 | 1696.50 | |
| | Male & Female Toilet | 2 | 4.00 | 6.38 | 4.00 | 204.00 | |
| | W.C | 10 | 6.00 | 3.50 | 4.00 | 840.00 | |
| | | | | | **Total:** | **2,740.50** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | |
| | Long Wall A | 2 | 92.25 | 3.00 | 0.25 | 138.38 | |
| | Short Wall A | 2 | 25.88 | 3.00 | 0.25 | 38.81 | |
| | Short Wall A | 10 | 6.00 | 3.00 | 0.25 | 45.00 | |
| | | | | | **Total:** | **222.19** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Male & Female Toilet | 2 | 10.88 | 19.50 | 0.33 | 139.96 | |
| | Male & Female Toilet | 2 | 4.00 | 6.38 | 0.33 | 16.83 | |
| | W.C | 10 | 6.00 | 3.50 | 0.33 | 69.30 | |
| | W.C | 2 | 6.00 | 6.00 | 0.33 | 23.76 | |
| | | | | | **Total:** | **249.85** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | |
| i | **Ground Floor** | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Height | | |
| | Male & Female Toilet | 2 | 10.88 | 19.50 | 0.17 | 72.10 | |
| | Male & Female Toilet | 2 | 4.00 | 6.38 | 0.17 | 8.67 | |
| | W.C | 10 | 6.00 | 3.50 | 0.17 | 35.70 | |
| | W.C | 2 | 6.00 | 6.00 | 0.17 | 12.24 | |
| | | | | | **Total:** | **128.71** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | |
| | Long Wall A | 2 | 92.25 | 2.50 | 0.50 | 230.63 | |
| | Short Wall A | 2 | 25.88 | 2.50 | 0.50 | 64.69 | |
| | | | | | **Total:** | **295.31** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | |
| i | **Plinth Bemas** | | | | | | |
| | Long Wall A | 2 | 92.25 | 0.75 | 0.75 | 103.78 | |
| ii | **RCC on ROOF Slab** | | | | | | |
| | Roof Area | 2 | 470.00 | Sft | 0.50 | 470.00 | |
| | self | 2 | 15.13 | 2.00 | 0.33 | 19.97 | |
| | | | | | **Total** | **593.75** | Cft |
| 9 | **Reinforcement** | | | | | | |
| | RCC Footing | 1 | 200.00 | 2.50 | Per Cft | 500.00 | |
| | Superstructural | 1 | 200.00 | 4.50 | Per Cft | 900.00 | |
| | | | | | **Total** | **1,400.00** | Kg |
| 10 | **Horizontal DPC** | | | | | | |
| | Long Wall A | 2 | 92.25 | 0.75 | | 138.38 | |
| | Short Wall A | 2 | 25.88 | 0.75 | | 38.81 | |
| | Short Wall A | 10 | 6.00 | 0.75 | | 45.00 | |
| | | | | | **Total:** | **222.19** | Sft |
| 11 | **Vertical DPC** | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Height | | |
| | Long Wall A | 2 | 92.25 | | 1.50 | 276.75 | |
| | Short Wall A | 2 | 25.88 | | 1.50 | 77.63 | |
| | Short Wall A | 10 | 6.00 | | 1.50 | 90.00 | |
| | | | | | **Total:** | **444.38** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | |
| | **Ist Steps** | | | | | | |
| | Long Wall A | 2 | 92.25 | 1.50 | 0.50 | 276.75 | |
| | Short Wall A | 2 | 25.88 | 1.50 | 0.50 | 77.63 | |
| | Short Wall A | 10 | 6.00 | 1.50 | 0.50 | 90.00 | |
| | **2nd Steps** | | | | | | |
| | Long Wall A | 2 | 92.25 | 1.13 | 0.50 | 207.56 | |
| | Short Wall A | 2 | 25.88 | 1.13 | 0.50 | 58.22 | |
| | Short Wall A | 10 | 6.00 | 1.13 | 0.50 | 67.50 | |
| | **3rd Steps** | | | | | | |
| | Long Wall A | 2 | 92.25 | 0.75 | 4.50 | 138.38 | |
| | Short Wall A | 2 | 25.88 | 0.75 | 4.50 | 38.81 | |
| | Short Wall A | 10 | 6.00 | 0.75 | 4.50 | 45.00 | |
| | Planter | 2 | 39.00 | 0.75 | 2.00 | 117.00 | |
| | Ent Steps | | | | | | |
| | 1st Steps | 4 | 9.38 | 3.00 | 0.50 | 56.25 | |
| | 2nd Steps | 4 | 9.38 | 2.00 | 0.50 | 37.50 | |
| | 3rd Steps | 4 | 9.38 | 1.00 | 0.50 | 18.75 | |
| | | | | | **Total:** | **1,229.34** | Cft |
| 13 | **Brick masonry in super structure** | | | | | | |
| | **Ground Floor** | | | | | | |
| | Long Wall A | 2 | 92.25 | 0.75 | 11.00 | 138.38 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Height | | |
| | Short Wall A | 2 | 25.88 | 0.38 | 11.00 | 19.41 | |
| | Short Wall A | 10 | 6.00 | 0.38 | 11.00 | 22.50 | |
| | Planter | 2 | 39.00 | 0.75 | 3.00 | 175.50 | |
| | **Deduction** | | | | | | |
| | Door | -4 | 3.50 | 0.75 | 7.00 | (73.50) | |
| | Door | -10 | 2.50 | 0.38 | 7.00 | (65.63) | |
| | Window | -12 | 2.00 | 0.75 | 2.00 | (36.00) | |
| | | | | | **Total:** | **180.66** | Cft |
| 14 | **Sand filling** | | | | | | |
| | Male & Female Toilet | 2 | 10.88 | 19.50 | 0.33 | 139.96 | |
| | Male & Female Toilet | 2 | 4.00 | 6.38 | 0.33 | 16.83 | |
| | W.C | 10 | 6.00 | 3.50 | 0.33 | 69.30 | |
| | W.C | 2 | 6.00 | 6.00 | 0.33 | 23.76 | |
| | Deck Area | 2 | 12.75 | 6.50 | 0.33 | 54.70 | |
| | | | | | **Total:** | **304.55** | **Cft** |
| 15 | **Superb Quality Ceramic tile** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Male & Female Toilet | 2 | 10.88 | 19.50 | | 424.13 | |
| | Male & Female Toilet | 2 | 4.00 | 6.38 | | 51.00 | |
| | W.C | 10 | 6.00 | 3.50 | | 210.00 | |
| | W.C | 2 | 6.00 | 6.00 | | 72.00 | |
| | | | | | **Total** | **757.13** | Sft |
| 16 | **Wall skirting/dado** | | | | | | |
| | Male & Female Toilet | 4 | 10.88 | | 7.00 | 304.50 | |
| | | 4 | 19.50 | | 7.00 | 546.00 | |
| | Male & Female Toilet | 4 | 4.00 | | 7.00 | 112.00 | |
| | | 4 | 6.38 | | 7.00 | 178.50 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Height | | |
| | W.C | 20 | 6.00 | | 7.00 | 840.00 | |
| | | 20 | 3.50 | | 7.00 | 490.00 | |
| | W.C | 4 | 6.00 | | 7.00 | 168.00 | |
| | | 4 | 6.00 | | 7.00 | 168.00 | |
| | **Deduction** | | | | | | |
| | Door | -4 | 3.50 | | 7.00 | -98.00 | |
| | Door | -10 | 2.50 | | 7.00 | -175.00 | |
| | | | | | **Total** | **2,534.00** | Sft |
| 17 | **Prepolished Granite** | | | | | | |
| | **Entrance step** | | | | | | |
| | **Front Side** | | | | | | |
| | Deck Area | 2 | 12.75 | 6.50 | | 165.75 | |
| | 1st Treads | 2 | 9.38 | 1.00 | | 18.75 | |
| | 2nd Treads | 2 | 9.38 | 1.00 | | 18.75 | |
| | 1st Riser | 2 | 9.38 | | 0.50 | 9.38 | |
| | 2nd Riser | 2 | 9.38 | | 0.50 | 9.38 | |
| | **Window Sills** | | | | | | |
| | V-1 | 12 | 2.00 | 1.00 | | 24.00 | |
| | Vanity shelf | 2 | 15.13 | 2.00 | | 60.50 | |
| | | | | | **Total** | **306.50** | Sft |
| 18 | **Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Male & Female Toilet | 2 | 10.88 | 19.50 | | 424.13 | |
| | Male & Female Toilet | 2 | 4.00 | 6.38 | | 51.00 | |
| | W.C | 10 | 6.00 | 3.50 | | 210.00 | |
| | W.C | 2 | 6.00 | 6.00 | | 72.00 | |
| | | | | | **Total** | **757.13** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Height | | |
| 19 | **Internal Wall Plaster** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Male & Female Toilet | 4 | 10.88 | | 11.00 | 478.50 | |
| | | 4 | 19.50 | | 11.00 | 858.00 | |
| | Male & Female Toilet | 4 | 4.00 | | 11.00 | 176.00 | |
| | | 4 | 6.38 | | 11.00 | 280.50 | |
| | W.C | 20 | 6.00 | | 11.00 | 1320.00 | |
| | | 20 | 3.50 | | 11.00 | 770.00 | |
| | W.C | 4 | 6.00 | | 11.00 | 264.00 | |
| | | 4 | 6.00 | | 11.00 | 264.00 | |
| | **Deduction** | | | | | | |
| | Door | -4 | 3.50 | | 7.00 | -98.00 | |
| | Door | -10 | 2.50 | | 7.00 | -175.00 | |
| | Window | -12 | 2.00 | | 2.00 | -48.00 | |
| | | | | | **Total** | **4,090.00** | Sft |
| 20 | **External Wall Plaster** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | **External wall** | | | | | | |
| | Long Wall A | 1 | 92.25 | Rft | 12.00 | 1,107.00 | |
| | | | | | **Total** | **1,107.00** | Sft |
| 21 | **Distempering** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Qty as per internal plaster of Slab | | | | | 757.13 | |
| | Qty as per internal plaster of walls | | | | | 4,090.00 | |
| | | | | | **Total** | **4,847.13** | Sft |
| 22 | **Soild Core Door** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | D-1 | 4 | 3.50 | | 8.00 | 112.00 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Height | | |
| | D-2 | 10 | 5.00 | | 8.00 | 400.00 | |
| | | | | | **Total** | **512.00** | Sft |
| 23 | **M.S chowkat** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | D-1 | 4 | 3.50 | | 8.00 | 112.00 | |
| | D-2 | 10 | 2.50 | | 8.00 | 200.00 | |
| | | | | | **Total** | **312.00** | Sft |
| 24 | **Mortice Lock** | | | | | | |
| i | Ground Floor | 14 | | | | 14.00 | |
| | | | | | **Total** | **14.00** | **No** |
| 25 | **Door Stops** | | | | | | |
| i | Ground Floor | 14 | | | | 14.00 | |
| | | | | | **Total** | **14.00** | **No** |
| 26 | **Weathersheild paint** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Qty as per External plaster of walls | | | | | 1,107.00 | |
| | | | | | **Total** | **1,107.00** | Sft |
| 27 | **Aluminium Window** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | V-1 | 12 | 2.00 | | 2.00 | 48.00 | |
| | | | | | **Total** | **48.00** | Sft |
| 28 | **Aluminum Fly screen** | | | | | | |
| i | **Ground Floor** | | | | | | |
| | Qty same as per window | 1 | 48.00 | 50% | | 24.00 | |
| | | | | | **Total** | **24.00** | Sft |
| 29 | **M.S. Stair Railing** | | | | | | |
| i | **Ground Floor** | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

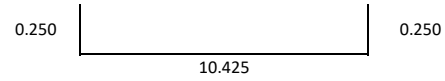
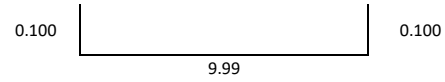
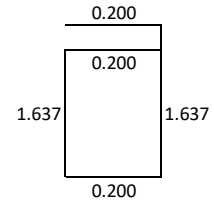
**Construction And Development of Star Gazing Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Height | | |
| | Ramp Railing | 2 | 15.00 | | | 30.00 | |
| | | | | | **Total** | **30.00** | Rft |
| 30 | **Termite proofing under foundations** | | | | | | |
| | **at beds** | | | | | | |
| | Long Wall A | 2 | 92.25 | 3.00 | | 553.50 | |
| | Short Wall A | 2 | 25.88 | 3.00 | | 155.25 | |
| | Short Wall A | 10 | 6.00 | 3.00 | | | |
| | Planter | 2 | 39.00 | 1.50 | | | |
| | **sides** | | | | | | |
| | Long Wall A | 4 | 92.25 | | 3.00 | 1,107.00 | |
| | Short Wall A | 4 | 25.88 | | 3.00 | 310.50 | |
| | Short Wall A | 20 | 6.00 | | 3.00 | 360.00 | |
| | Planter | 4 | 39.00 | | 2.00 | 312.00 | |
| | **Under Floor** | | | | | | |
| | Male & Female Toilet | 2 | 10.88 | 19.50 | | 424.13 | |
| | Male & Female Toilet | 2 | 4.00 | 6.38 | | 51.00 | |
| | W.C | 10 | 6.00 | 3.50 | | 210.00 | |
| | W.C | 2 | 6.00 | 6.00 | | 72.00 | |
| | | | | | **Total:** | **3,555.38** | **Sft** |

**Item** Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) ( Plinth Beams, Door Lintels & roof slab)

**Ref. #** Ch 6, Pg 96

| S.No | Description | Dia | Bar No. | No. | No. of Bar | Total No. of Bar | Each Length (m) | Total Length (m) | Unit Wt (Kg)/m | Total Wt. (Kg) | Binding Shape |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | **Raft** | | | | | | | | | | |
| | Top and Bottom Main Bar @ 175 mm c/c | 12mm | | 1 | 58 | 58 | 10.93 | 634.586 | 0.888 | 563.51 |   |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | Top and Bottom Distribution Bar @ 300 mm c/c | 12mm | | 10 | 36 | 358 | 10.19 | 3642.925 | 0.888 | 3234.92 |   |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | **Long Side Long Wall Outer** | | | | | | | | | |   |
| | | | | | | | | | | | |
| | **Wall-1** | | | | | | | | | | |
| 1 | Main Bar @ 200 mm c/c | 12mm | | 12 | 2 | 24 | 3.87 | 92.976 | 0.888 | 82.56 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | **Total (2 Set)** | **3880.51** | |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## Kids Play Zone

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 2,500,000 | |
| | **Grand.Total** | **2,500,000** | **2,500,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Boating Deck

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 10,000,000 | |
| | **Grand.Total** | **10,000,000** | **10,000,000** |

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Boundary Fencing of Wildlife Park and Zones where Required**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 18,700,000 | |
| | **Grand.Total** | **18,700,000** | **18,700,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Boundary Fencing of Wildlife Park and Zones where Required**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Mianwali**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | | | | | | |
| 30 | Ch-26 i-49 | Providing and fixing hot dipped Galvanized Iron chainlink mesh/fence of 2"x2"mesh made of wire of specified guage,with the help of 1"x1/8" GI patti, GI.clamp sand screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through meshat top,middle and bottom, fixed on vertical posts of 2" diameter GI pipes(medium quality) erected @ 8ft C/Cduly embeded in PCC (1:2:4)etc.complete in all respect as approved and directed by the Engineer Incharge. | Sft | 37,213.93 | 502.5 | 18,700,000.00 |
| | | **Total** | | | | **18,700,000.00** |

| MEASURMENT SHEETS | | | | | | | |
|---|---|---|---|---|---|---|---|
| **ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)** | | | | | | | |
| **Boundary Fencing of Wildlife Park and Zones where Required** | | | | | | | |
| **Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments. | | | | | | | |
| **Sr.No** | **DESCRIPTION** | **NO.** | **MEASUREMENT** | | | **Contents** | |
| | | | **Length** | **Breadth** | **Height** | | |
| 30 | Providing and fixing hot dipped Galvanized Iron chainlink mesh/fence of 2"x2"mesh made of wire of specified guage,with the help of 1"x1/8" GI patti, GI.clamp sand screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through meshat top,middle and bottom, fixed on vertical posts of 2" diameter GI pipes(medium quality) erected @ 8ft C/Cduly embeded in PCC (1:2:4)etc.complete in all respect as approved and directed by the Engineer Incharge. | | | | | | |
| | **B.Fence** | | | | | | |
| | Parking Area | 1 | 1,200.00 | - | 8.00 | 9,600.00 | |
| | Zone 2 for Glamping & Ecologies Area | 1 | 3,451.74 | - | 8.00 | 27,613.93 | |
| | | | | | **Total:** | **37,213.93** | **Sft** |

**ROUGH COST ESTIMATE**

**SUMMARY OF COST**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) MURREE**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 20,000,000 | |
| | **Grand.Total** | **20,000,000** | **20,000,000** |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| | **3. EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | |
| 1 | 3/21 1ii | Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual | | | | |
| | | ii) in ordinary soil. | P.Cft | 3,780.00 | 15.84 | 59,875 |
| 2 | 3/15 i | Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc. | P.Cft | 1,890.00 | 7.56 | 14,294 |
| 3 | 3/15 ii | Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto (30m). Including carriage | P.Cft | 4,977.20 | 16.25 | 80,879 |
| | **6. CONCRETE** | | | | | |
| 4 | 6/5 i | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 | | | | |
| | | Foundation | P.Cft | 199.24 | 354.13 | 70,556 |
| 5 | 6/2 | Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. | | | | |
| | | Ground Floor | P.Cft | 547.49 | 128.37 | 70,282 |
| 6 | 6/5 f | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4 | | | | |
| | | Ground Floor | P.Cft | 282.04 | 478.11 | 134,847 |
| 7 | 6/6 c-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (c) Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- -<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Foundation | P.Cft | 840.00 | 667.30 | 560,532 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 8 | 6/6 a-2 | Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-<br>(2) Type B (nominal mix 1: 1½: 3) | | | | |
| | | Ground Floor | P.Cft | 102.21 | 814.85 | 83,283 |
| | 6/6-f | Add extra labour for R.C. concrete in 2nd and subsequent storeys. | | | | |
| | | Second Floor | P.Cft | 232.31 | 871.30 | 202,414 |
| | | Third Floor | P.Cft | 232.31 | 927.75 | 215,528 |
| 9 | 6/13 bii | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- | | | | |
| | | ('b) Deformed bars (ii) (Grade-60) | P.Kg | 4,883.28 | 304.80 | 1,488,424 |
| 10 | 6/37 aii | Providing and laying damp proof course of 1: 2: 4 (using cement, sand and shingle), including bitumen coating :- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge :- ii) 2" thick (50 mm) | P.Sft | 125.21 | 131.03 | 16,407 |
| 11 | 6/39 ai b | Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet. 500 gauge: 3/4" Thick | P.Sft | 250.43 | 83.58 | 20,931 |
| | **7. BRICK WORK** | | | | | |
| 12 | 7/4 i | Pacca brick work in foundation and plinth in:-<br>i) Cement, sand mortar:- Ratio 1:5 | | | | |
| | | Foundation | P.Cft | 375.64 | 401.59 | 150,852 |
| | **10. FLOORING** | | | | | |
| 13 | 10/3 | Supplying and filling sand under floor; or plugging in wells. | P.Cft | 547.49 | 57.87 | 31,683 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 14 | 10/32 | Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen laid on base | | | | |
| | | Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor | | | | |
| | 10/24-i+19 | Second Floor | P.Sft | 656.25 | 2,527.08 | 1,658,396 |
| | 10/24-i+19 | Third Floor | P.Sft | 656.25 | 2,538.36 | 1,665,799 |
| | **12. WOOD WORK** | | | | | |
| 15 | 12/51 | Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.. | P.Sft | 25.73 | 957.05 | 24,620 |
| 16 | 12/16 | Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: | | | | |
| | | a) single rebate | P.Sft | 25.73 | 471.65 | 12,133 |
| 17 | 12/22 | Providing and fixing, approved quality mortice lock. | Each | 1.00 | 1,126.50 | 1,127 |
| 18 | 12/31 c | Providing and fixing door stops of 1½" (40 mm) dia rubber block. | Each | 1.00 | 178.85 | 179 |
| | **25. IRON WORK** | | | | | |
| 19 | 25/52 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge | P.Sft | 179.51 | 1,309.00 | 234,972 |

**ROUGH COST ESTIMATE**

**CIVIL WORK**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

| Sr.No | Item.No | DESCRIPTION | UNIT | QUANTITY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|---|---|
| 20 | 25/53 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect. | P.Sft | 94.24 | 544.15 | 51,281 |
| 21 | 25/35. | Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing. | P.Rft | 216.30 | 1,885.05 | 407,736 |
| 22 | 9/13 a | Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:- a) 20 BWG | P.Sft | 1,421.70 | 482.41 | 685,842 |
| 23 | 25/10+11 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc. | P.Kg | 15128.34 | 391.68 | 5,925,467 |
| 24 | 13/5 d | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- i) priming coat. | P.Sft | 4478.36 | 12.07 | 54,054 |
| | | ii) each subsequent coat of paint. 2 coat | P.Sft | 8,956.71 | 24.45 | 218,992 |
| | **26. MISCELLANEOUS** | | | | | |
| 25 | 26/44 | Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge | P.Sft | 3,986.92 | 12.55 | 50,036 |
| | | **Estimated amount for Non-Schedule & Post Detail Design** | | | | 5,808,580 |
| | | **G.Total** | | | | **20,000,000** |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 1 | **Excavation in foundation** | | | | | | | |
| | **Footing** | | | | | | | |
| | F-1 | | 4 | 10.50 | 10.50 | 6.00 | 2,646.00 | |
| | Tow Wall | | 4 | 39.75 | 2.00 | 3.00 | 954.00 | |
| | | | | | **Add 5%** | **Total:** | **3,780.00** | Cft |
| 2 | **Filling, watering and ramming earth under floor:-** | | 50% | 3,780.00 | | | **1890.00** | |
| | | | | | | | | |
| 3 | **Filling, watering and ramming earth under floors:-** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | 3.00 | 4740.19 | |
| | | | | | **Add 5%** | **Total:** | **4,977.20** | Cft |
| 4 | **Cement Concrete in foundation & plinth (Ratio 1:4:8)** | | | | | | | |
| | F-1 | | 4 | 10.50 | 10.50 | 0.25 | 110.25 | |
| | Tow Wall | | 4 | 39.75 | 2.00 | 0.25 | 79.50 | |
| | | | | | **Add 5%** | **Total:** | **199.24** | Cft |
| 5 | **Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | 0.33 | 521.42 | |
| | | | | | **Add 5%** | **Total:** | **547.49** | Cft |
| 6 | **P.C.C 1:2:4** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | 0.17 | 268.61 | |
| | | | | | **Add 5%** | **Total:** | **282.04** | Cft |
| 7 | **R.C.C. in Raft foundation** | | | | | | | |
| | Footing | | 4 | 10.00 | 10.00 | 2.00 | 800.00 | |
| | | | | | **Add 5%** | **Total:** | **840.00** | Cft |
| 8 | **RCC in roof slab, beam, column & other structural members** | | | | | | | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| i | **Plinth Columns** | | | | | | | |
| | C-1 | | 4 | 3.14 | Area | 7.75 | 97.34 | |
| | | | | | **Add 5%** | **Total** | **102.21** | Cft |
| ii | **RCC in roof slab,** | | | | | | | |
| i | **Second Floor** | | 0.5 | 25.00 | 25.00 | 0.21 | 65.00 | |
| | | | 1 | 25.00 | 25.00 | 0.25 | 156.25 | |
| | | | | | **Add 5%** | **Total** | **232.31** | Cft |
| iii | **Third Floor** | | 0.5 | 25.00 | 25.00 | 0.21 | 65.00 | |
| | | | 1 | 25.00 | 25.00 | 0.25 | 156.25 | |
| | | | | | **Add 5%** | **Total** | **232.31** | Cft |
| 9 | **Reinforcement** | | | | | | | |
| | RCC Footing | | 1 | 840.00 | 2.50 | Per Cft | 2,100.00 | |
| | Superstructural | | 1 | 566.83 | 4.50 | Per Cft | 2,550.74 | |
| | | | | | **Add 5%** | **Total** | **4,883.28** | Kg |
| 10 | **Horizontal DPC** | | | | | | | |
| | Toe Wall | | 4 | 39.75 | 0.75 | | 119.25 | |
| | | | | | **Add 5%** | **Total:** | **125.21** | Sft |
| 11 | **Vertical DPC** | | | | | | | |
| | Toe Wall | | 4 | 39.75 | | 1.50 | 238.50 | |
| | | | | | **Add 5%** | **Total:** | **250.43** | Sft |
| 12 | **Brick masonry in Foundation** | | | | | | | |
| | **Ist Steps** | | | | | | | |
| | Toe Wall | | 4 | 39.75 | 1.13 | 0.50 | 89.44 | |
| | **2nd Steps** | | | | | | | |
| | Toe Wall | | 4 | 39.75 | 0.75 | 2.25 | 268.31 | |
| | | | | | **Add 5%** | **Total:** | **375.64** | Cft |
| 13 | **Sand filling** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | 0.33 | 521.42 | |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total:** | **547.49** | **Cft** |
| 14 | **Shisham wood block flooring** | | | | | | | |
| i | **Second Floor** | | | | | | | |
| | | | 1 | 25.00 | 25.00 | | 625.00 | |
| | | | | | **Add 5%** | **Total** | **656.25** | Sft |
| ii | **Third Floor** | | | | | | | |
| | | | 1 | 25.00 | 25.00 | | 625.00 | |
| | | | | | **Add 5%** | **Total** | **656.25** | Sft |
| 15 | **Soild Core Door** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 1 | 3.50 | | 7.00 | 24.50 | |
| | | | | | **Add 5%** | **Total** | **25.73** | Sft |
| 16 | **M.S chowkat** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | D-1 | | 1 | 3.50 | | 7.00 | 24.50 | |
| | | | | | **Add 5%** | **Total** | **25.73** | Sft |
| 17 | **Mortice Lock** | | | | | | | |
| i | Ground Floor | | 1 | | | | 1.00 | |
| | | | | | | **Total** | **1.00** | **No** |
| 18 | **Door Stops** | | | | | | | |
| i | Ground Floor | | 1 | | | | 1.00 | |
| | | | | | | **Total** | **1.00** | **No** |
| 19 | **Aluminium Window** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | W-1 | | 1 | 12.84 | | 8.33 | 106.96 | |
| | W-2 | | 4 | 4.00 | | 4.00 | 64.00 | |
| | | | | | **Add 5%** | **Total** | **179.51** | Sft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| 20 | **Aluminum Fly screen** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Qty same as per window | | 1 | 179.51 | 50% | | 89.75 | |
| | | | | | **Add 5%** | **Total** | **94.24** | Sft |
| 21 | **Stair Railing** | | | | | | | |
| i | **Ground Floor** | | | | | | | |
| | Hand Railing | | 4 | 39.00 | | | 156.00 | |
| | Hand Railing | | 2 | 25.00 | | | 50.00 | |
| | | | | | **Add 5%** | **Total** | **216.30** | Rft |
| 22 | **Corrugated galvanized iron sheets** | | | | | | | |
| | Second Area | | 1 | 25.00 | 25.00 | | 625.00 | |
| | Third Area | | 1 | 25.00 | 25.00 | | 625.00 | |
| | Top Area | | 4 | 20.00 | Area | | 80.00 | |
| | Top Area | | 4 | 6.00 | Area | | 24.00 | |
| | | | | | **Add 5%** | **Total** | **1,421.70** | Sft |
| 23 | **Fabrication of heavy steel work** | | | | | | | |
| | **Type A Roof** | | | | | | | |
| | M.S Pipe 10" dia 1/4" thick | 1 | 4 | 50.00 | 2.63 | 0.021 | 11.03 | Cft |
| | Cross MS Box 3"x3"x1/4" | 4 | 8 | 17.00 | 1.00 | 0.021 | 11.42 | Cft |
| | M.S Box Horezental 3"x3"x1/4" | 2 | 4 | 15.00 | 1.00 | 0.021 | 2.52 | Cft |
| | M.S Box Horezental 6"x6"x1/4" | 2 | 4 | 25.00 | 2.00 | 0.021 | 8.40 | Cft |
| | M.S Box Horezental 3"x3"x1/4" | 2 | 6 | 25.00 | 1.00 | 0.021 | 6.30 | Cft |
| | M.S Box Horezental 3"x3"x1/4" | 1 | 4 | 28.00 | 1.00 | 0.021 | 2.35 | Cft |
| | M.S Box Horezental 4"x4"x1/4" | 1 | 4 | 15.00 | 1.32 | 0.021 | 1.66 | Cft |
| | M.S Box Horezental 3"x3"x1/4" | 1 | 4 | 8.00 | 1.00 | 0.021 | 0.67 | Cft |
| | M.S Base Plate 18" dia 1" thick | 1 | 4 | 1.77 | Area | 0.08 | 0.59 | Cft |
| | Anchor Bolts 3/4" dia | 1 | 4 | 0.0031 | Area | 3.50 | 0.04 | Cft |

**MEASURMENT SHEETS**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

**Construction And Development of Watch Tower in the Eco Lodges Zone**

**Note:** All measurements are calculated for estimate only. These measurements cannot be used for payments.

| Sr.No | DESCRIPTION | | NO. | MEASUREMENT | | | Contents | |
|---|---|---|---|---|---|---|---|---|
| | | | | Length | Breadth | Height | | |
| | | | | | **Add 5%** | **Total** | **47.24** | Cft |
| | | | | **47.24** | Lbs Per cft | **490.00** | **23,148.69** | Lbs |
| | | | | | | **Total** | **10,503.03** | Kg |
| | M.S Stair With Railing | 1 | 1 | 26.00 | 5.00 | | 130.00 | Sft |
| | | | | **130.00** | Kg Per Sft | **25.00** | **3,250.00** | Kg |
| | | | | | | **G.Total** | **13,753.03** | Kg |
| | | | | **Add 10% Revit & Extra Work** | | | **15,128.34** | Kg |
| 24 | **Painting of Iron Work** | | | | | | | |
| | Sheet Area | | 2 | 1,421.70 | | | 2,843.40 | |
| | framed structure, walls, pieces, purlins, cleats, Connection Assembly etc. | | | 50% of All Quantities | | | 1421.70 | |
| | | | | | **Add 5%** | **Total** | **4,478.36** | Sft |
| 25 | **Termite proofing under foundations** | | | | | | | |
| | **at beds** | | | | | | | |
| | F-1 | | 4 | 10.50 | 10.50 | | 441.00 | |
| | Tow Wall | | 4 | 39.75 | 2.00 | | 318.00 | |
| | **sides** | | | | | | | |
| | F-1 | | 16 | 10.50 | | 3.00 | 504.00 | |
| | Tow Wall | | 8 | 39.75 | | 3.00 | 954.00 | |
| | **Under Floor** | | | | | | | |
| | Watch Tower | | 1 | 39.75 | 39.75 | | 1580.06 | |
| | | | | | **Add 5%** | **Total:** | **3,986.92** | **Sft** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

## Land Scaping Area

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 10,000,000 | |
| | **Grand.Total** | **10,000,000** | **10,000,000** |

## SUMMARY OF COST

## ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

### Admin Block

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 17,500,000 | |
| | **Grand.Total** | **17,500,000** | **17,500,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT WETLANDS IN PUNJAB (Uchali Lake)

### Complete Utilities Infrastructure Works WS/Sewerage

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 50,000,000 | |
| | **Grand.Total** | **50,000,000** | **50,000,000** |

## SUMMARY OF ELECTRIFICATION WORKS - MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA

### MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI

| Sr No. | Description | Schedule Items | Non-Schedule Items | Amount (Rs) |
|---|---|---|---|---|
| 1 | Overhead Electrification | - | 27,480,408 | 27,480,408 |
| 2 | Substation | 2,657,897 | 16,199,000 | 18,856,897 |
| 3 | External Electrification | 48,421,824 | 10,737,912 | 59,159,736 |
| 4 | Main Entrance Gate | 693,621 | 3,476,000 | 4,169,621 |
| 5 | **Zone - I** | | | |
| a | Solar Parking for 100 vehicles and 50 Motorcycles | 495,296 | 278,800 | 774,096 |
| b | Rest rooms block near parking (6+6) Block | 638,230 | 1,341,800 | 1,980,030 |
| c | Information Centre | 1,856,198 | 13,885,000 | 15,741,198 |
| d | Cultural Bazaar | 133,718 | 128,000 | 2,355,458 |
| e | Restaurant | 1,722,926 | 1,955,000 | 3,677,926 |
| f | Photographic Deck | 1,844,398 | 276,250 | 2,120,648 |
| g | Painting Spots<br>Qty:02 | 1,844,398 | 276,250 | 2,120,648 |

## SUMMARY OF ELECTRIFICATION WORKS - MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr No. | Description | Schedule Items | Non-Schedule Items | Amount (Rs) |
|---|---|---|---|---|
| h | Boating Deck | 1,844,398 | 276,250 | 2,120,648 |
| 6 | Zone - II | | | |
| a | Ecolodges single beds Qty:03 | 828,249 | 2,228,600 | 9,170,546 |
| b | Ecolodges Double beds Qty:02 | 1,159,761 | 3,217,400 | 8,754,322 |
| c | Glamping Pods single beds Qty:03 | 700,571 | 2,595,200 | 9,887,313 |
| d | Glamping Pods Double beds Qty:02 | 1,100,672 | 4,200,400 | 10,602,143 |
| e | Star Gauzing Tower | 666,730 | 3,895,320 | 4,562,050 |
| f | Kids Play zone Area Near Ecolodges | 1,844,398 | 276,250 | 2,120,648 |
| g | Boating deck in Zone 2 | 1,844,398 | 276,250 | 2,120,648 |
| h | Landscaping Area | 1,844,398 | 276,250 | 2,120,648 |
| i | Admin Block | 1,459,714 | 11,612,600 | 13,072,314 |
| **TOTAL AMOUNT (Rs)** | | **73,601,797** | **104,888,940** | **202,967,951** |

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA

### *PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)*

| DESCRIPTION | UNIT | QTY | RATE (Rs) | AMOUNT (Rs) |
|---|---|---|---|---|
| CONDUCTOR (HT) DOG | MTR | 7,000 | 413 | 2,891,000 |
| PC POLE (HT) 45' | NO | 20 | 108,254 | 2,165,080 |
| STEEL CROSS ARM (WITH BRACES) | NO | 40 | 10,068 | 402,720 |
| 11KV DISC INSULATOR | NO | 40 | 4,019 | 160,760 |
| DEAD END CLAMP (DOG) | NO | 40 | 537 | 21,480 |
| ANCHOR SHAKLE | NO | 40 | 230 | 9,200 |
| DOUBLE ARMING BOLT | NO | 40 | 455 | 18,200 |
| EYE - NUT | NO | 40 | 173 | 6,920 |
| P.G CONNECTOR (DOG) | NO | 40 | 703 | 28,120 |
| 11KV PIN TYPE INSULATOR | NO | 200 | 1,177 | 235,400 |
| 11 KV INSULATOR PIN FOR STEEEL X ARM | NO | 200 | 997 | 199,400 |
| STRUT STAY | NO | 50 | 100 | 5,000 |
| STAY ROD | NO | 50 | 63 | 3,150 |
| STAY WIRE | KG | 300 | 358 | 107,400 |
| EARTH ROD | NO | 70 | 1,500 | 105,000 |
| EARTH WIRE | KG | 200 | 358 | 71,600 |
| NUT & BOLTS | L/S | 1 | 15,000 | 15,000 |
| **SUB TOTAL** | | | | **6,445,430** |
| **12% STORE CHARGES OF TOTAL COST OF MATERIAL** | | | | **773,452** |
| **SUB TOTAL WIITH 12% STORE CHARGES** | | | | **7,218,882** |
| **10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL** | | | | **721,888** |
| **GRAND TOTAL** | | | | **7,940,770** |
| **CIVIL WORK** | | | | |
| ERRECTION OF HT PC POLE (45') | JOB | 10 | 10,000 | 100,000 |
| ERRECTION OF STRUT STAY | JOB | 10 | 5,000 | 50,000 |
| FIXING OF STAY ROD HT | JOB | 10 | 800 | 8,000 |
| **TOTAL** | | | | **158,000** |

### *BOQ/COST ESTIMATE FOR 200 KVA DISTRIBUTION TRANSFORMER/ SUB STATION ON DOUBLE POLE (11KV FEEDER # 1)*

| DESCRIPTION | UNIT | QTY | RATE (Rs) | AMOUNT (RS) |
|---|---|---|---|---|
| TRANSFORMER 200 KVA | NO | 7 | 1,620,000 | 11,340,000 |
| LT PC POLE FOR T/F PLATEFORM | NO | 7 | 70,000 | 490,000 |
| STEEL CROSS ARM (WITH BRACES) | NO | 7 | 10,068 | 70,476 |
| PIN INSULATORS | NO | 21 | 1,177 | 24,717 |

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA

***PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)***

| | | | | |
|---|---|---|---|---|
| PIN FOR INSULATOR | NO | 21 | 997 | 20,937 |
| STEEL X-ARMS FOR D-FITTING | NO | 7 | 8,000 | 56,000 |
| DROP OUT CUT OUT | SET | 21 | 4,878 | 102,438 |
| TRANSFORMER PLATFORM (DOUBLE POLE) | NO | 7 | 30,240 | 211,680 |
| RABBIT CONDUCTOR FOR JUMPRING | MTR | 190 | 256 | 48,640 |
| D-SHACKLE | NO | 56 | 409 | 22,904 |
| SPOOL INSULATOR | NO | 56 | 318 | 17,808 |
| EARTH ROD | NO | 14 | 1,500 | 21,000 |
| EARTH WIRE | KG | 70 | 358 | 25,060 |
| NUT & BOLTS | L/S | 1 | 15,000 | 15,000 |
| **SUB TOTAL** | | | | **12,466,660** |
| **12% STORE CHARGES OF TOTAL COST OF MATERIAL** | | | | **1,495,999** |
| **SUB TOTAL WIITH 12% STORE CHARGES** | | | | **13,962,659** |
| **10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL** | | | | **1,396,266** |
| **GRAND TOTAL** | | | | **15,358,925** |
| **CIVIL WORK** | | | | |
| ERRECTION OF LT PC POLE | JOB | 10 | 12,000 | 120,000 |
| EARTHING OF LT PC POLES | JOB | 12 | 1,000 | 12,000 |
| EARTHING TRANSFORMERS | JOB | 20 | 1,000 | 20,000 |
| **TOTAL** | | | | **152,000** |

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA

***PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)***

***COST OF MATERIAL FOR LT LINE (Overhead)***

**(11KV FEEDER # 1)**

| DESCRIPTION | UNIT | QTY | RATE (RS) | AMOUNT (RS) |
|---|---|---|---|---|
| LT P.C POLES | NO | 5 | 8,000 | 40000 |
| D. SHAKLE | NO | 50 | 409 | 20450 |
| SPOOL INSULATOR | NO | 50 | 318 | 15900 |
| WASP CONDUCTOR | MTR | 800 | 374 | 299200 |
| WASP CONDUCTOR FOR JUMPRING | MTR | 800 | 374 | 299200 |
| L.C - 16 | NO | 500 | 145 | 72500 |
| EARTH ROD | NO | 60 | 1,500 | 90000 |
| EARTH WIRE | KG | 300 | 358 | 107400 |
| STAY ROD | NO | 150 | 63 | 9450 |
| STAY WIRE | KG | 400 | 358 | 143200 |
| NUTS & BOLTS | L/S | 8 | 15,000 | 120000 |
| **SUB TOTAL** | | | | **1,217,300** |
| **12% STORE CHARGES** | | | | **146,076** |
| **SUB TOTAL WIITH 12% STORE CHARGES** | | | | **1,363,376** |
| **10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL** | | | | **136,338** |
| **GRAND TOTAL** | | | | **1,499,714** |
| ERRECTION OF LT PC POLE | JOB | 15 | 4,000 | 60,000 |
| EARTHING OF LT PC POLES | JOB | 15 | 1,000 | 15,000 |
| FIXING OF STAY ROD LT | JOB | 120 | 800 | 96,000 |
| **TOTAL** | | | | **171,000** |
| **Price of Demand Notice Including Grid and Panel, Feeder Connectiona and WAPDA Charges** | | | | **2,200,000** |
| **GRAND TOTAL OF ALL ABOVE ITEMS** | | | | **27,480,408** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS FOR SUBSTATION** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 90 | 446 | 40,100 |
| **2** | | **Pvc Pipe** | | | | |
| | **CH-24/8/i** | Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials<br>50mm dia | Meter | 90 | 559 | 50,333 |
| **3** | | **HDPE Pipe** | | | | |
| | **CH-23/42/d/1** | Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/Popular/ IIL or approved equivalent manufacturer, including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects.<br>d) PN -12.5 (SDR-13.6)<br>1) 25mm | Meter | 100 | 140 | 14,045 |
| **4** | | **Single Core Cable** | | | | |
| | **CH-24-11-i, iii, iv & v** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):- | | | | |
| a | | 3/0.74 mm (3/0.029") | Meter | 150 | 120 | 17,978 |
| b | | 7/0.74 mm (7/0.029") | Meter | 55 | 173 | 9,429 |
| c | | 7/0.91 mm (7/0.036") | Meter | 65 | 240 | 15,574 |
| d | | 7/1.12 mm (7/0.044") | Meter | 95 | 333 | 31,668 |
| **5** | | **Three Core Cable** | | | | |
| | **CH-24/13-b-vi** | Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-<br>b)Three core, 600/1000 volt cable<br>7/1.63 mm (7/0.064") | Meter | 280 | 2,311 | 647,080 |
| **6** | | **Four Core Cable** | | | | |
| | **CH-24-13-d** | Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-<br>**ARMOURED CABLE** | | | | |
| b | **vi** | 35 mm sq (19/0.064) | Meter | 100 | 6,982 | 698,180 |
| c | **ix** | 95 mm sq | Meter | 35 | 15,000 | 525,000 |
| **7** | | **Switches** | | | | |
| | **CH-24/108-b** | P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmer made of Hi-Life / Bush / Schneider / Clipsal or approved equivalent manufacturer, screws complete as approved and directed by the Engineer charge. | | | | |
| | **i** | 4 GANG 1 WAY SWITCH/PLATE | Each | 4 | 971 | 3,885 |
| **8** | | **Switch Sockets** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/108-a-viii** | P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches/sockets/dimmer made of Hi-Life / Bush / Schneider / Clipsal or approved equivalent manufacturer, screws complete as approved and directed by the Engineer charge.<br>**3 pin Power Plug 16 Amp** | Each | 4 | 915 | 3,659 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Distribution Board (Light& Power)** | | | | |
| | CH-24-93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surfacemounted Type), Powder coated Paint, i/c thecost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).<br>(a) 6" deep<br>(i)20~60A | Cft | 2.51 | 24,467 | 61,411 |
| a | | **DB SS Size: 800 x 650 x 200 mm** | | | | |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-90-a-v | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A /SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | 32 TP MCCB 25KA | Each | 1 | 19,861 | 19,861 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-89-a-iii | Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | | 16 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 10 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| 10 | | **FIRE ALARM SYSTEM** | | | | |
| a | | **FACP** | | | | |
| | CH-24/169-i | Supply, installation and commissioning of wired/wireless Addressable Micro processor based Fire Alarm Control Panel (FACP) capable of PC interface with window conforming to EN-54, consisting of specified loop circuits having 240 devices per loop, indicating circuits, built in power supply with back up batteries, alarm and trouble indication, silence alarm and reset system, general alarm and reset system, general alarm facility. Made of Eurotech Fire UK, Notifire USA, Bosch USA complete in all respect as approved and directed by Engineer Incharge.<br>**1 loop panel** | Each | 1 | 294,235 | 294,235 |
| b | | **MULTI DETECTOR** | | | | |
| | CH-24/168 | Supply, installation and connections of Addressable Multi Detectors incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit, adjustable via software between 0-90 seconds and have built in short circuit isolators on both inputs. inclulding cost of all other accessories or equivalent as approved and directed by the Engineer Incharge. | Each | 3 | 11,033 | 33,098 |
| c | | **MANUAL CALL POINT** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/164-i** | Supply, Installation and commissioining with Addressable Break Glass unit,(Manual Call Point) with key type EN-54 having a built in short circuit isolator and microprocessor to ensurea responsetime of max. 1 second,having an indication LED flash after pressing the button to acknowledge the activation and a key operation facility for testing purposes. made of Honeywell/ Bosch/ Eaton (UK) or as approved and directed by the Engineer Incharge. | Each | 1 | 18,587 | 18,587 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **d** | | **SOUNDER & FLASHER** | | | | |
| | **CH-24/165-ii** | Supply, installation and commissioning of Addressable Type Indoor Loop Powered electronic Sounder/Flasher/Bell EN-54 with minimum sound output 100dB at 1 meter with frequencies of variety of sounds as required and shall be loop wired and loop signaled, built in short circuit isolator, configured via software. made of Honeywell/ Bosch/ Eaton (UK), or equivalent as approved and directed by the Engineer Incharge.<br>**With Flasher** | Each | 1 | 25,923 | 25,923 |
| **e** | | **Fire Alarm Cable** | | | | |
| | **CH-24/163-i** | Supply, Installation and commissioning of wiring with specified FireResistant Shielded Cable (Fire Rating for 2 hours) of required size from respective DB to Fire Alarm FACP (Fire Alarm Controle Panel) in prelaid conduit/duct. MakePony / Belden/ Covican (Italy) or equilvent as approved and directed by the Engineer Incharge.<br>**i) 2C,1.5 mm sq** | Meter | 75 | 428 | 32,063 |
| **11** | **CH-24/105-b-i** | Providing and fixing Copper Winded **Exhaust Fan** with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Steel body). 12" dia | Each | 3 | 5,868 | 17,604 |
| **12** | | **Cable Tray** | | | | |
| | **CH-24-100-b** | Providing and fixing specified deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge.<br>i) 4" x 3" | Meter | 50 | 1,731 | 86,545 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **2,657,897** |
| **13** | | **WAPDA METERING PANEL** | | | | |
| | **NS** | Vacuum Circuit Breaker (VCB), HT 11 KV, WAPDA Metering Panel floor mounting, 400/630 A, rating 25 KA, 17.5 KV complete with selector switches, indicating lamps, spring Charging motor 220 V AC, 50ms DC closing coil 110 V DC, 50ms DC Trip Coil 110 V, CT, PT, Earth fault, over current, short circuit, current digital relay, frequency meter, amp meter, volt meter, capacitor trip unit, MCB 06 A, SP, charging handle, push button, mounted in sheet steel cubicle, factory assembled duly painted, single panel unit complete with energy meter, MDI & KVARH complete in all respect. | Each | 1 | 8,000,000 | 8,000,000 |
| **14** | | **Consumer Panel** | | | | |
| | **NS** | Vacuum Circuit Breaker (VCB), HT 11 KV, Consumer Protection Panel floor mounting, 400/630 A, rating 25 KA, 17.5 KV complete with selector switches, indicating lamps, spring Charging motor 220 V AC, 50ms DC closing coil 110 V DC, 50ms DC Trip Coil 110 V, CT, PT, Earth fault, over current, short circuit, current digital relay, frequency meter, amp meter, volt meter, capacitor trip unit, MCB 06 A, SP, charging handle, push button, mounted in sheet steel cubicle, factory assembled duly painted, single panel unit complete with energy meter, MDI & KVARH complete in all respect. | Each | 1 | 8,000,000 | 8,000,000 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**Substation**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **15** | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by Phillips, Thorn, NVC or equivalent | | | | |
| **a** | **NS** | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 10 | 8,400 | 84,000 |
| **b** | | Surface/Ceiling mounted combination exit light with red/green color non-maintained including 3 hours battery backup, injecton-molded thermoplastic ABS housing, AC Power: 7.5 W, Lead-acid battery(6V4.5AH), Lumens: > 8cd/m². Complete in all respects. | Each | 4 | 10,000 | 40,000 |
| **c** | | Surface mounted flood light 100W , IP-65 rating, Lumens rating 10,000, Voltage 220-240V, including SMD LED Chip, Wide lighting angle : 110 degree, Color rendering index <70, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 3 | 25,000 | 75,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **16,199,000** |
| **TOTAL COST** | | | | | | **18,856,897** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 1 | 24/14/a/iii | Twin core cable 7/0.74 mm (7/0.029") - 2.5mm² copper conductor, PVC insulated cable complete (excluding conduit), supply and fixing. | Meters | 1800 | 394 | 709,380 |
| 2a | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 32-100 Amp(36 KA), supply and fixing | Each | 25 | 24,361 | 609,026 |
| 2b | 24/90ai | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 25-100 Amp(25 KA), supply and fixing | Each | 25 | 19,861 | 496,526 |
| 2c | 24/90ax | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 630-1600 Amp(50 KA), supply and fixing | Each | 6 | 348,672 | 2,092,029 |
| 2d | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 125-400 Amp(25 KA), supply and fixing | | 4 | 56,461 | 225,845 |
| 3 | 24/13iv | Supply and erection of single core 16 mm sq (7/0.064") PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, laid in trenches complete with bricks, sand (excluding cost of excavation) supply and fixing. | Meters | 1800 | 764 | 1,374,930 |
| 4 | | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | 24/73/a/ii | Single Arm 10 M | Each | 130 | 134,229 | 17,449,796 |
| b | 24/73/a/iii | Double Arm 10 M | Each | 5 | 139,269 | 696,347 |
| 5 | MRS | Foundation for 10 meter Pole | Each | 235 | 49,148 | 11,549,814 |
| 6 | 24/74cviii | Supplying, installation and commissioning of LED Cobra-head Luminaries of 150 Watt with 18000 lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (NVC/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating devicei/c thecost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge. | Each | 140 | 86,589 | 12,122,516 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **7** | | **Rod Type Earthing** | | | | |
| | **CH-24-175** | Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing). | Job | 50 | 20,577 | 1,028,870 |
| **8** | | **3-Phase Meter** | | | | |
| | **CH-24-79-b-iii** | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3x80 Amp, 400 volts** | Each | 3 | 22,248 | 66,744 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **48,421,824** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Transformer Protection Box** | | | | |
| | NS | Supply, installation, testing and commissioning of wall mounted MCU of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Brass glands, Earth bar, Digital volt meter/Amp meter,Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)<br>IP-65 rating<br>Size: 1.5 ft x 1.5 ft | Each | 2 | 48,000 | 96,000 |
| 10 | | **LT Service Box** | | | | |
| | NS | Supply and installation of floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | Each | 3 | 275,000 | 825,000 |
| 11 | NS | Supply and erection of Single Core armoured XLPE insulated, PVC Sheathed Aluminum conductor cables 600/1000 volts, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- | | | | |
| a | | 1C x 16 mm² | Meters | 200 | 494 | 98,784 |
| b | | 1C x 25 mm² | Meters | 200 | 635 | 127,008 |
| c | | 1C x 35 mm² | Meters | 200 | 706 | 141,120 |
| d | | 1C x 50 mm² | Meters | 200 | 900 | 180,000 |
| e | | 1C x 70 mm² | Meters | 200 | 1200 | 240,000 |
| f | | 1C x 95mm² | Meters | 1000 | 1500 | 1,500,000 |
| g | | 1C x 120 mm² | Meters | 200 | 2000 | 400,000 |
| h | | 1C x 150mm² | Meters | 200 | 2500 | 500,000 |
| 12 | NS | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | | 3 meter Pole for external light | Each | 100 | 35,000 | 3,500,000 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**

**External Electrification**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | NS | Upvc Class D with all fittings (i.e. sockets, bends, tees, elbows where required) and laid complete in trenches (excluding excavation) or fixed to wall, floor (surface or concealed) and ceiling etc., including caps and plugs as required 25mm dia, supply and fixing. | Meters | 200 | 650 | 130,000 |
| 14 | NS | Supply and installation of LED Post Top Light 60W, 8400 lumens, 120° beam angle, CRI >70, power factor: >0.9, 140lm/w, IP-66 rated. Complete in all respect. | Each | 100 | 30,000 | 3,000,000 |
| **NON- SCHEDULE ITEMS TOTAL COST** | | | | | | **10,737,912** |
| **TOTAL COST** | | | | | | **59,159,736** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| 1 | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 150 | 446 | 66,833 |
| b | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| 2 | | **uPVC Pipe** | | | | - |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| 3 | | **Single Core Cable** | | | | - |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| | | **Note: Following cables are for (P+N+CPE)** | | | | - |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 75 | 120 | 8,989 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 40 | 240 | 9,584 |
| | **v** | 7/0.044" (6mm²) | Meter | 35 | 333 | 11,667 |
| 4 | | **Three Core Cable** | | | | - |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| a | | 6mm2 | Meter | 50 | 984 | 49,208 |
| 5 | | **Switches** | | | | - |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | - |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 1 | 878 | 878 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 1 | 1,396 | 1,396 |
| 6 | | **Switch Sockets** | | | | - |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 4 | 745 | 2,978 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |
| 7 | | **Distribution Board (Light& Power)** | | | | |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 850 x 650 x 200mm | Cft | 2.51 | 24,467 | 61,411 |
| **a** | | **DB Entrance Gate & Guard Room** | | | | - |
| | | **MCCB Breakers (Incoming)** | | | | - |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 16 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| **8** | | **M.S Fan Hook** | | | | |
| | **CH-24-54** | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 2 | 84 | 169 |
| **a** | | **Fan Dimmer** | | | | |
| | **CH-24/108-vi** | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 2 | 731 | 1,461 |
| **b** | | **Ceiling Fan** | | | | |
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 2 | 10,819 | 21,639 |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Network Video Recorder** | | | | - |
| b | CH-24-123-i | Supply & Installation of NVR (Network Videorecorder) for Real Time View of specified Channels, video and Audio channels, supported protocols: ONVIF, RTSP etc., Internal HDDs mount support: 4 or higher as per site requirement, Monitor outputs, (HDMI,4K Ultra HD), VGA (Video Graphic array), Support Raid 5/6, Embedded OS, Data Encryption, Min. 1 x RJ-45 1000Mbps Ports, with PC Video Monitoring Software, Web Server, Embedded Server complete in all respect. made of AXIS Europe/NOVAS Europe/Avigilon by Motorola USA /Huawei, Pollo Australia or equivalent approved manufacturer and directed by the Engineer In charge<br>**8-Channel** | Each | 1 | 99,264.90 | 99,265 |
| 10 | | **Hard Drive Disk** | | | | - |
| | CH-24-124-ii | Supply, Installation and Connection of Surveillance Grade Hard Drives (HDD) of Specified Capacity for CCTV System Backup. made of Seagate / WD, Pollo Australia or equivalent approved manufacturer and directed by Engineer In charge.<br>**8TB** | Each | 1 | 48,826.20 | 48,826 |
| 11 | | **POE Switch** | | | | - |
| | CH-24-118-i | Supply, Installation and Connection of Specified Ports Layer-2 PoE (Power Over Ethernet) data Network Switch specified ports x100 Mbps PoE, Min.2x1Gbps SFP UPLINK ports, made of Cisco USA/NOVAS Europe/Juniper USA / Huawei / H3C, Pollo Australia or equivalent approved manufacturer and directed by the Engineer In charge.<br>8 port PoE | Each | 1 | 48,500 | 48,500 |
| 12 | | **Patch Cord** | | | | - |
| | CH-24-114-ii | Supply, Installation and commissioning of Cat-6, UTP Machine Made Patch Cord of Specified Length, Support 10 Giga, UL listed cable, with anti snag boots, Gold Over Nickel Plated, Manufacturer/OEM Authorization, confirming to manufacturer warranty, Made of R&M, Molex, 3M or equivalent Approved and Directed by Engineer Incharge.<br>**1- meter patch cord** | Each | 10 | 1,068 | 10,678 |
| 13 | | **CAT-6** | | | | - |
| | CH-24-113-a-i | Supply, Installation & Connecting of 4 pairs UTP cable CAT-6, make 3M/Clipsal or approved equivalent. **Note:-** 3 meter cable extra provide on Camera and cabinets side. | Meter | 80 | 160 | 12,816 |
| 14 | | **12U Cabinet size (600x550x635 mm)** | | | | - |
| | CH-24-136-i | Supply , installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, 02 way fans for cooling, top & bottom entry, handle lock with 6 way PDU (Power Distribution Unit) with all necessary accessories/ materials, complete in all respects. Made of Bosch/ HP / Dell , Pollo Australia or equivalent or as approved and directed by Engineer Incharge. | Each | 1 | 58,226 | 58,226 |
| 15 | | **Data Outlet** | | | | |
| | CH-24-136-ii | Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: RJ-11 with RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project<br>**Double I/O** | Each | 2 | 2,795 | 5,590 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **693,621** |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 16 | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | - |
| a | NS | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 8 | 2,000 | 16,000 |
| b | NS | Flood light 200W, IP rating 66, 120lm/W, lumens: 24000, power factor >0.9, CRI: >70, AC LED driver included, housing: die cast aluminum. Complete in all respect. | Each | 2 | 40,000 | 80,000 |
| 17 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 18 | NS | Analog Extension Interface with CLI. | Each | 2 | 15,000 | 30,000 |
| 19 | NS | Supply, Installation and Connection of 4 Ports Layer-2 data Network Switch specified ports x1000 Mbps PoE, Min.2x1Gbps SFP UPLINK ports, made of Ruijie, Cisco and Aruba UK. As per specifications complete in all respects. | Each | 1 | 40,000 | 40,000 |
| 20 | | **ANPR CAMERA** | | | | |
| | NS | Supply and installtion of ANPR Camera 8MP, Moto Varifocal Bullet Camera. Effieicient H.265+ compression technology. Make: Hikvision, Dahua or equivalent | Each | 2 | 525,000 | 1,050,000 |
| 21 | | **PARKING SYSTEM** | | | | |
| | | Supply, installation, testing and commissioning of parking booth with automatic Arm Barrier of Length: 3 meters Straight Boom, carbon fiber/aluminum alloy, Input Voltage:AC110V/220V,Motor DC24V Voltage, Average °C Power:250W, Operation Life:≥8 million times(circularly), Open/close Speed:1s, Direction: Left/Right, Working Temperature:-30 ~+70 , With sensor loop, vehicle detector and remote controller, Remote Control Distance:≤30m, Support anti-hit,anti-collision & resistance rebound functions, Dimension:295*360*1040mm, Casing Material: Cold-rolled Sheet, Complete in all respect. | Each | 1 | 1,440,000 | 1,440,000 |
| 22 | NS | Supply, installation, testing and commissioning of LCD screen of 55 inches 4K LED TV. Make: Sony, Samsung or equivalent | Each | 1 | 275,000 | 275,000 |

**MAIN ENTERANCE GATE**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 23 | NS | Supply, installation, testing and commissioning of single phase 3KVA High performance MCU control for higher reliability, Output PF:1.0, Ultra wide voltage input range for harsh grid environments, Multiple protection functions such as overload, short circuit, over voltage, under voltage and bypass, Intelligent battery management features to extend battery life, Online double conversion UPS, voltage specifications: 220 230V with battery bank size for 60 mins @ 3kVA load. 1.5 Year Local/Channel Warranty. Make: Vertiv, Centiel, APC or equivalent | Each | 1 | 300,000 | 300,000 |
| 24 | NS | Supply and installation of 4 core 10mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 1,500 | 225,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **3,476,000** |
| **TOTAL COST** | | | | | | **4,169,621** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**SOLAR PARKING FOR 100 Cars and 50 Bikes**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| **a** | **CH-24-3-iii** | 25 mm dia | Meter | 100 | 446 | 44,555 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 75 | 120 | 8,989 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 35 | 240 | 8,386 |
| | **v** | 7/0.044" (6mm²) | Meter | 25 | 333 | 8,334 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | | 6mm2 | Meter | 150 | 984 | 147,623 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 3 | 1,396 | 4,188 |
| **6** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**SOLAR PARKING FOR 100 Cars and 50 Bikes**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **7** | | **Main Distribution Board** | | | | |
| | **CH-24/93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm | Cft | 3.60 | 24,467 | 88,080 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 16 Amps SP 10KA | Each | 7 | 1,455 | 10,186 |
| | | 10 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| **8** | | **M.S Fan Hook** | | | | |
| | **CH-24-54** | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 1 | 84 | 84 |
| **9** | | **Fan Dimmer** | | | | |
| | **CH-24/108-vi** | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 1 | 731 | 731 |
| **10** | | **Ceiling Fan** | | | | |
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 1 | 10,819 | 10,819 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **495,296** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**SOLAR PARKING FOR 100 Cars and 50 Bikes**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **11** | | **Light Fitting Fixtures** | | | | |
| | **NS** | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| **a** | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 2 | 3,000 | 6,000 |
| **b** | | LED decoractive light for wall mounted, 2 x 8 watts, 220/240 volts, 1200 Lumens Color Redering > 80, Power factor >0.9. Complete in all respect. | Each | 4 | 1,200 | 4,800 |
| **12** | | **Earthing System** | | | | |
| | **NS** | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| **13** | **NS** | Supply and installation of 4 core 16mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 100 | 2,000 | 200,000 |
| **14** | | **Floor Boxes** | | | | |
| | **NS** | Supply and installtion of floor boxes for 4 No of outgoings comprising of 2 light power sockets and 2 RJ-45/RJ-11. Complete in all respect. Make: Legrand, Schneider or equivalent | Set | 6 | 8,000 | 48,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **278,800** |
| **TOTAL COST** | | | | | | **774,096** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 200 | 446 | 89,110 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 150 | 120 | 17,978 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 70 | 173 | 12,110 |
| | **iv** | 7/0.036" (4mm²) | Meter | 100 | 240 | 23,960 |
| | **v** | 7/0.044" (6mm²) | Meter | 80 | 333 | 26,668 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | | 6mm2 | Meter | 100 | 984 | 98,415 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 4 | 1,396 | 5,584 |
| **6** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 4 | 915 | 3,659 |
| **7** | | **Isolator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 2 | 4,733 | 9,466 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 12 | 6,048 | 72,577 |
| 9 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 6 | 1,455 | 8,731 |
| | | 16 Amps SP 10KA | Each | 4 | 1,455 | 5,820 |
| | | 20 Amp SP 10KA | Each | 2 | 1,455 | 2,910 |
| 10 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 4 | 84 | 338 |
| 11 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 4 | 731 | 2,923 |
| 12 | | **Ceiling Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. **56" dia** | Each | 4 | 10,819 | 43,278 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **638,230** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Toilet Block (6+6)**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **13** | | **Light Fitting Fixtures** | | | | |
| | **NS** | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| **a** | | Surface mounted flood light 50W , IP-65 rating, Lumens rating 4250, 85lm/W, Voltage 220-240V, Wide lighting angle : 110 degree, Color rendering index >80, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 6 | 12,000 | 72,000 |
| **b** | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 40 | 3,000 | 120,000 |
| **c** | | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 4 | 1,200 | 4,800 |
| **14** | | **Earthing System** | | | | |
| | **NS** | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| **15** | **NS** | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 7,500 | 1,125,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **1,341,800** |
| **TOTAL COST** | | | | | | **1,980,030** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 800 | 446 | 356,440 |
| **b** | **CH-24-4-vi** | 50mm dia | Meter | 50 | 640 | 32,013 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 600 | 120 | 71,910 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 300 | 173 | 51,900 |
| | **iv** | 7/0.036" (4mm²) | Meter | 300 | 240 | 71,880 |
| | **v** | 7/0.044" (6mm²) | Meter | 400 | 333 | 133,340 |
| | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | | 6mm2 | Meter | 700 | 984 | 688,905 |
| **4** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 4 | 878 | 3,512 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 14 | 1,396 | 19,543 |
| | **a-ix** | 20A double pole switch for AC | Each | 2 | 2,642 | 5,284 |
| **5** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 1 | 4,733 | 4,733 |
| **6** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 15 | 915 | 13,720 |
| **6** | | **Exhaust Fan** | | | | - |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/105-a-ii** | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 2 | 6,048 | 12,096 |

**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Distribution Board (Light& Power)** | | | | - |
| | CH-24-93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 850 x 650 x 200mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | - |
| | CH-24-89-iv | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 150 Amp TP 18kA | Each | 1 | 27,117 | 27,117 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 7 | 1,455 | 10,186 |
| | | 16 Amps SP 10KA | Each | 20 | 1,455 | 29,102 |
| | | 20 Amps SP 10KA | Each | 3 | 1,455 | 4,365 |
| | CH-24-88-c-iii | 32 Amps TP 10KA | Each | 3 | 8,511 | 25,532 |
| 8 | | **M.S Fan Hook** | | | | - |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 1 | 84 | 84 |
| 9 | | **Fan Dimmer** | | | | - |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 1 | 731 | 731 |
| 10 | | **Ceiling Fan** | | | | - |
| | CH-24/107-iii | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>**56" dia** | Each | 1 | 10,819 | 10,819 |
| 11 | | **Bracket Fan** | | | | |

**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 5 | 7,302 | 36,511 |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **12** | | **CAT-6** | | | | - |
| | **CH-24-113-a-i** | Supply, Installation & Connecting of 4 pairs UTP cable CAT-6, make 3M/Clipsal or approved equivalent. **Note:-** 3 meter cable extra provide on Camera and cabinets side. | Meter | 400 | 160 | 64,080 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,856,198** |

**Admin Block**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | NS | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 12 | 3,000 | 36,000 |
| b | NS | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 5 | 2,000 | 10,000 |
| c | NS | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 2 | 1,500 | 3,000 |
| d | NS | Inground light 6W, Light efficiency: > 80lm/W, power factor> 0.5, CRI> 70, IP rated IP67. round shaped. Complete in all respect. | Each | 11 | 1,000 | 11,000 |
| e | NS | Surface mounted flood light 50W , IP-65 rating, Lumens rating 4250, 85lm/W, Voltage 220-240V, Wide lighting angle : 110 degree, Color rendering index >80, power factor 0.9, Protection class IEC safety class I. Complete in all respect. | Each | 5 | 12,000 | 60,000 |
| 14 | | **FLOOR BOXES** | | | | |
| 15 | NS | Supply and installtion of floor boxes for 4 No of outgoings comprising of 2 light power sockets and 2 RJ-45/RJ-11. Complete in all respect. Make: Legrand, Schneider or equivalent | Set | 15 | 12,000 | 180,000 |
| 16 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 17 | NS | Analog Extention interface with CLI | Each | 9 | 15,000 | 135,000 |
| 18 | NS | Supply, installation testing and commissioning of 2 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 23000BTU/24000BTU, running current 2.3~10.2 A, heating capacity of 24500BTU/25000BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 400,000 | 400,000 |

**Admin Block**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 19a | NS | Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 300,000 | 300,000 |
| 19b | NS | Supply and installation of Floor Standing air conditioner 4 Ton and 3 Ton with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 2 | 790,000 | 1,580,000 |
| 19 | NS | Supply, installation, testing and commissioning of LCD screen of 75 inches 4K LED TV. Make: Sony, Samsung or equivalent | Each | 5 | 625,000 | 3,125,000 |
| 20 | NS | Supply and installation of 4 core 50mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 13,500 | 2,025,000 |
| 21 | | **Generator Set** | | | | |
| | NS | Supply, installation, testing & commissioning of Diesel generating set 100kVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 50mm² Cu cable for generator connections and Cu armored conductor control cables for complete connections of generator with ATS Panel and complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Set | 1 | 6,000,000 | 6,000,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **13,885,000** |
| **TOTAL COST** | | | | | | **15,741,198** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA CULTURAL BAZAR**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 100 | 446 | 44,555 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 25 | 357 | 8,919 |
| **2** | | **Single Core Cable** | | | | - |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | - |
| | | **Note: Following cables are for (P+N+CPE)** | | | | - |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 50 | 120 | 5,993 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 20 | 173 | 3,460 |
| | **iv** | 7/0.036" (4mm²) | Meter | 40 | 240 | 9,584 |
| | **v** | 7/0.044" (6mm²) | Meter | 35 | 333 | 11,667 |
| **3** | | **Switches** | | | | - |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | - |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 1 | 878 | 878 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 1 | 1,396 | 1,396 |
| **4** | | **Switch Sockets** | | | | - |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 3 | 745 | 2,234 |
| **5** | | **Distribution Board (Light& Power)** | | | | |

**CULTURAL BAZAR**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 01<br>a) 6" deep<br>i) 20-60A<br>Size: 300 x 300 x 150mm | Cft | 0.47 | 24,467 | 11,499 |
| **a** | | **DB SUVANIOUR SHOP** | | | | - |

**CULTURAL BAZAR**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **MCCB Breakers (Incoming)** | | | | - |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | - |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | - |
| | | 10 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| | | 16 Amps SP 10KA | Each | 2 | 1,455 | 2,910 |
| **6** | | **Single Phase Meter** | | | | |
| | **CH-24-79-a-ii** | Supply and erection of electric energy meter, including meter testing fee, etc. | Each | 1 | 5,937 | 5,937 |
| **7** | | **Bracket Fan** | | | | |
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 1 | 7,302 | 7,302 |
| | | **SCHEDULE ITEMS TOTAL COST** | | | | **133,718** |

**CULTURAL BAZAR**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Light Fitting Fixtures** | | | | |
| | | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | - |
| a | NS | LED decoractive light for wall mounted, 2 x 8 watts, 220/240 volts, 1200 Lumens Color Redering > 80, Power factor >0.9. Complete in all respect. | Each | 1 | 2,000 | 2,000 |
| b | NS | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 2 | 3,000 | 6,000 |
| 9 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 10 | NS | Supply and installation of 4 core 25mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 40 | 2,500 | 100,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **128,000** |
| **TOTAL COST** | | | | | | **261,718** |
| **TOTAL COST FOR 9 SHOPS IN CULTURAL BAZAR** | | | | | | **2,355,458** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA RESTURANT**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| 1 | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 800 | 446 | 356,440 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 100 | 357 | 35,675 |
| 2 | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 300 | 807 | 241,965 |
| 3 | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 800 | 120 | 95,880 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 600 | 173 | 103,800 |
| | **iv** | 7/0.036" (4mm²) | Meter | 500 | 240 | 119,800 |
| | **v** | 7/0.044" (6mm²) | Meter | 400 | 333 | 133,340 |
| 4 | | **Three Core Cable** | | | | |
| | **CH-24-14-b** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | **v** | 6mm2 | Meter | 300 | 984 | 295,245 |
| 5 | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 8 | 878 | 7,025 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 4 | 1,396 | 5,584 |
| 5 | | **Switch Sockets** | | | | |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 11 | 745 | 8,190 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 15 | 915 | 13,720 |
| 6 | | **Exhaust Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA RESTURANT**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/105-a-ii** | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 2 | 5,868 | 11,736 |
| **7** | **CH-24-79-ii** | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3 Phase Meter**<br>3x50 Amp, 400 volts | Each | 1 | 22,046 | 22,046 |
| **8** | | **Distribution Board** | | | | |
| | **CH-24/93-a-i** | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>QTY: 02<br>a) 6" deep<br>i) 20-60A<br>Size: 300 x 300 x 150mm | Cft | 2.51 | 24,467 | 61,411 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | **CH-24-89-a-iii** | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 100 Amp TP MCCB 18KA - Incoming | Each | 2 | 14,473 | 28,947 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | **CH-24-88-b-iii** | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 8 | 1,455 | 11,641 |
| | | 16 Amps SP 10KA | Each | 16 | 1,455 | 23,282 |
| | **CH-24-88-c-iii** | 32 Amps TP 10KA | Each | 7 | 8,511 | 59,575 |
| **9** | | **Bracket Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA RESTURANT**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-106-i** | Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.<br>18" sweep | Each | 12 | 7,302 | 87,625 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,722,926** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA RESTURANT**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 10 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Barn Pendant Light housed in alumimum body, Ceiling Light 220V, including bulb of 12 W, complete in all respect. | Each | 40 | 3,000 | 120,000 |
| b | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 5 | 3,000 | 15,000 |
| 11 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 13 | NS | Supply and installation of Floor Standing air conditioner 3.5 Ton with 10.58 BTU/h/W, 380/415V, 29000 BTU/h, 8.5KW, CFM (675-530), Air Flow: 1930, refrigent type: R32, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 2 | 600,000 | 1,200,000 |
| 14 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 200 | 3,000 | 600,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **1,955,000** |
| **TOTAL COST** | | | | | | **3,677,926** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Photographic DECK**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 1 | 24/14/a/iii | Twin core cable 7/0.74 mm (7/0.029") - 2.5mm² copper conductor, PVC insulated cable complete (excluding conduit), supply and fixing. | Meters | 25 | 394 | 9,853 |
| 2a | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 32-100 Amp(36 KA), supply and fixing | Each | 3 | 24,361 | 73,083 |
| 2b | 24/90ai | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 25-100 Amp(25 KA), supply and fixing | Each | 3 | 19,861 | 59,583 |
| 2d | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 125-400 Amp(25 KA), supply and fixing | Each | 1 | 56,461 | 56,461 |
| 3 | 24/13iv | Supply and erection of single core 16 mm sq (7/0.064") PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, laid in trenches complete with bricks, sand (excluding cost of excavation) supply and fixing. | Meters | 100 | 764 | 76,385 |
| 4 | | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | 24/73/a/ii | Single Arm 10 M | Each | 5 | 100,000 | 500,000 |
| b | 24/73/a/iii | Double Arm 10 M | Each | 1 | 110,000 | 110,000 |
| 5 | MRS | Foundation for 10 meter Pole | Each | 5 | 49,148 | 245,741 |
| 6 | 24/74cviii | Supplying, installation and commissioning of LED Cobra-head Luminaries of 150 Watt with 18000 lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (NVC/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating devicei/c thecost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge. | Each | 8 | 86,589 | 692,715 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Photographic DECK**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Rod Type Earthing** | | | | |
| | **CH-24-175** | Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing). | Job | 1 | 20,577 | 20,577 |
| 8 | | **3-Phase Meter** | | | | |
| | **CH-24-79-b-iii** | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3x80 Amp, 400 volts** | Each | - | 22,248 | - |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,844,398** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Photographic DECK**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Transformer Protection Box** | | | | |
| | NS | Supply, installation, testing and commissioning of wall mounted MCU of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Brass glands, Earth bar, Digital volt meter/Amp meter,Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)<br>IP-65 rating<br>Size: 1.5 ft x 1.5 ft | Each | 0 | 48,000 | - |
| 10 | | **LT Service Box** | | | | |
| | NS | Supply and installation of floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | Each | 0 | 275,000 | - |
| 11 | NS | Supply and erection of Four Core armoured XLPE insulated, PVC Sheathed Aluminum conductor cables 600/1000 volts, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- | | | | |
| f | | 1C x 95mm² | Meters | 100 | 500 | 50,000 |
| 12 | NS | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | | 3 meter Pole for external light | Each | 3 | 30,000 | 90,000 |
| 13 | NS | Upvc Class D with all fittings (i.e. sockets, bends, tees, elbows where required) and laid complete in trenches (excluding excavation) or fixed to wall, floor (surface or concealed) and ceiling etc., including caps and plugs as required 25mm dia, supply and fixing. | Meters | 25 | 650 | 16,250 |
| 14 | NS | Supply and installation of LED Post Top Light 60W, 8400 lumens, 120° beam angle, CRI >70, power factor: >0.9, 140lm/w, IP-66 rated. Complete in all respect. | Each | 3 | 40,000 | 120,000 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Photographic DECK**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| NON- SCHEDULE ITEMS TOTAL COST | | | | | | 276,250 |
| TOTAL COST | | | | | | 2,120,648 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Painting Spots**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 1 | 24/14/a/iii | Twin core cable 7/0.74 mm (7/0.029") - 2.5mm² copper conductor, PVC insulated cable complete (excluding conduit), supply and fixing. | Meters | 25 | 394 | 9,853 |
| 2a | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 32-100 Amp(36 KA), supply and fixing | Each | 3 | 24,361 | 73,083 |
| 2b | 24/90ai | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 25-100 Amp(25 KA), supply and fixing | Each | 3 | 19,861 | 59,583 |
| 2d | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 125-400 Amp(25 KA), supply and fixing | Each | 1 | 56,461 | 56,461 |
| 3 | 24/13iv | Supply and erection of single core 16 mm sq (7/0.064") PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, laid in trenches complete with bricks, sand (excluding cost of excavation) supply and fixing. | Meters | 100 | 764 | 76,385 |
| 4 | | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | 24/73/a/ii | Single Arm 10 M | Each | 5 | 100,000 | 500,000 |
| b | 24/73/a/iii | Double Arm 10 M | Each | 1 | 110,000 | 110,000 |
| 5 | MRS | Foundation for 10 meter Pole | Each | 5 | 49,148 | 245,741 |
| 6 | 24/74cviii | Supplying, installation and commissioning of LED Cobra-head Luminaries of 150 Watt with 18000 lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (NVC/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating devicei/c thecost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge. | Each | 8 | 86,589 | 692,715 |
| 7 | | **Rod Type Earthing** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Painting Spots**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-175** | Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing). | Job | 1 | 20,577 | 20,577 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Painting Spots**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **8** | | **3-Phase Meter** | | | | |
| | **CH-24-79-b-iii** | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3x80 Amp, 400 volts** | Each | - | 22,248 | - |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,844,398** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Painting Spots**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Transformer Protection Box** | | | | |
| | NS | Supply, installation, testing and commissioning of wall mounted MCU of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Brass glands, Earth bar, Digital volt meter/Amp meter,Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)<br>IP-65 rating<br>Size: 1.5 ft x 1.5 ft | Each | 0 | 48,000 | - |
| 10 | | **LT Service Box** | | | | |
| | NS | Supply and installation of floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | Each | 0 | 275,000 | - |
| 11 | NS | Supply and erection of Four Core armoured XLPE insulated, PVC Sheathed Aluminum conductor cables 600/1000 volts, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- | | | | |
| f | | 1C x 95mm² | Meters | 100 | 500 | 50,000 |
| 12 | NS | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | | 3 meter Pole for external light | Each | 3 | 30,000 | 90,000 |
| 13 | NS | Upvc Class D with all fittings (i.e. sockets, bends, tees, elbows where required) and laid complete in trenches (excluding excavation) or fixed to wall, floor (surface or concealed) and ceiling etc., including caps and plugs as required 25mm dia, supply and fixing. | Meters | 25 | 650 | 16,250 |
| 14 | NS | Supply and installation of LED Post Top Light 60W, 8400 lumens, 120° beam angle, CRI >70, power factor: >0.9, 140lm/w, IP-66 rated. Complete in all respect. | Each | 3 | 40,000 | 120,000 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Painting Spots**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| NON- SCHEDULE ITEMS TOTAL COST | | | | | | 276,250 |
| TOTAL COST | | | | | | 2,120,648 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA BOATING DECK**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 1 | 24/14/a/iii | Twin core cable 7/0.74 mm (7/0.029") - 2.5mm² copper conductor, PVC insulated cable complete (excluding conduit), supply and fixing. | Meters | 25 | 394 | 9,853 |
| 2a | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 32-100 Amp(36 KA), supply and fixing | Each | 3 | 24,361 | 73,083 |
| 2b | 24/90ai | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 25-100 Amp(25 KA), supply and fixing | Each | 3 | 19,861 | 59,583 |
| 2d | 24/90aiii | Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 125-400 Amp(25 KA), supply and fixing | Each | 1 | 56,461 | 56,461 |
| 3 | 24/13iv | Supply and erection of single core 16 mm sq (7/0.064") PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, laid in trenches complete with bricks, sand (excluding cost of excavation) supply and fixing. | Meters | 100 | 764 | 76,385 |
| 4 | | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | 24/73/a/ii | Single Arm 10 M | Each | 5 | 100,000 | 500,000 |
| b | 24/73/a/iii | Double Arm 10 M | Each | 1 | 110,000 | 110,000 |
| 5 | MRS | Foundation for 10 meter Pole | Each | 5 | 49,148 | 245,741 |
| 6 | 24/74cviii | Supplying, installation and commissioning of LED Cobra-head Luminaries of 150 Watt with 18000 lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (NVC/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating devicei/c thecost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge. | Each | 8 | 86,589 | 692,715 |
| 7 | | **Rod Type Earthing** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA BOATING DECK**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-175** | Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts,spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing). | Job | 1 | 20,577 | 20,577 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA BOATING DECK**

**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **8** | | **3-Phase Meter** | | | | |
| | **CH-24-79-b-iii** | Supply and erection of electric energy meter, including meter testing fee, etc.<br>**3x80 Amp, 400 volts** | Each | - | 22,248 | - |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,844,398** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA BOATING DECK**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 9 | | **Transformer Protection Box** | | | | |
| | NS | Supply, installation, testing and commissioning of wall mounted MCU of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Brass glands, Earth bar, Digital volt meter/Amp meter,Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)<br>IP-65 rating<br>Size: 1.5 ft x 1.5 ft | Each | 0 | 48,000 | - |
| 10 | | **LT Service Box** | | | | |
| | NS | Supply and installation of floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of capacitor trip unit over current, Lock, Indication lights, Brass glands, Netural & Earth bar, Digital volt meter/ Amp meter, Slector switchs, Current Transformers, Controles, Channels, Copper bus bars of specified capacity ,Door Earthing, complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | Each | 0 | 275,000 | - |
| 11 | NS | Supply and erection of Four Core armoured XLPE insulated, PVC Sheathed Aluminum conductor cables 600/1000 volts, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- | | | | |
| f | | 1C x 95mm² | Meters | 100 | 500 | 50,000 |
| 12 | NS | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. | | | | |
| a | | 3 meter Pole for external light | Each | 3 | 30,000 | 90,000 |
| 13 | NS | Upvc Class D with all fittings (i.e. sockets, bends, tees, elbows where required) and laid complete in trenches (excluding excavation) or fixed to wall, floor (surface or concealed) and ceiling etc., including caps and plugs as required 25mm dia, supply and fixing. | Meters | 25 | 650 | 16,250 |
| 14 | NS | Supply and installation of LED Post Top Light 60W, 8400 lumens, 120° beam angle, CRI >70, power factor: >0.9, 140lm/w, IP-66 rated. Complete in all respect. | Each | 3 | 40,000 | 120,000 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**BOATING DECK**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | MRS Ref No. | Description | Units | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| NON- SCHEDULE ITEMS TOTAL COST | | | | | | 276,250 |
| TOTAL COST | | | | | | 2,120,648 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 200 | 446 | 89,110 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 150 | 120 | 17,978 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 50 | 173 | 8,650 |
| | **iv** | 7/0.036" (4mm²) | Meter | 100 | 240 | 23,960 |
| | **v** | 7/0.044" (6mm²) | Meter | 60 | 333 | 20,001 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| a | | 6mm2 | Meter | 375 | 984 | 369,056 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 2 | 878 | 1,756 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 4 | 1,396 | 5,584 |
| | **a-ix** | 20A double pole switch for AC | Each | 1 | 2,642 | 2,642 |
| **6** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 1 | 4,733 | 4,733 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Switch Sockets** | | | | |
| | CH-24/108-a-iv | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 3 | 745 | 2,234 |
| | CH-24/108-a-viii | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 5 | 915 | 4,573 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 1 | 6,048 | 6,048 |
| 9 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm<br>Qty: 01 No | Cft | 3.60 | 24,467 | 88,080 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| | | 16 Amps SP 10KA | Each | 7 | 1,455 | 10,186 |
| | | 20 Amps SP 10KA | Each | 2 | 1,455 | 1,455 |
| 10 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 1 | 84 | 84 |
| 11 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 1 | 731 | 731 |
| 12 | | **Ceiling Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. **56" dia** | Each | 1 | 10,819 | 10,819 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **828,249** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 5 | 3,000 | 15,000 |
| b | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 2 | 1,500 | 3,000 |
| c | | LED decoractive light for wall mounted, 2 x 8 watts, 220/240 volts, 1200 Lumens Color Redering > 80, Power factor >0.9. Complete in all respect. | Each | 3 | 1,200 | 3,600 |
| d | | Inground light 6W, Light efficiency: > 80lm/W, power factor> 0.5, CRI> 70, IP rated IP67. round shaped. Complete in all respect. | Each | 10 | 1,200 | 12,000 |
| 13 | | **Earthing System** | | | | |
| | NS | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 14 | | **Air Conditioner** | | | | |
| | NS | Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 1 | 300,000 | 300,000 |
| 15 | NS | Supply and installation of 4 core 25mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 2,500 | 375,000 |
| 16 | | **Diesel Generator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | NS | Supply, installation, testing & commissioning of Diesel generating set 15KVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 35mm² Al cable for generator connections and Cu armored conductor control cables for complete connections. Complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Each | 1 | 1,500,000 | 1,500,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **2,228,600** |
| **TOTAL COST** | | | | | | **3,056,849** |
| **TOTAL COST OF THREE NUMBER** | | | | | | **9,170,546** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 400 | 446 | 178,220 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 300 | 120 | 35,955 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 100 | 173 | 17,300 |
| | **iv** | 7/0.036" (4mm²) | Meter | 200 | 240 | 47,920 |
| | **v** | 7/0.044" (6mm²) | Meter | 120 | 333 | 40,002 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b-v** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| a | | 6mm2 | Meter | 450 | 984 | 442,868 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal or equivalent | Each | 2 | 878 | 1,756 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 6 | 1,396 | 8,376 |
| | **a-ix** | 20A double pole switch for AC | Each | 4 | 2,642 | 10,568 |
| **6** | | **Isolator** | | | | |
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 2 | 4,733 | 9,466 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 7 | | **Switch Sockets** | | | | |
| | CH-24/108-a-iv | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 12 | 745 | 8,935 |
| | CH-24/108-a-viii | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 9 | 915 | 8,232 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 8 | | **Exhaust Fan** | | | | |
| | CH-24/105-a-ii | Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (Plastic body) | | | | |
| | | 12" dia | Each | 5 | 6,048 | 30,241 |
| 9 | | **Main Distribution Board** | | | | |
| | CH-24/93-a-i | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls, brass cable glands, crimped cable lugs, main and connection bus bars current density shall not be less than 1000Amp/Sq. inch. Complete in all respect as approved and directed by the Engineer In charge (Breakers will be Paid Separately).<br>All material shall be manufactured by any of the WAPDA approved M2 category manufacturers, which are direct OEM Authorized Channel Partners of MCCBs/MCBs Circuit breaker brands (SCHNEIDER/SIEMEN/ABB) i.e. Tariq Electric, Siemens, Schneider or equivalent. Shop Drawings shall be submitted to consultant for final approval before initialization of the fabrication process.<br>Size: 850 x 650 x 200 mm<br>Qty: 01 No | Cft | 3.60 | 24,467 | 88,080 |
| | | **MCCB Breakers (Incoming)** | | | | |
| | CH-24-89-a-iii | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 32 Amp TP MCCB 18KA - Incoming | Each | 1 | 14,473 | 14,473 |
| | | **MCB Breakers (Outgoing)** | | | | |
| | CH-24-88-b-iii | Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge. | | | | |
| | | 10 Amps SP 10KA | Each | 5 | 1,455 | 7,276 |
| | | 16 Amps SP 10KA | Each | 16 | 1,455 | 23,282 |
| | | 20 Amps SP 10KA | Each | 6 | 1,455 | 1,455 |
| 10 | | **M.S Fan Hook** | | | | |
| | CH-24-54 | Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab. | Each | 4 | 84 | 338 |
| 11 | | **Fan Dimmer** | | | | |
| | CH-24/108-vi | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge | Each | 4 | 731 | 2,923 |
| 12 | | **Ceiling Fan** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24/107-iii** | Providing and fixing Copper winded ceiling fan made of Pak/Younas/G.F.C or NEECA approved equivalent i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge. **56" dia** | Each | 4 | 10,819 | 43,278 |
| **SCHEDULE ITEMS TOTAL COST** | | | | | | **1,159,761** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| 13 | | **Light Fitting Fixtures** | | | | |
| | NS | Supply , installation, connecting and testing of lighting fixtures surface/Ceiling mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders, Light, Earthing terminals and internal wiring,conector, including hangers brackets & necessary hardware such as screws, anchors, etc. complete in all respect approved type and to entire satisfaction of Consultants/Client. Manufactured by manufacturers i.e. Phillips, Thorn, NVC or equivalent | | | | |
| a | | Surface/Ceiling mounted Wide Batten Light 36 watts, 220/240 volts, rectangular shaped, Color Redering > 80. (L x W x H): 1200 x 118 x 40mm Complete in all respects. | Each | 13 | 3,000 | 39,000 |
| b | | LED Down light, 12 watts, 220/240 volts, 85 Lm/W, 1020 Lumens Color Redering > 80, Power factor 0.5. Complete in all respect. | Each | 4 | 1,500 | 6,000 |
| c | | Vanity/Mirror light fitting with light 7-8 watt, 700 lumens, Color Redering > 70, Power factor >0.5. Complete in all respects. | Each | 2 | 1,200 | 2,400 |
| 13 | | **Earthing System** | | | | |
| | | Rod Type Earth bore for DBs upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings, including 2 inch dia GI perforated pipe up to slush below ground and connected to 3/4 inch dia 10 ft. long and 70mm stranded bare Cu conductor. Earthing set complete with accessories like earth test link bar, nuts, bolts and earth connection strips, including cost of welding and other civil works complete in all respect. To achieve Earthing value of less than 5 Ohms as per Drawings/ Data approval by Consultant/ Client. The payment shall be made as per actual work done. | Job | 1 | 20,000 | 20,000 |
| 14 | | **Air Conditioner** | | | | |
| | NS | Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume ($m^3/h$): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent | Each | 4 | 300,000 | 1,200,000 |
| 15 | NS | Supply and installation of 4 core 35mm² AL/XPLE/SWA/PVC - Armoured Cable for service connection. | Meter | 150 | 3,000 | 450,000 |
| 16 | | **Diesel Generator** | | | | |
| | NS | Supply, installation, testing & commissioning of Diesel generating set 15KVA (Prime rating) at 50 °C, 415 Volts three phase four wire, 50 Hz complete including Sound Proof Canopy, Anti-Vibration pad, Auxiliary & Control Cables, Control panel, Earthing sets, including ATS panel, including four core armored XLPE 35mm² Al cable for generator connections and Cu armored conductor control cables for complete connections. Complete in all respects as per consultants approval. The engine manufacturers are to be Perkins UK, Volvo, Caterpillar or equivalent and alternator manufacturers are to be Stamford UK and Leroy-Somer UK Series or as approved by the consultant. | Each | 1 | 1,500,000 | 1,500,000 |
| **NON-SCHEDULE ITEMS TOTAL COST** | | | | | | **3,217,400** |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**Eco-lodges - 2 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| TOTAL COST | | | | | | 4,377,161 |
| TOTAL COST OF TWO NUMBER | | | | | | 8,754,322 |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**GLAMPING PODS - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | | **INTERNAL ELECTRCAL WORKS** | | | | |
| **1** | | **Pvc Pipe** | | | | |
| | | Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent | | | | |
| | **CH-24-3-iii** | 25 mm dia | Meter | 250 | 446 | 111,388 |
| **b** | **CH-24-4-iv** | Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent<br>32 mm dia | Meter | 50 | 357 | 17,838 |
| **2** | | **uPVC Pipe** | | | | |
| | **CH-23-27-a** | Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with `D' 2 and valves is not included in the Class working pressure complete in all respects: - rate, which is payable separately.<br>a) 2" i/d (50 mm) | Meter | 150 | 807 | 120,983 |
| **3** | | **Single Core Cable** | | | | |
| | **CH-24-11** | Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| | | **Note: Following cables are for (P+N+CPE)** | | | | |
| | **i** | 3/0.74mm" (3/0.029") - (1.5mm²) | Meter | 125 | 120 | 14,981 |
| | **iii** | 7/0.74 mm (7/0.029") - (2.5mm²) | Meter | 50 | 173 | 8,650 |
| | **iv** | 7/0.036" (4mm²) | Meter | 70 | 240 | 16,772 |
| | **v** | 7/0.044" (6mm²) | Meter | 60 | 333 | 20,001 |
| **4** | | **Three Core Cable** | | | | |
| | **CH-24-14-b** | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)<br>Make Pakistan Cables, Newage Cables, Allied Cables or equivalent | | | | |
| **a** | **v** | 6mm2 | Meter | 250 | 984 | 246,038 |
| **5** | | **Switches** | | | | |
| | **CH-24/108** | Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect | | | | |
| | **a-iii** | 3 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 2 | 878 | 1,756 |
| | **b-iii** | 6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent | Each | 3 | 1,396 | 4,188 |
| **5** | | **Switch Sockets** | | | | |
| | **CH-24/108-a-iv** | 3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent | Each | 2 | 745 | 1,489 |
| | **CH-24/108-a-viii** | 3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent | Each | 7 | 915 | 6,403 |
| **6** | | **Isolator** | | | | |

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHASHMA**
**GLAMPING PODS - 1 BED**
**MRS, 1st BI-ANNUAL-2025 (01.06.2025 to 30.06.2025) DISTRICT MIANWALI**

| Sr. No. | Ref. No. | Description of Items | Unit | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|
| | **CH-24-112-ii** | Providing and fixing of Isolators indoor/Outdoor Type, in polycarbonate enclosure(Legrand/ ABB/ Schneider or approved equivalent with Phase, neutral and earth terminal strips, cable glands, lugs including all mounting accessories as per specification. complete in all respect.<br>16A SPN Isolator Indoor/Outdoor type. | Each | 1 | 4,733 | 4,733 |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT WETLANDS IN PUNJAB (Uchali Lake)

### Complete Fire Fighting and Fire Protection Works

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 8,440,000 | |
| | **Grand.Total** | **8,440,000** | **8,440,000** |

## SUMMARY OF COST

## MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT WETLANDS IN PUNJAB (Uchali Lake)

### Solar Facility

**MRS, 1st BI-ANNUAL-2025 (01.01.2025 to 30.06.2025) Kushab**

| Sr.No | Description | Amount (Rs). | Amount (Rs). |
|---|---|---|---|
| 1 | CIVIL WORK | 10,000,000 | |
| | **Grand.Total** | **10,000,000** | **10,000,000** |

Annexure31 - Detailed BOQs

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| **1. Parking** | | | | | |
| 1 | Parking Barriers for Entrance | High Speed entry and exit parking barriers with network connectivity | 4 | 225,000 | 900,000 |
| 1 | AI Powered Camera | AI Powered LPR (License Plate Recognition Camera) | 4 | 525,000 | 2,100,000 |
| 1 | POS Terminal | All in one POS terminals | 4 | 675,000 | 2,700,000 |
| 1 | POS Printer | High Speed Network Powered POS Printers | 4 | 120,000 | 480,000 |
| 1 | Bar/Qr code scanner | Handheld barcode / qrcode scanner | 4 | 120,000 | 480,000 |
| 1 | CCTV Camera | IP Camera | 10 | 150,000 | 1,500,000 |
| 1 | PTZ Camera | IP PTZ Camera | 2 | 525,000 | 1,050,000 |
| 1 | Environmental Monitoring | CO2 sensors | 3 | 75,000 | 225,000 |
| 1 | Network Infrastructure | Fibre Optic Cable | 1 | 450,000 | 450,000 |
| 1 | Layer 3 Switch | Layer 3 SFP+ Uplink Switch Non POE 12/16 Port 2 SFP+ | 2 | 300,000 | 600,000 |
| 1 | Layer 3 SFP+ Uplink Switch POE | | 1 | 375,000 | 375,000 |
| | **Subtotal** | | | | **9,960,000** |
| **2. Information Centre** | | | | | |
| 2 | POS Terminal | POS Terminal all in one | 5 | 675,000 | 3,375,000 |
| 2 | POS Printer | High speed thermal printer with network / ethernet connectivity | 5 | 120,000 | 600,000 |
| 2 | Wristband Printer | Wristband Ticket Thermal Printer with network connectivity and SDK support | 5 | 225,000 | 1,125,000 |
| 2 | Ticket Material | Thermal Paper and Wearable and Returnable Wristband | 1 | 375,000 | 375,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 2 | Self Ticketing Counter | Self Service Ticketing Counter (McDonald's Style) with payment device integration | 1 | 1,350,000 | 1,350,000 |
| 2 | Flapping Barrier | Multi lane flapping barrier with qr / barcode reader | 6 | 825,000 | 4,950,000 |
| 2 | AI Powered Camera | People Counting AI Camera with complete analytics | 4 | 375,000 | 1,500,000 |
| 2 | LED TV | 65 inches LED TV | 4 | 750,000 | 3,000,000 |
| 2 | Information Kiosk | Information touch based kiosk 55 inches with stand | 2 | 975,000 | 1,950,000 |
| 2 | Large SMD | Large SMD 8 x 10 feet | 1 | 5,250,000 | 5,250,000 |
| 2 | Immersive Sound System | Immersive sound system for information centre | 1 | 750,000 | 750,000 |
| 2 | PA System | PA System throughout the park | 1 | 3,000,000 | 3,000,000 |
| 2 | Environmental Sensors | Indoor Temperature and Climatic Sensors | 2 | 150,000 | 300,000 |
| 2 | IP Camera | IP Camera | 10 | 150,000 | 1,500,000 |
| 2 | 24 Port Ethernet Switches | 25 Port Ethernet Switches | 2 | 300,000 | 600,000 |
| 2 | Cabling Infrastructure | Cabling Infrastructure | 1 | 375,000 | 375,000 |
| 2 | 24 Port POE Switche | 25 Port POE Switche | 1 | 375,000 | 375,000 |
| 2 | Access Point (AP) for Public in Information center | Access Point (AP) for Public in Information center | 2 | 127,500 | 255,000 |
| | **Subtotal** | | | | **30,630,000** |
| **3. Restaurant** | | | | | |
| 3 | Network Infrastructure | Switching infrastructure, IP Phones and Cabling | 1 | 750,000 | 750,000 |
| 3 | Wireless Access Point | Long range Wi-Fi Access point with grouping | 1 | 450,000 | 450,000 |
| | **Subtotal** | | | | **1,200,000** |
| **4. Cultural Bazar** | | | | | |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 4 | Wireless Access Point | Long range Wi-Fi Access point with grouping | 1 | 450,000 | 450,000 |
| | Sound System | Integrated Sound System with 6 Outdoor Loudspeakers, Mixers and Amplifier | 1 | 5,850,000 | 5,850,000 |
| | **Subtotal** | | | | **6,300,000** |
| | | **5. Security and Surveillance** | | | |
| 5 | IP cameras Throughout the Facility | IP Cameras throughout the Facility | 15 | 75,000 | 1,125,000 |
| 5 | Network Video recorder | Network Video Recorder | 1 | 240,000 | 240,000 |
| | **Subtotal** | | | | **1,365,000** |
| | | **6. Datacentre** | | | |
| 6 | Internet Connectivity | Enterprise dedicated Internet Connectivity Infrastructure | 1 | 1,500,000 | 1,500,000 |
| 6 | Firewall and Network Security Infrastructure | Advanced Network Security Management Infrastructure | 1 | 1,800,000 | 1,800,000 |
| 6 | Core Switches | Primary High-Performance Network Distribution System (Core Switches Infrastructure) | 1 | 2,250,000 | 2,250,000 |
| 6 | Application Server | High performance application rack server | 1 | 4,950,000 | 4,950,000 |
| 6 | HA Server | High Availability (HA) Server | 1 | 4,950,000 | 4,950,000 |
| 6 | NAS Storage | Enterprise Data Backup and Recovery Infrastructure | 1 | 840,000 | 840,000 |
| 6 | Workstation PC | Workstation PC for Control room and Datcenter | 2 | 900,000 | 1,800,000 |
| 6 | Rack and Stack | Datacenter Rack & Stack, Networking, Power Management and Backup System | 1 | 2,700,000 | 2,700,000 |
| 6 | E-Ticketing Application | Enterprise application for visitor E-Ticketing and E-Parking system | 1 | 1,500,000 | 1,500,000 |
| 6 | Backup and Retention System | Enterprise Backup and Recovery Software Solutions | 1 | 750,000 | 750,000 |

| Sr No. | Item | Description of Items | Quantity | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 6 | Data Center Application Software | Server Virtualization and IT Stack monitoring and Alerting system | 1 | 3,000,000 | 3,000,000 |
| 6 | BI Analytics and Dashboards | BI, Analytics AI powered dashboard for visitor footfall analysis | 1 | 1,125,000 | 1,125,000 |
| | **Subtotal** | | | | **27,165,000** |
| | | **7. Ecolodges and Pods** | | | |
| 7 | Network Infrastructure | Switching infrastructure, IP Phones, Wi-Fi access Point and Cabling | 10 | 375,000 | 3,750,000 |
| 7 | Radio Connectivity with the Ecolodges Section | Pont to Point Gigabit Radio (Pair) | 1 | 1,500,000 | 1,500,000 |
| | **Subtotal** | | | | **5,250,000** |
| | | **8. Stargazing Tower** | | | |
| 8 | Smart Telescope | Outdoor Smart Telescope | 1 | 4,950,000 | 4,950,000 |
| 8 | Astrograph Telescope | Astrograph Glass lens astronomical telescope | 1 | 8,550,000 | 8,550,000 |
| | **Subtotal** | | | | **13,500,000** |
| | | **9. Biodiversity Monitoring** | | | |
| 9 | Weather Station | Weather Monitoring System | 1 | 300,000 | 300,000 |
| 9 | Smart Trail | Smart trail long range camera | 3 | 375,000 | 1,125,000 |
| 9 | Bio Acoustic Sensors | Bioacoutic Sensors | 3 | 750,000 | 2,250,000 |
| 9 | AI Algorithmic Software for Species recognition | AI species recognition software | 1 | 750,000 | 750,000 |
| 9 | Water Quality monitoring System | pH, Salinity, Dissolved Oxygen etc | 2 | 150,000 | 300,000 |
| | **Subtotal** | | | | **4,725,000** |
| | | 10. Network Connectivity Backbone | | | |
| 10 | Park's interconnectivity network and infrastructure backbone. | IT cabling infrastructure with LoraWAN interconnectivity | 1 | 3,750,000 | 3,750,000 |
| | | | | | |
| | **Total** | | | | **103,845,000** |

# ARCHITECTURAL

# WORKING DRAWINGS
# FOR PC-1

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

## LIST OF DRAWINGS

| Drawings Name | Drawing no. | Remarks |
|---|---|---|
| LIST OF DRAWINGS | AR-0001 | |
| LIST OF DRAWINGS | AR-0002 | |
| MAIN GATE PLAN | AR-0101 | |
| MAIN GATE ELEVATION | AR-0102 | |
| INFORMATION CENTER PLAN | AR-0201 | |
| INFORMATION CENTER FRONT ELEAVTION | AR-0202 | |
| RESEARCH CENTER GROUND FLOOR PLAN | AR-0301 | |
| RESEARCH CENTER FRONT ELEVATION | AR-0302 | |
| RESIDENTIAL FACILITY GROUND FLOOR PLAN | AR-0401 | |
| RESIDENTIAL FACILITY FRONT ELEVATION | AR-0402 | |
| SOLAR PARK PLAN | AR-0501 | |
| SOLAR PANEL ELEVATION | AR-0502 | |
| BOTANICAL GREEN HOUSE GROUND FLOOR PLAN | AR-0601 | |
| BOTANICAL GREEN HOUSE PLAN AT BRIDGE | AR-0602 | |
| BOTANICAL GREEN HOUSE ROOF PLAN | AR-0603 | |
| BOTANICAL GREEN HOUSE ELEVATION | AR-0604 | |
| FLOOR MOUNTED FOUNTAINS PLAN | AR-0701 | |
| TUCK SHOPS PLAN | AR-0701 | |
| TUCK SHOPS ELEVATION | AR-0802 | |
| REST ROOMS (3+3) PLAN | AR-0901 | |

## LIST OF DRAWINGS

| Drawings Name | Drawing no. | Remarks |
|---|---|---|
| REST ROOMS (3+3) ELEVATION | AR-0902 | |
| MINI VILLAGE PLAN | AR-1001 | |
| MINI VILLAGE ELEVATION | AR-1002 | |
| RESTAURANT PLAN | AR-1101 | |
| RESTAURANT ELEVATION | AR-1102 | |
| REST ROOMS (6+6) PLAN | AR-1201 | |
| REST ROOMS (6+6) ELEVATION | AR-1202 | |
| MINI ZOO PLAN | AR-1301 | |
| MINI ZOO FENCE ELEVATION | AR-1302 | |
| HERITAGE WALK PLAN | AR-1401 | |
| HERITAGE WALK ELEVATION | AR-1402 | |
| AMPHITHEATER LOWER GROUND FLOOR PLAN | AR-1501 | |
| AMPHITHEATER UPPER GROUND FLOOR PLAN | AR-1502 | |
| AMPHITHEATER TOP FLOOR PLAN | AR-1503 | |
| AMPHITHEATER ELEVATION | AR-1504 | |
| ANIMAL ENCLOSURE PLAN | AR-1601 | |
| ANIMAL ENCLOSURE FENCE ELEVATION | AR-1602 | |
| MAIN GATE SAFARI PLAN | AR-1701 | |
| MAIN GATE SAFARI ELEVATION | AR-1702 | |
| | | |

**CLIENT:**

PUNJAB WILDLIFE & PARK DEPARTMENT

GOVERNMENT OF THE PUNJAB

**CONSULTANTS:**

ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

**PROJECT:**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

| | | |
|---|---|---|
| DRAWN BY: | MUDASSAR HUSSAIN | |
| DESIGNED BY: | MIR SHEHREYAR | |
| CHECKED BY: | ZEESHAN ALI | |
| APPROVED BY: | | |
| DATE: | NOVEMBER, 2024 | |

**DRAWING TITLE:**

**LIST OF DRAWING**

**DRAWING NO:** **AR- 0001**

**SCALE:**

**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

## LIST OF DRAWINGS

| Drawings Name | Drawing no. | Remarks |
|---|---|---|
| TICKTING BOOTH PLANS | AR-1801 | |
| TICKTING BOOTH ELEVATIONS | AR-1802 | |
| TRAMP STATION PLAN | AR-1901 | |
| TRAMP STATION ELEVATIONS | AR-1902 | |
| JEEP PARKING PLAN | AR-2001 | |
| JEEP PARKING ELEVATION | AR-2002 | |
| JUNGLE SAFARI MINI GATE PLAN | AR-2101 | |
| JUNGLE SAFARI MINI GATE ELEVATION | AR-2102 | |
| WATCH TOWER GROUND FLOOR PLAN | AR-2201 | |
| WATCH TOWER FIRST & SECOND FLOOR PLAN | AR-2202 | |
| WATCH TOWER ELEVATION | AR-2203 | |
| JUNGLE SAFARI CAFE PLAN | AR-2301 | |
| JUNGLE SAFARI CAFE ELEVATION | AR-2302 | |
| BRIDGE PLAN & ELEVATION | AR-2401 | |
| BRIDGE STRUCTURE DETAIL | AR-2402 | |
| SITTING AREA PLAN | AR-2501 | |
| MEDICAL CENTER GROUND FLOOR PLAN | AR-2601 | |
| MEDICAL CENTER FRONT ELEVATION | AR-2602 | |
| ECO-TOURISM GATE PLAN | AR-2701 | |
| ECO-TOURISM GATE ELEVATION | AR-2702 | |

## LIST OF DRAWINGS

| Drawings Name | Drawing no. | Remarks |
|---|---|---|
| CAR PARKING FOR EVE PLAN | AR-2801 | |
| CORPORATE MEETING HALL PLAN | AR-2901 | |
| CORPORATE MEETING HALL ELEVATION | AR-2902 | |
| FLOATING RESTURANT GROUND FLOOR PLAN | AR-3001 | |
| FLOATING RESTURANT ROOF PLAN | AR-3002 | |
| FLOATING RESTURANT ELEVATIONS | AR-3003 | |
| ECO-LODGE SINGLE BED PLAN | AR-3101 | |
| ECO-LODGE SINGLE BED ELEVATION | AR-3102 | |
| ECO-LODGE DOUBLE BED PLAN | AR-3201 | |
| ECO-LODGE DOUBLE BED ELEVATION | AR-3202 | |
| ECO TOURISM CLUB GROUND FLOOR PLAN | AR-3301 | |
| ECO TOURISM CLUB ELEVATION | AR-3302 | |
| GLAMPING POD PLAN | AR-3401 | |
| GLAMPING POD ELEVATION | AR-3402 | |
| GLAMPING POD DOUBLE BED PLAN | AR -3501 | |
| GLAMPING POD DOUBLE BED ELEVATION | AR-3502 | |
| ADMIN BLOCK PLAN | AR- 3601 | |
| ADMIN BLOCK ELEVATION | AR- 3602 | |
| | | |
| | | |

**CLIENT:**

PUNJAB WILDLIFE & PARK DEPARTMENT

GOVERNMENT OF THE PUNJAB

**CONSULTANTS:**

ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

**PROJECT:**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

| | | |
|---|---|---|
| DRAWN BY: | MUDASSAR HUSSAIN | |
| DESIGNED BY: | MIR SHEHREYAR | |
| CHECKED BY: | ZEESHAN ALI | |
| APPROVED BY: | | |
| DATE: | NOVEMBER, 2024 | |

**DRAWING TITLE:**

**LIST OF DRAWING**

**DRAWING NO:** **AR- 0002**

**SCALE:**

**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

MAIN GATE

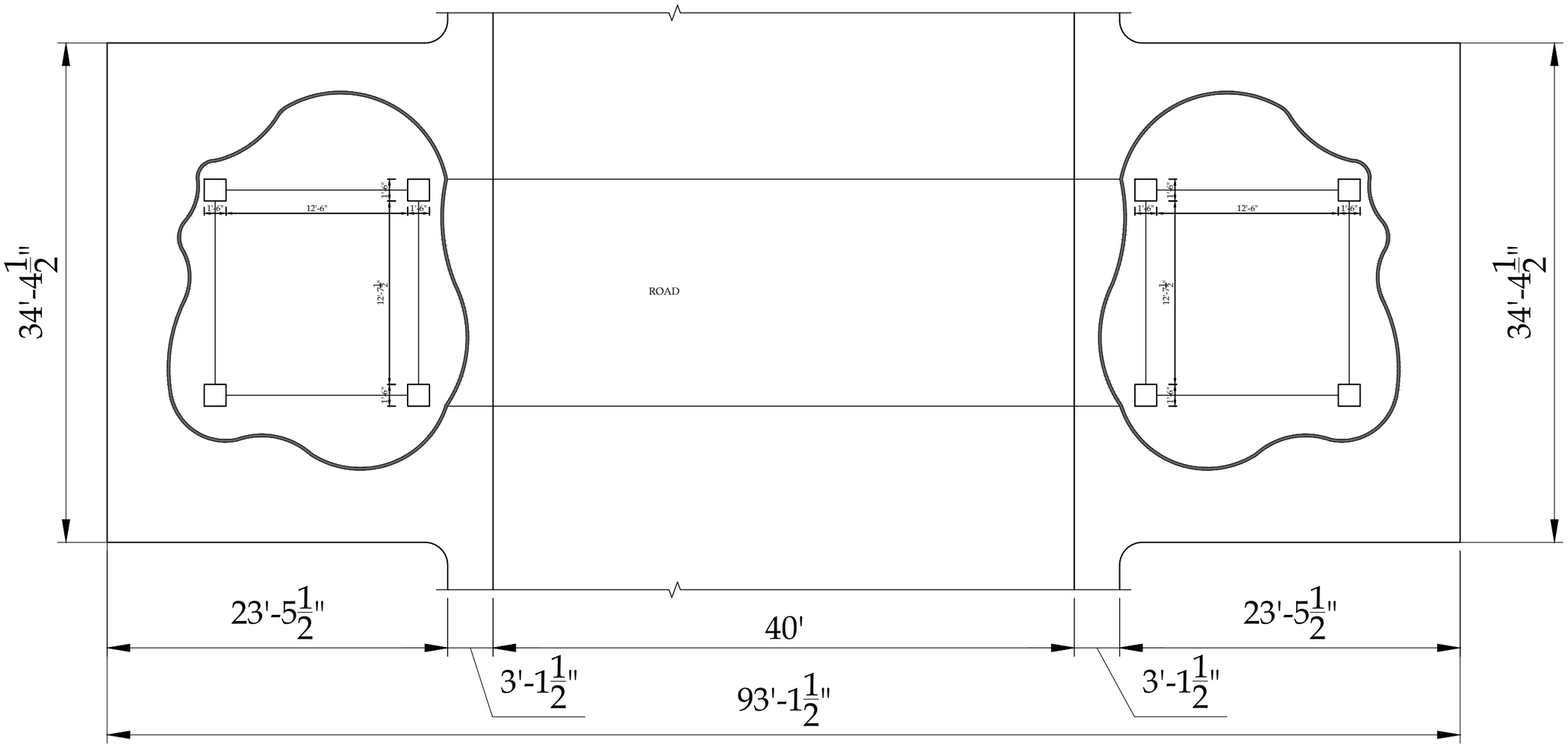
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

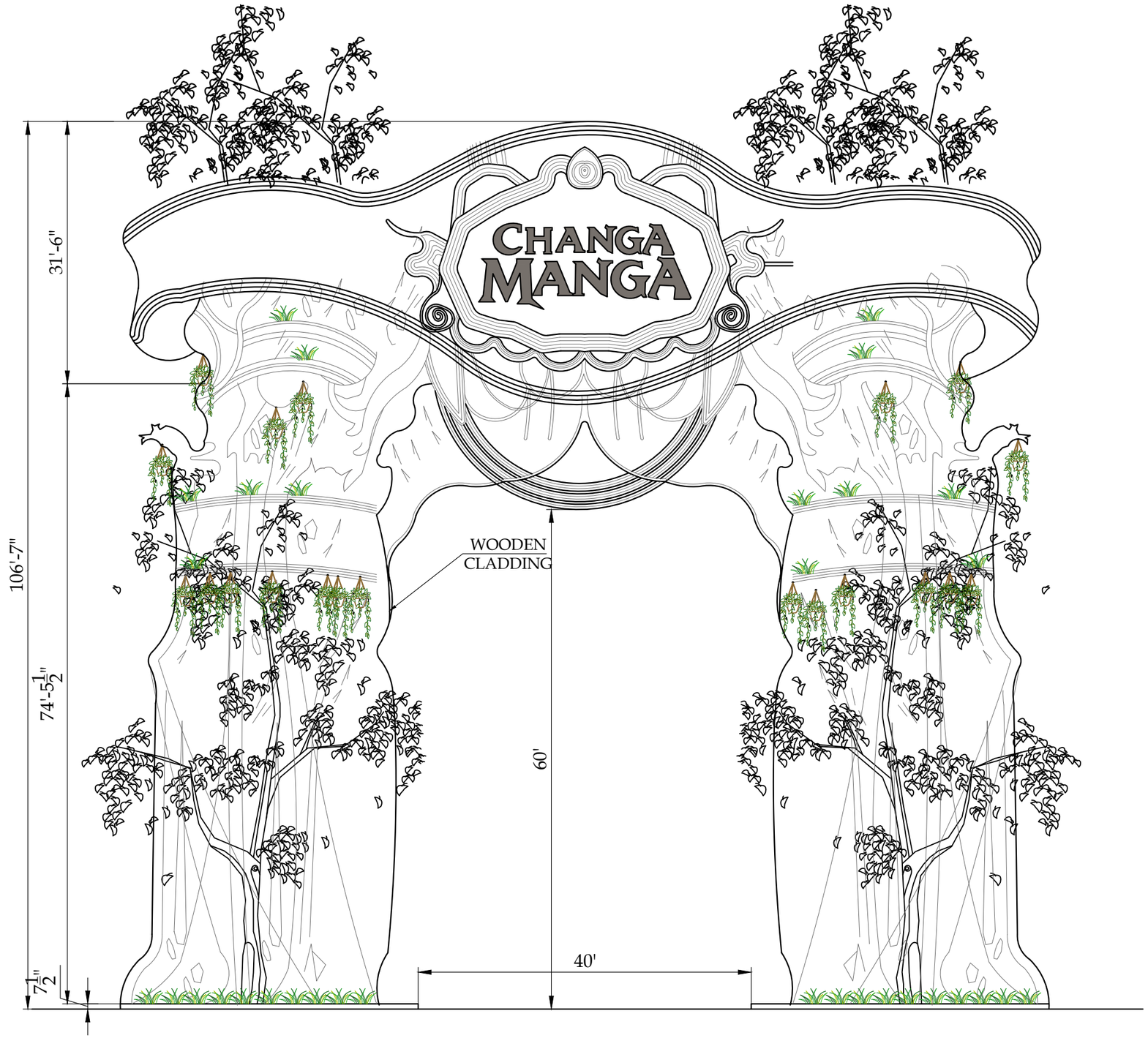
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# MAIN GATE PLAN

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** GATE PLAN | **DRAWING NO:** AR-0101 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |




MAIN GATE ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN<br>DESIGNED BY: MIR SHEHREYAR<br>CHECKED BY: ZEESHAN ALI<br>APPROVED BY:<br>DATE: NOVEMBER, 2024 | | ELEVATION | AR-0102<br>SCALE:<br>SHEET: A3 | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

INFORMATION CENTER

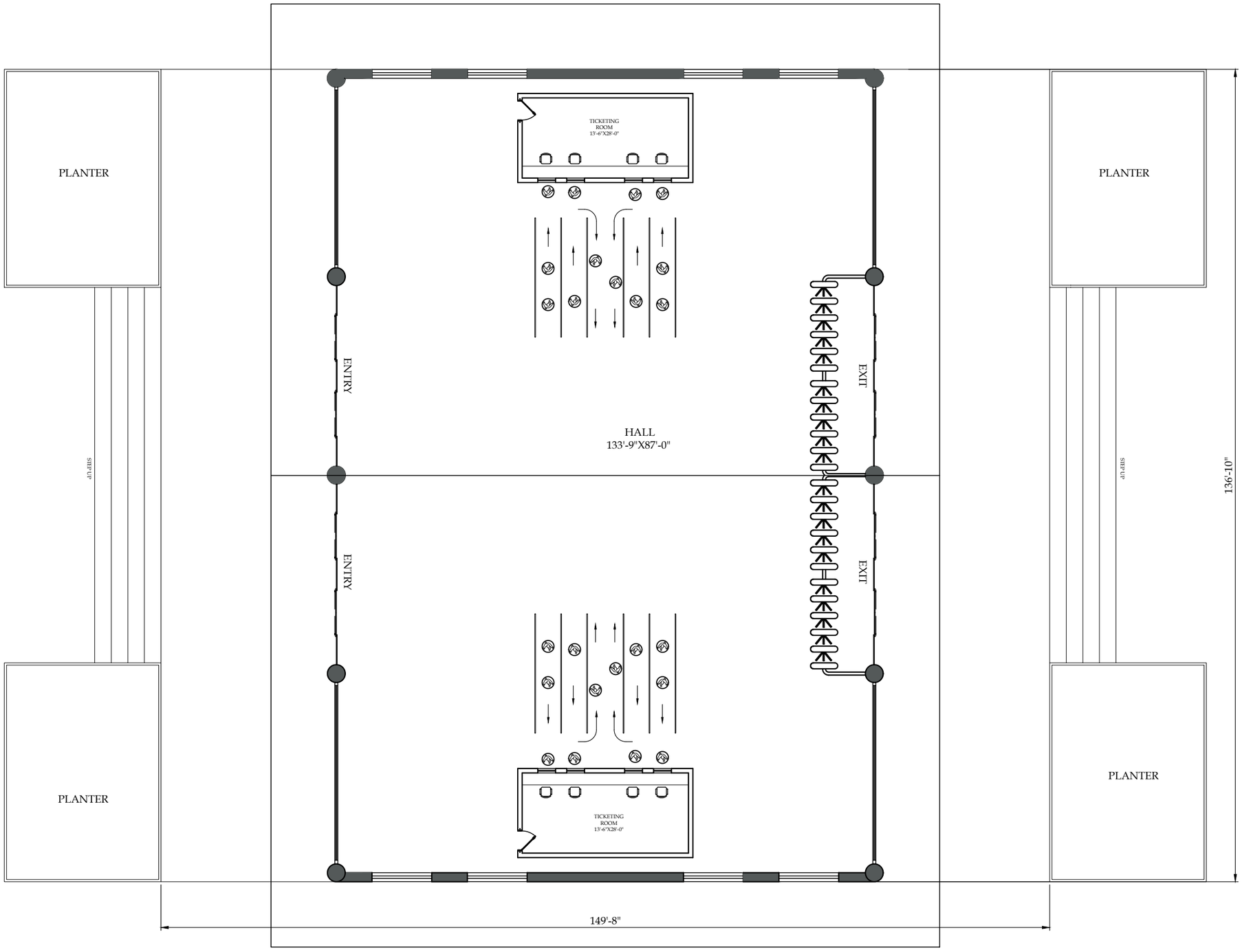
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

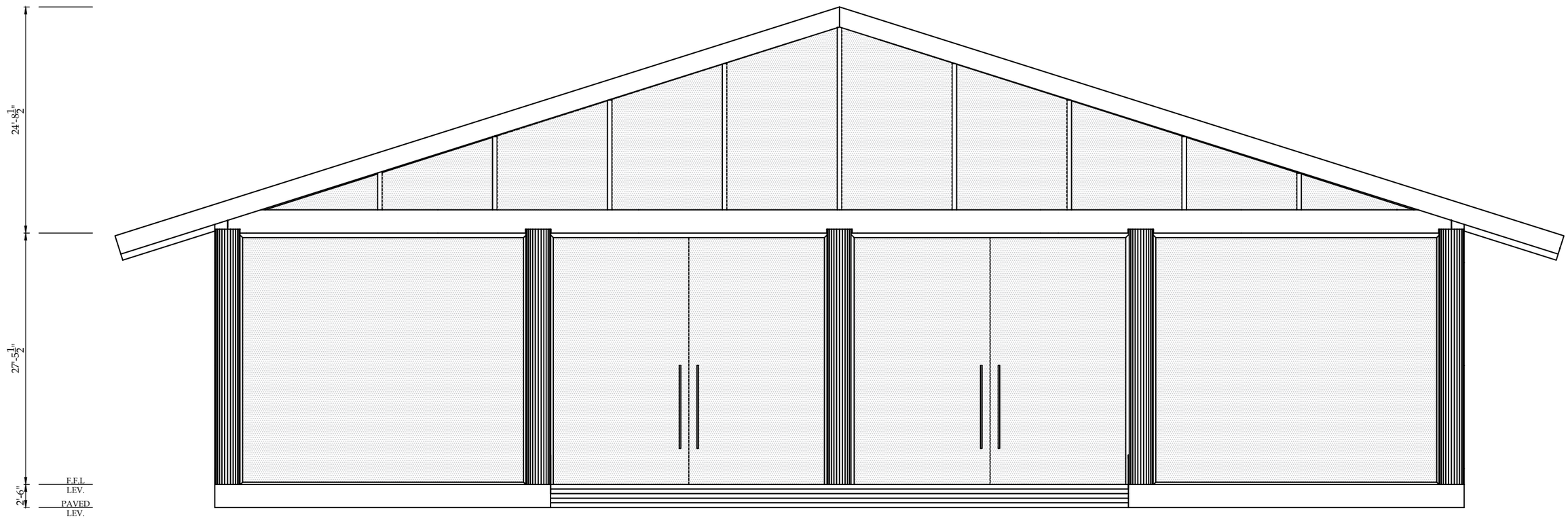
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




INFORMATION CENTER
G.F PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | MAIN PLAN | AR- 0201 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# INFORMATION CENTER
## FRONT ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | FRONT ELEVATION | AR- 0202 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

RESEARCH CENTER

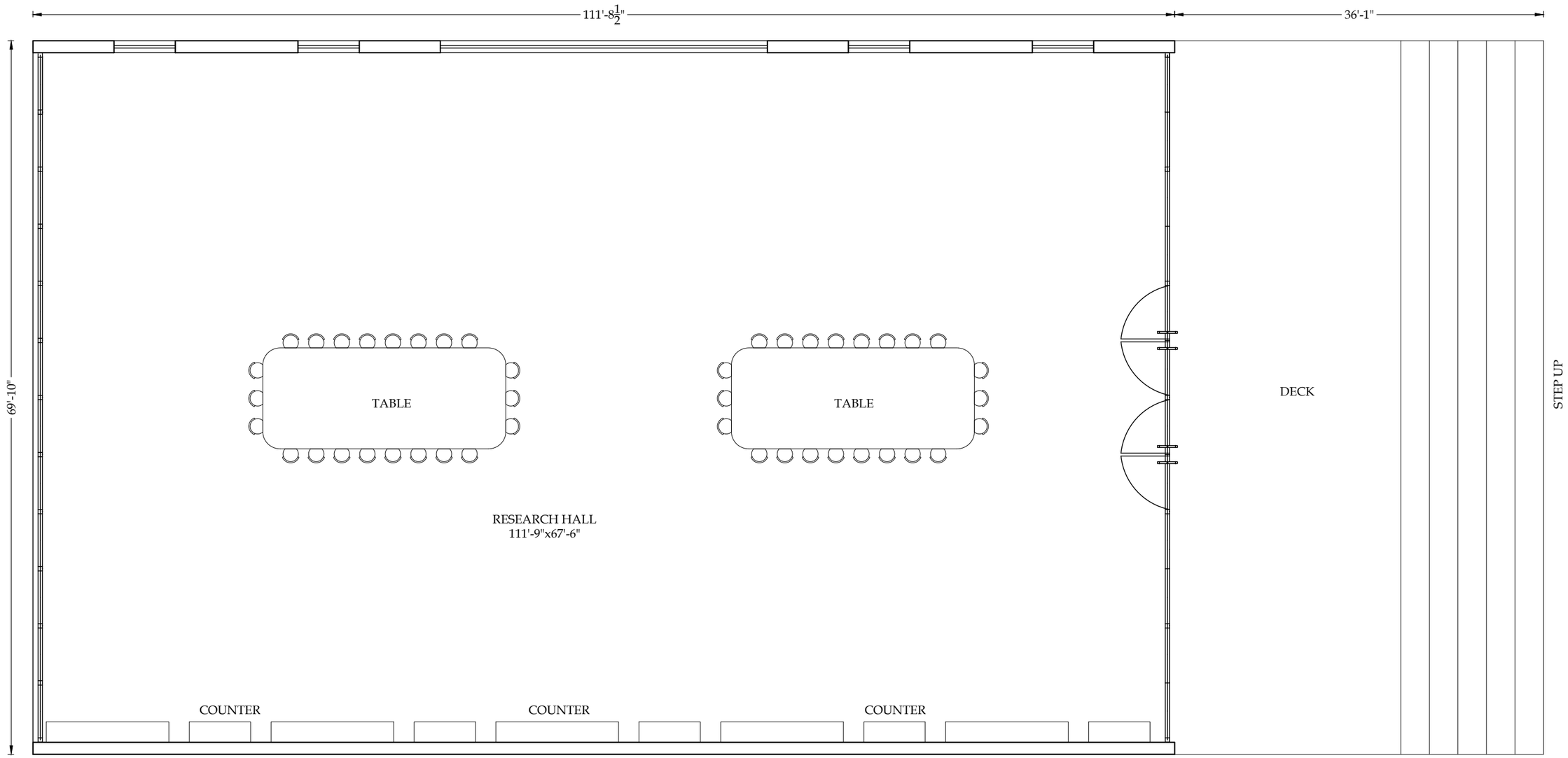
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

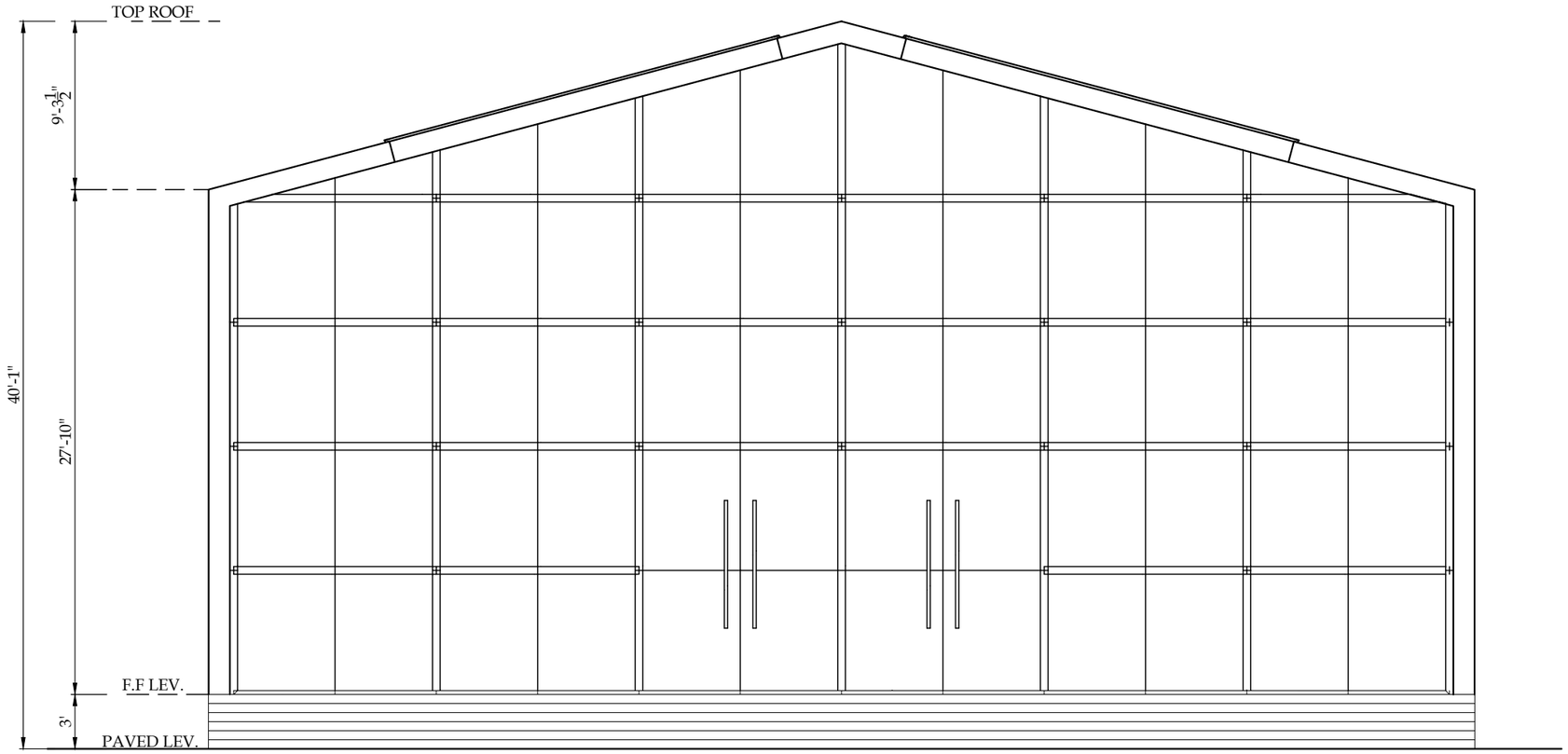
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# GROUND FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | | GROUND FLOOR PLAN | AR- 0301 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |




# FRONT ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | FRONT ELEVATION | AR- 0302 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

RESIDENTIAL FACILITY

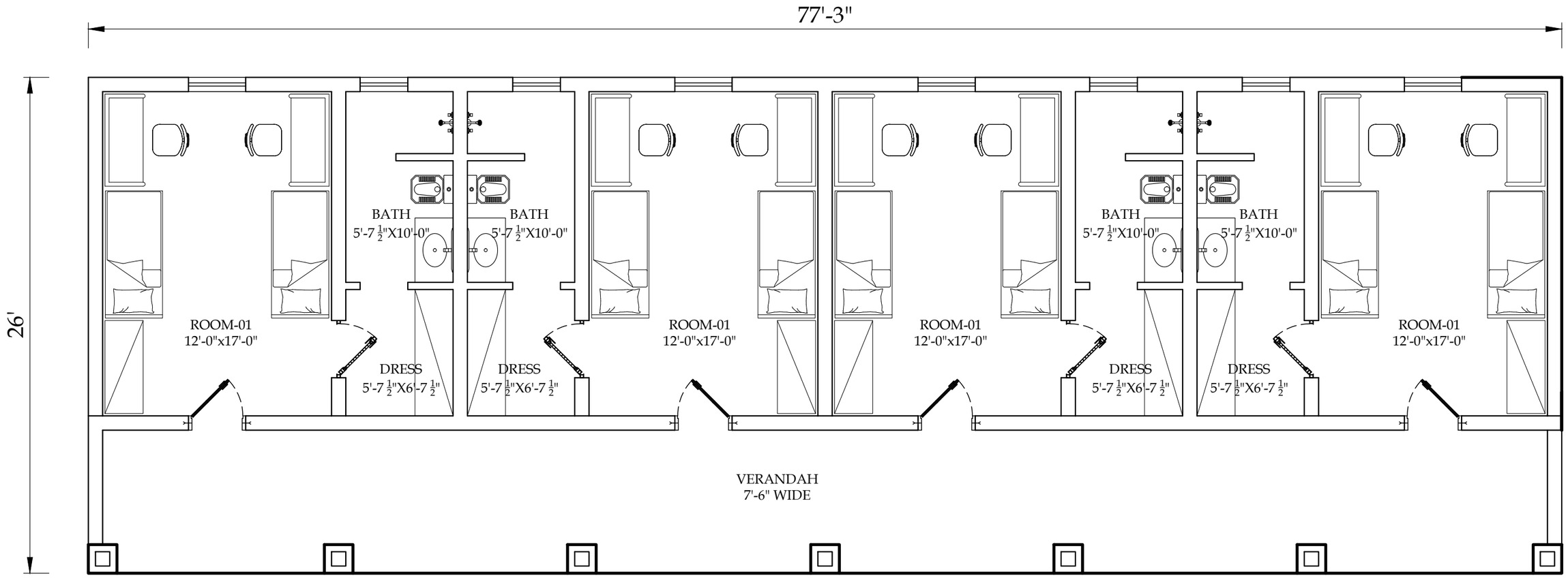
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

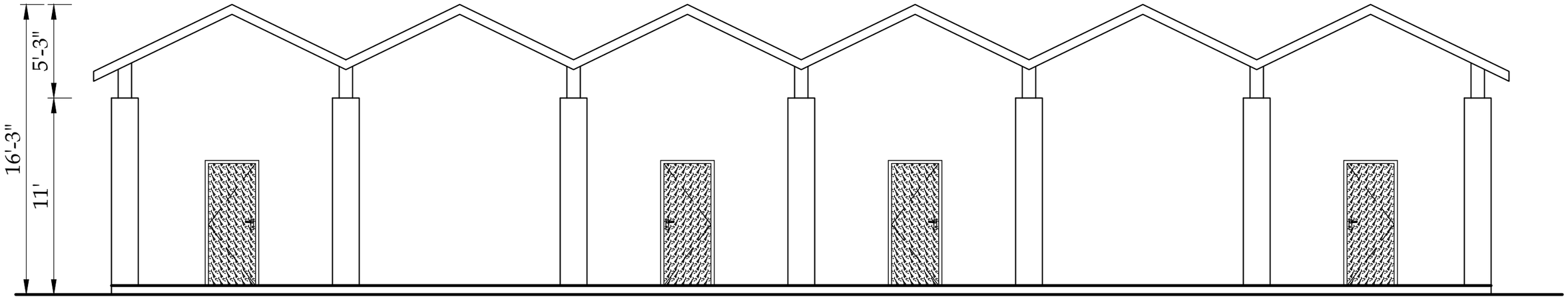
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# GROUND FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: MUDASSAR HUSSAIN<br>DESIGNED BY: MIR SHEHREYAR<br>CHECKED BY: ZEESHAN ALI<br>APPROVED BY:<br>DATE: NOVEMBER, 2024 | | GROUND FLOOR PLAN | AR-0401<br>SCALE:<br>SHEET: A3 | | | | |




# FRONT ELEVATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** FRONT ELEVATION | **DRAWING NO:** AR-0402 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

SOLAR PARK

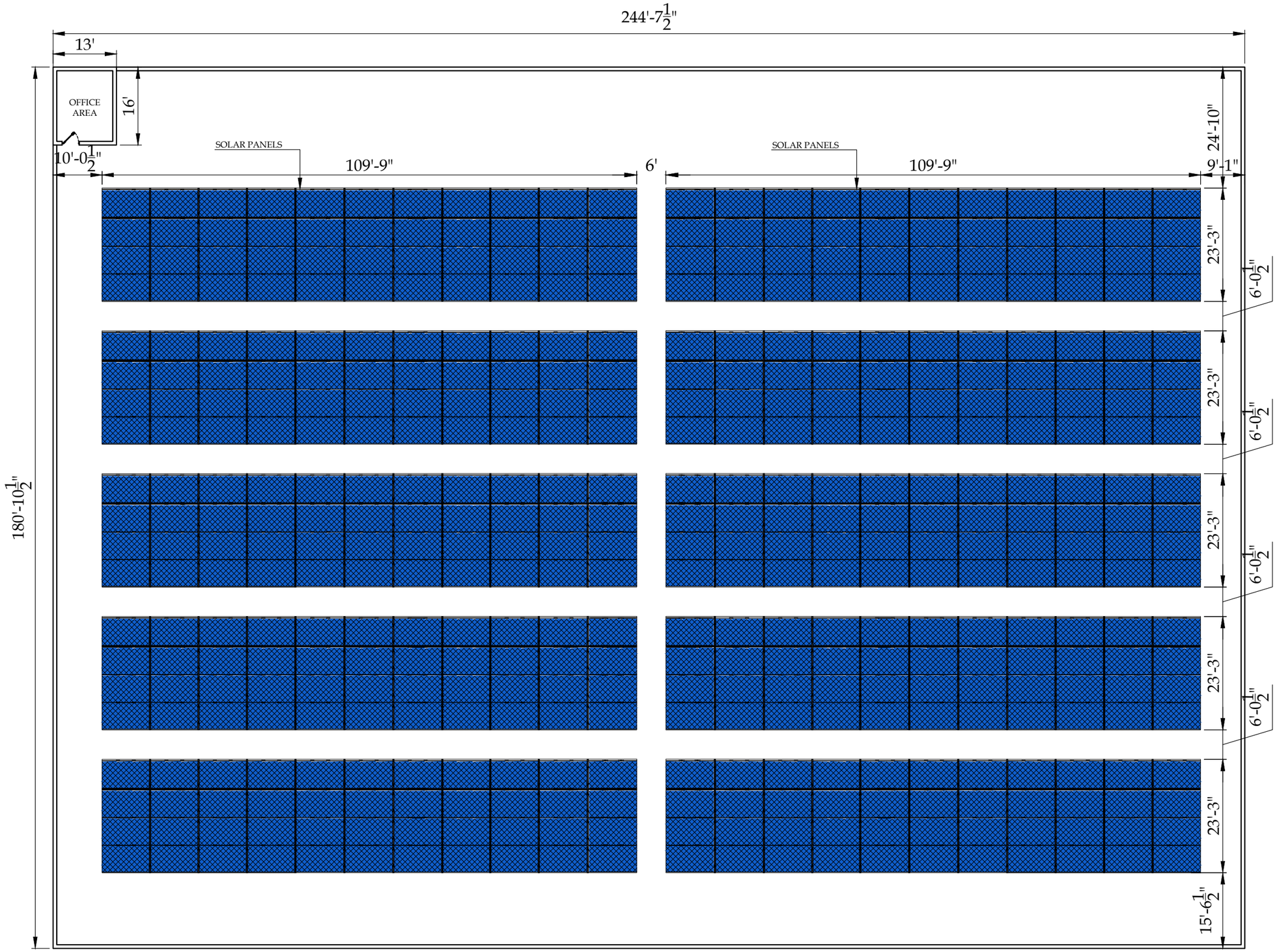
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

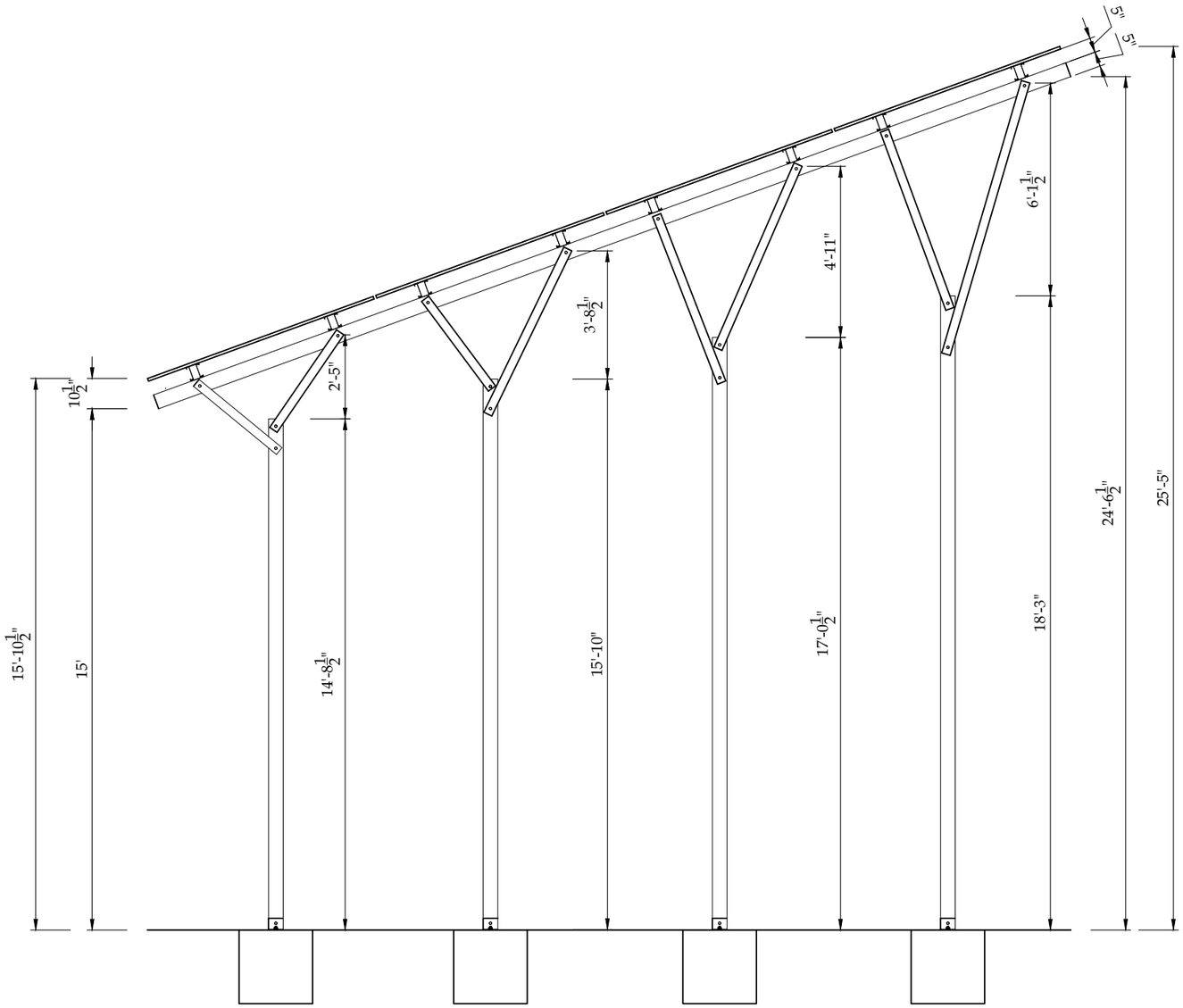
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# SOLAR PARK PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | | SOLAR PARK PLAN | AR-0501 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |




# SOLAR PANEL ELEVATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** SOLAR PANEL ELEVATION | **DRAWING NO:** AR-0502 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

BOTANICAL GREEN HOUSE

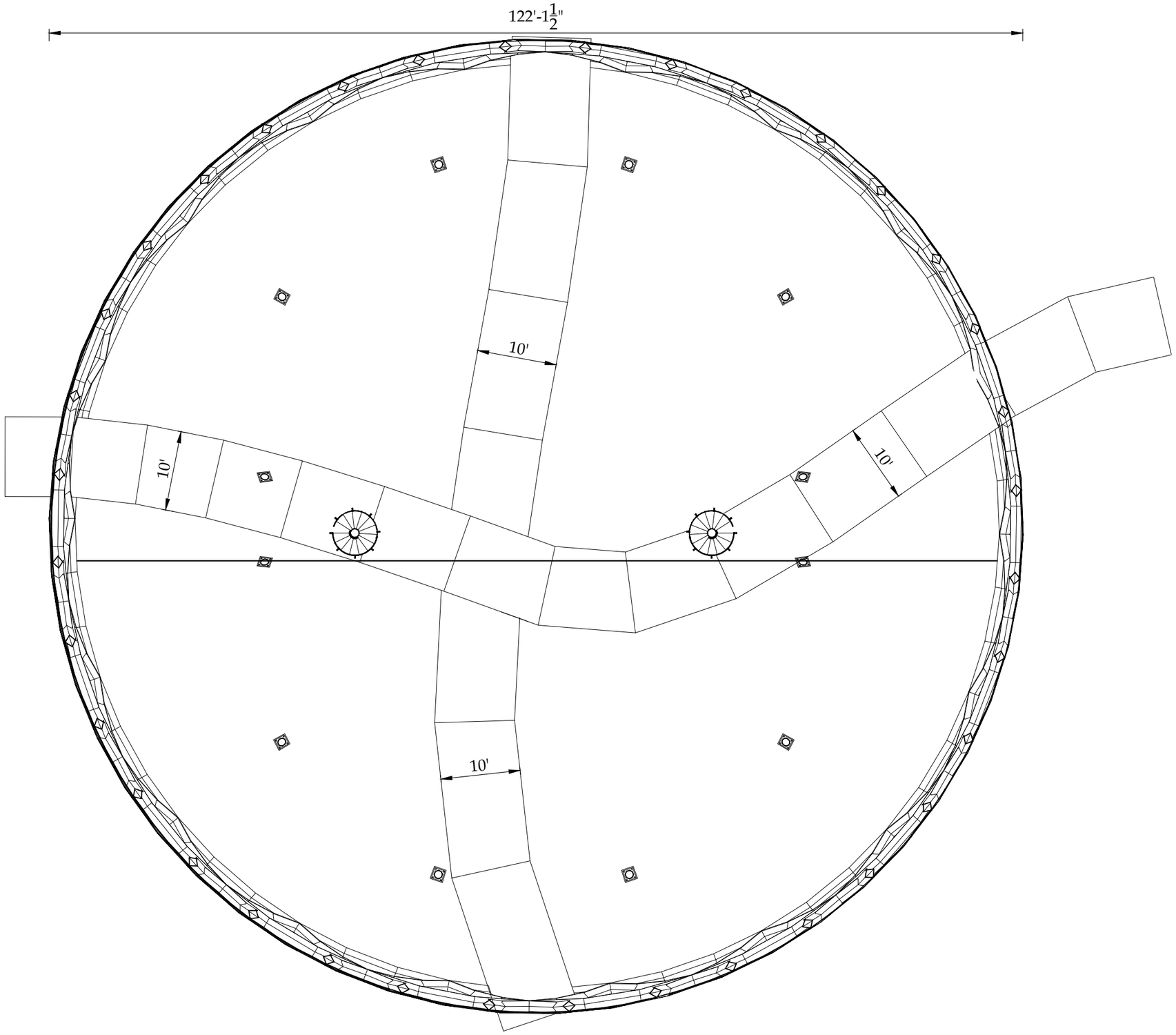
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

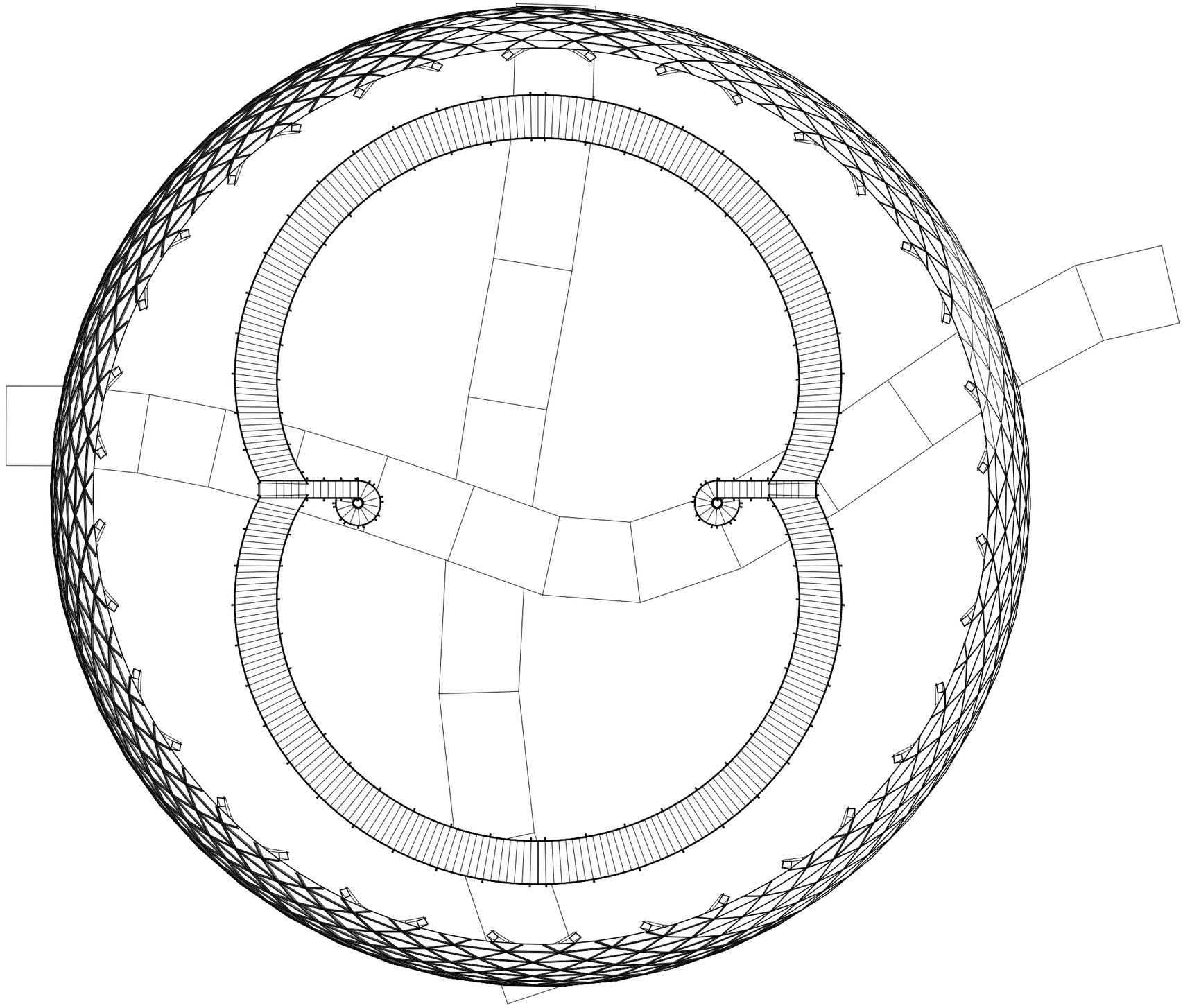
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



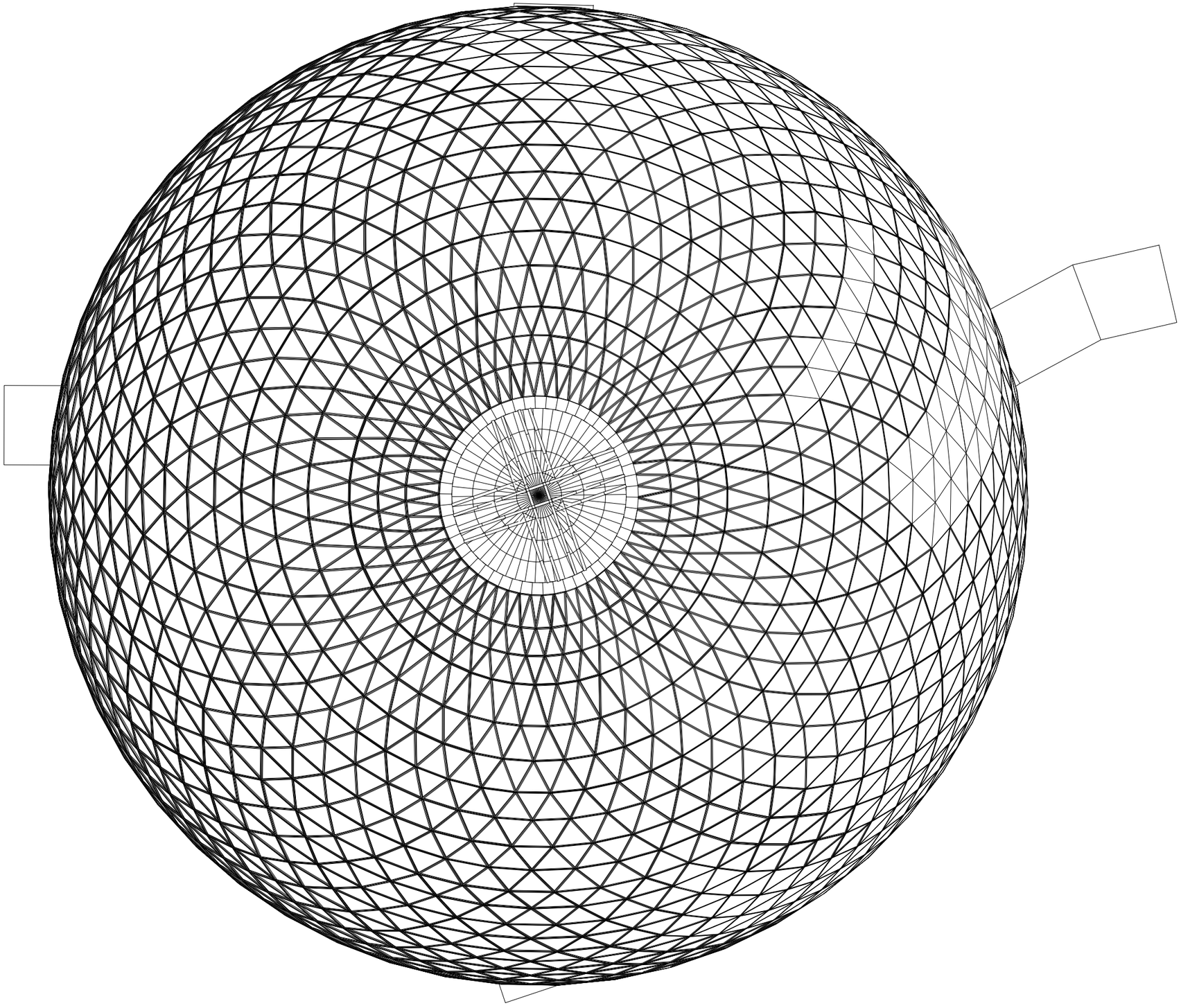

GROUND FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | GROUND FLOOR PLAN | AR- 0601 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |



PLAN AT BRIDGE

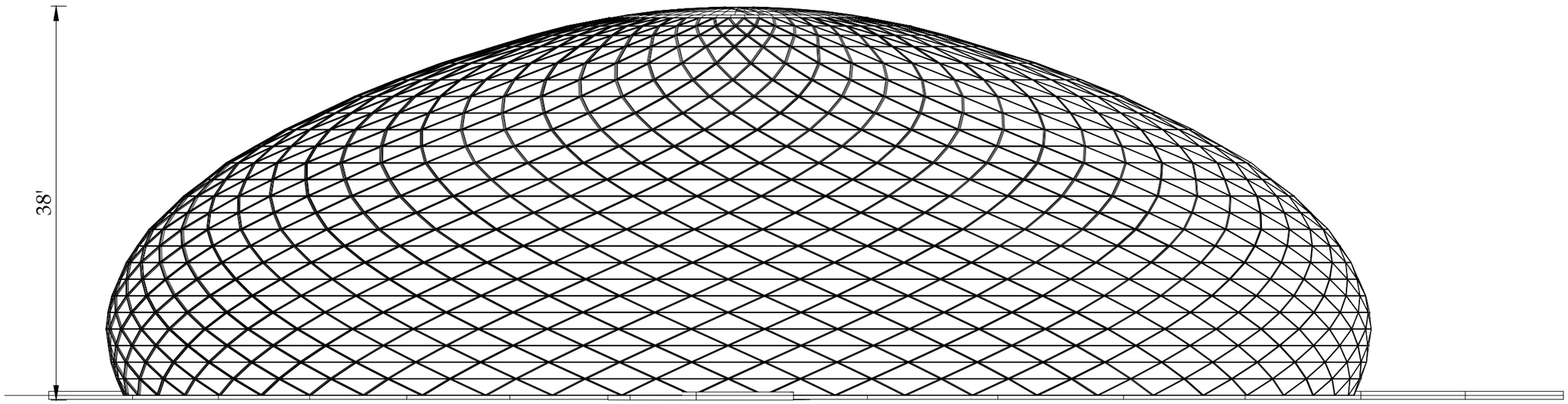
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** PLAN AT BRIDGE | **DRAWING NO:** AR-0602 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |



ROOF PLAN

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** ROOF PLAN | **DRAWING NO:** AR-0603 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |

ROOF PLAN




ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | | ELEVATION | AR-0602 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

## FLOOR MOUNTED FOUNTAINS

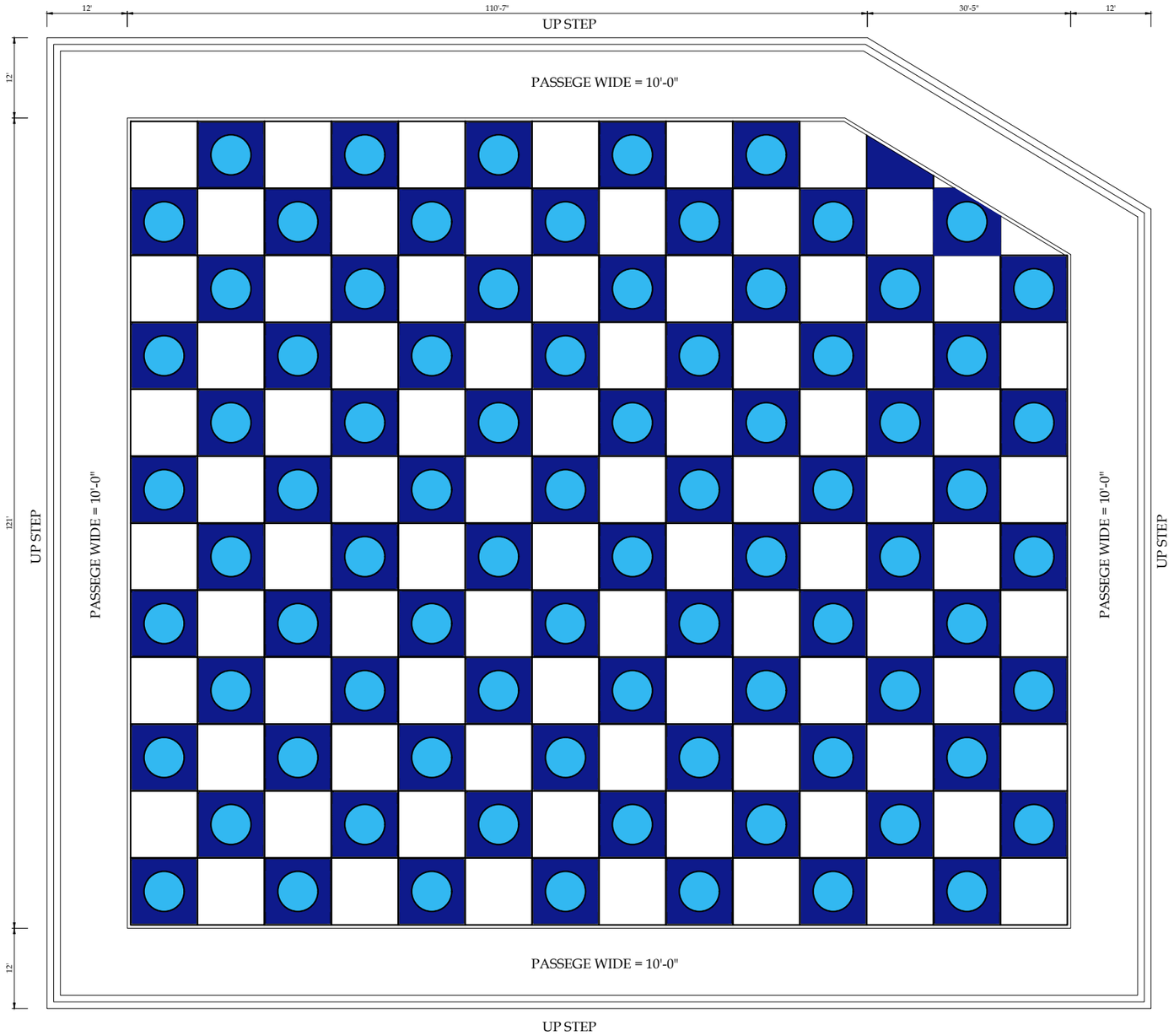
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




FLOOR MOUNTED FOUNTAINS

ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | FLOOR MOUNTED FOUNTAINS PLAN | AR- 0701 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

TUCK SHOPS

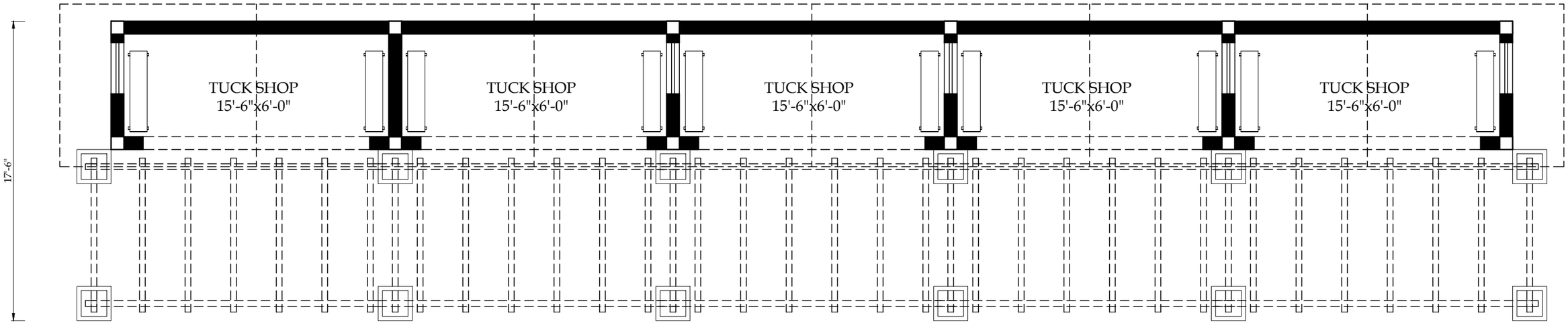
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

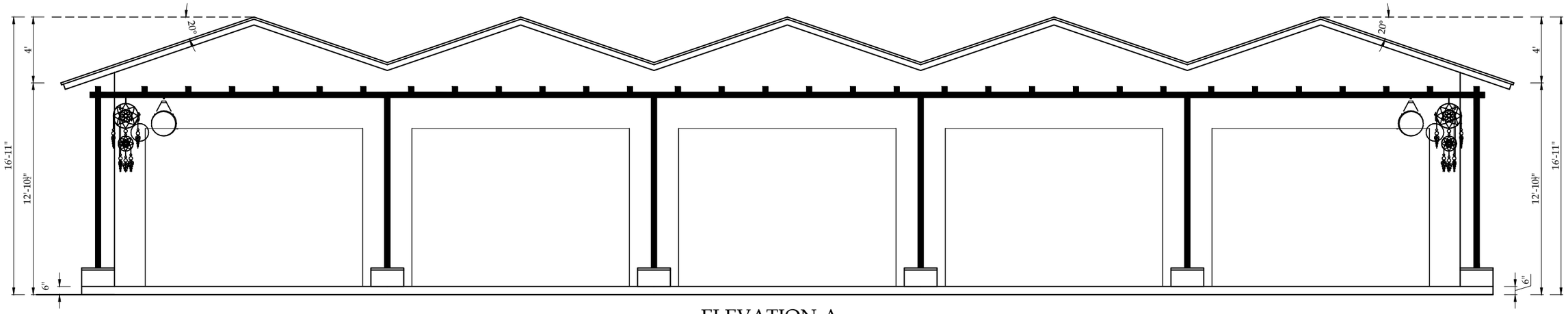
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




TUCK SHOP

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | TUCK SHOPS PLAN | AR- 0801 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




ELEVATION-A

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR- 0802 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | | | | A3 | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

REST ROOMS (3+3)

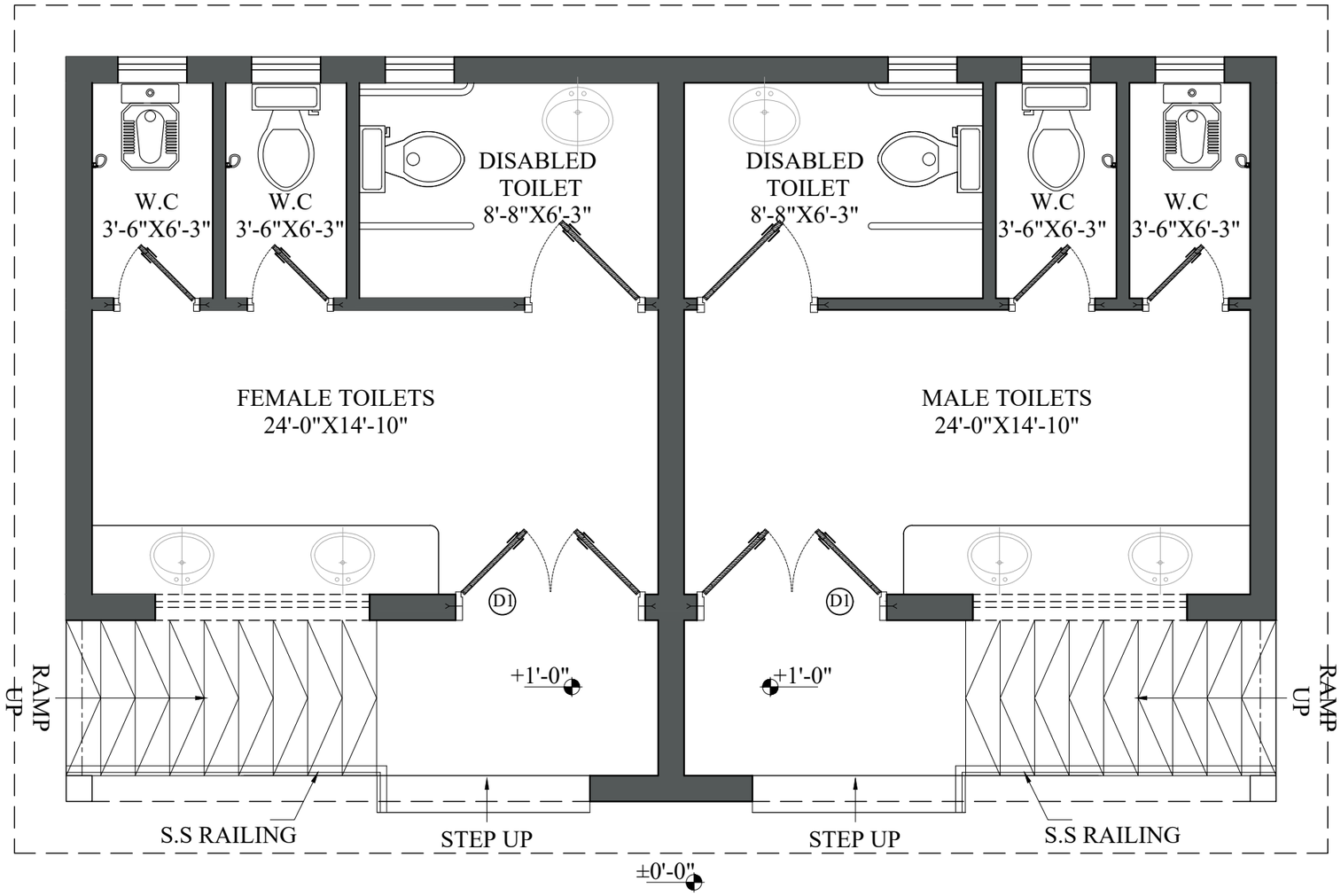
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

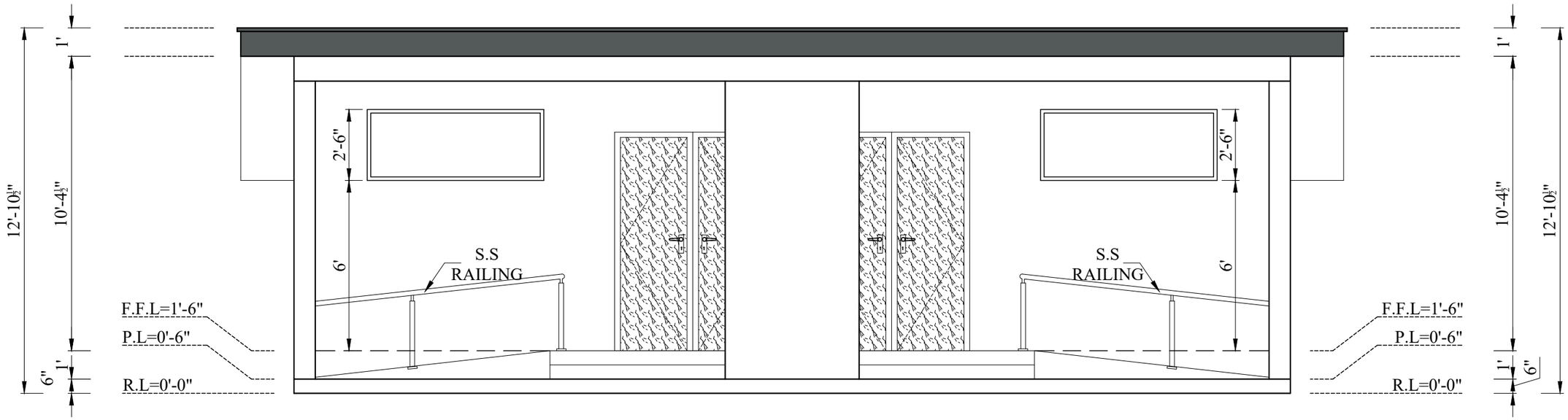
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# TOILETS MAIN PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | MAIN PLAN | AR- 0901 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# ELEVATION-A

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR- 0902 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

MINI VILLAGE

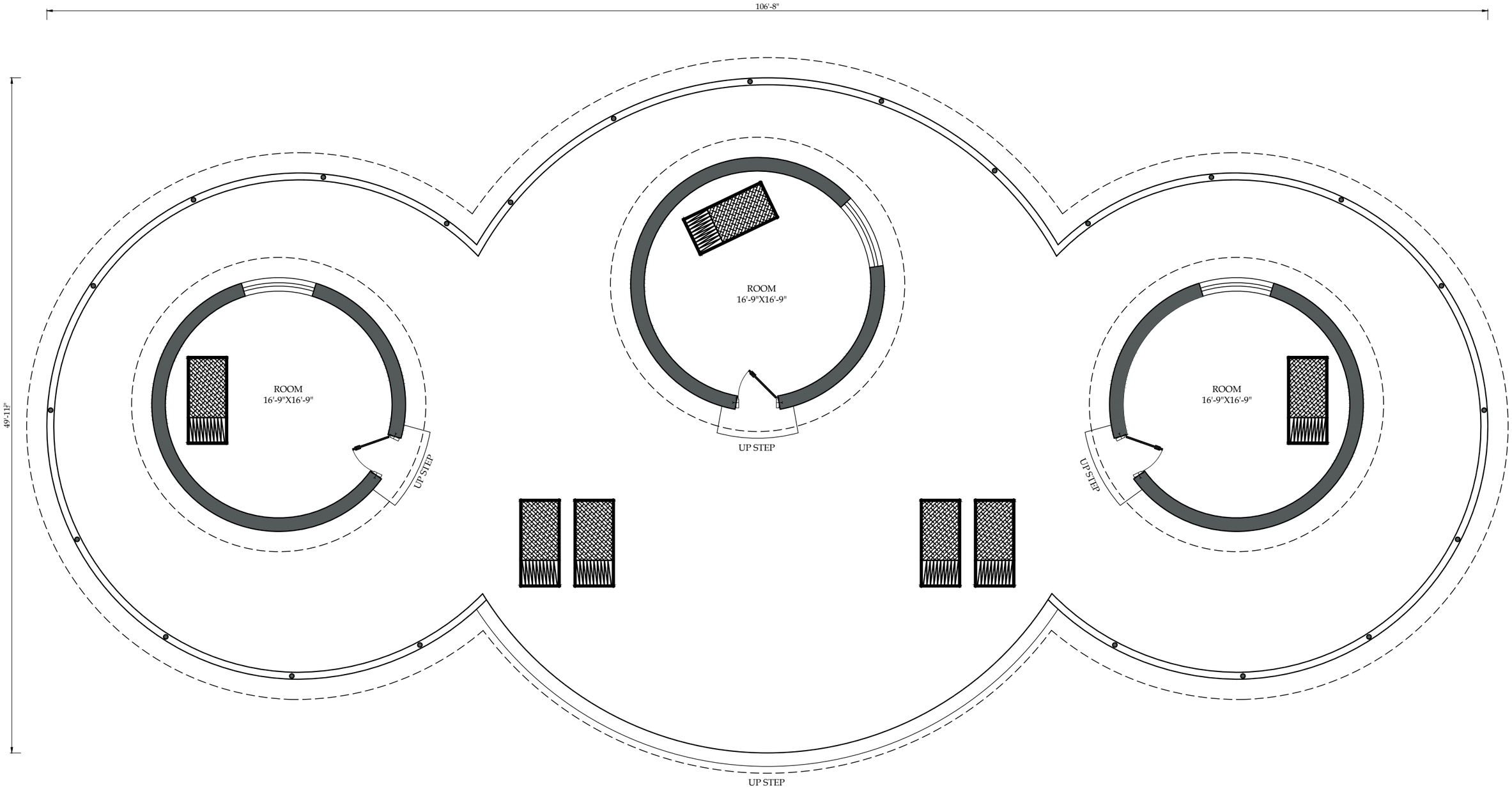
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

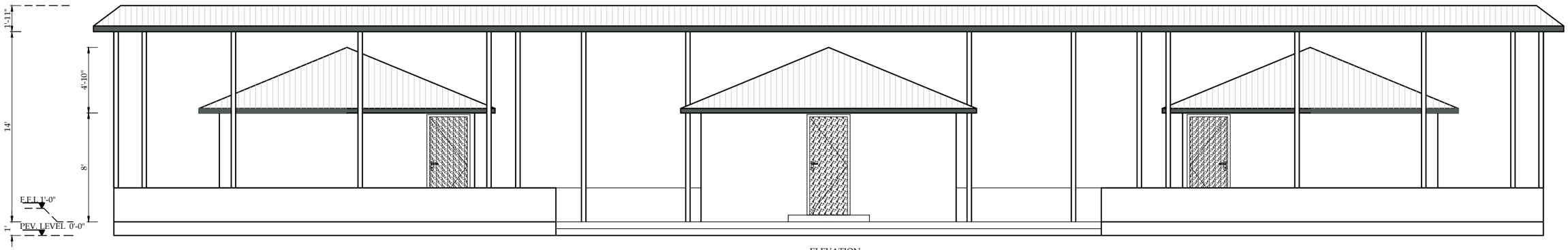
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




MINI VILLAGE PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | | MINI VILLAGE PLAN | AR-1001 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | A3 | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |




ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | | ELEVATION | AR-1002 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

RESTURANT

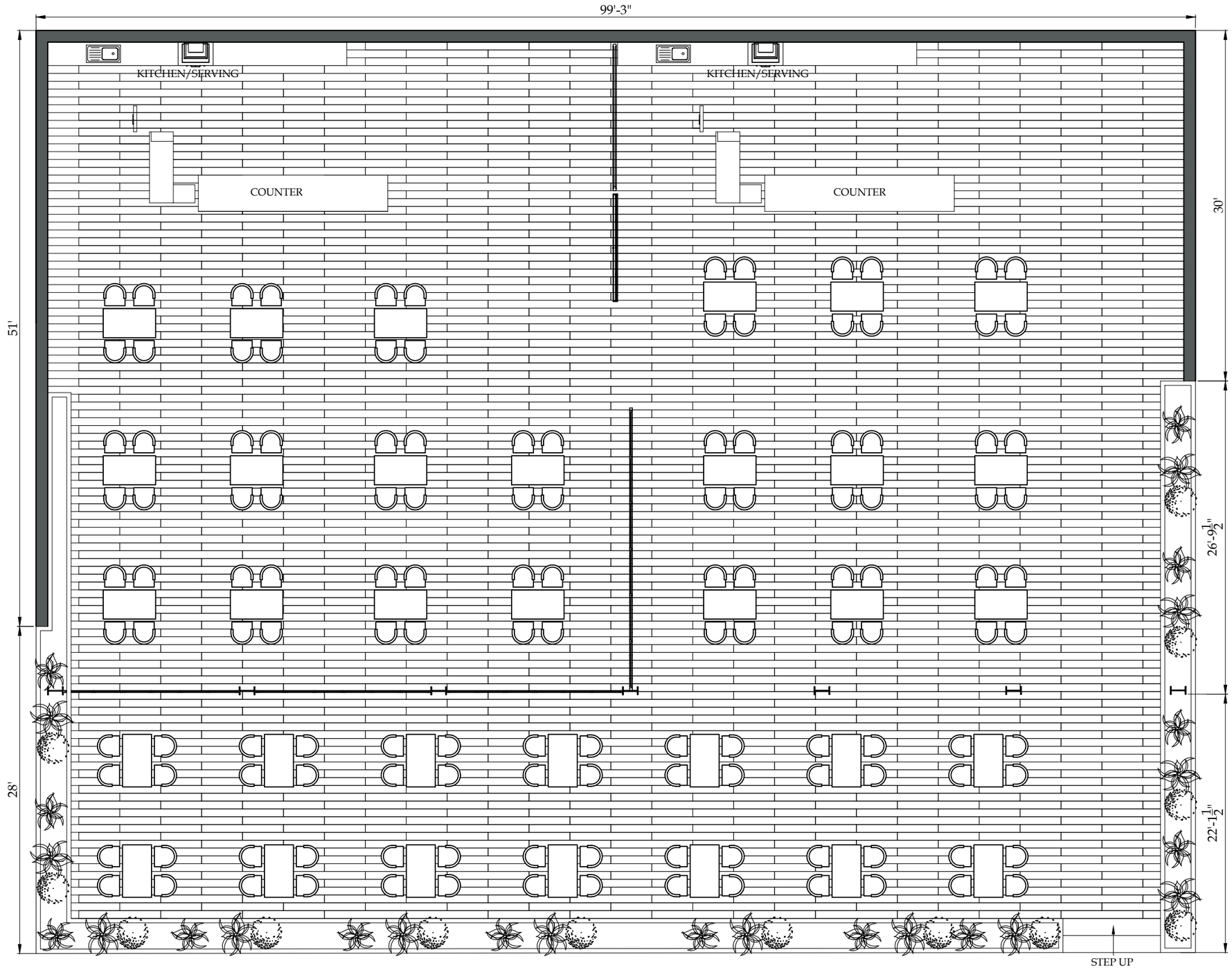
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

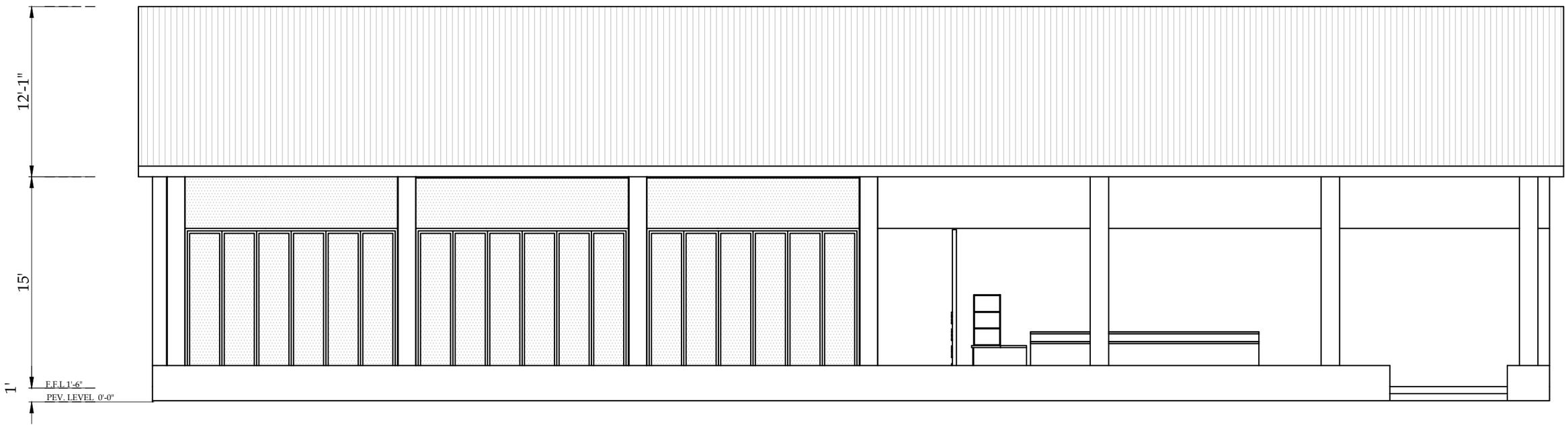
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




RESTURANT MAIN PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | RESTURANT MAIN PLAN | AR- 1101 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | ELEVATION | AR- 1102 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

REST ROOMS (6+6)

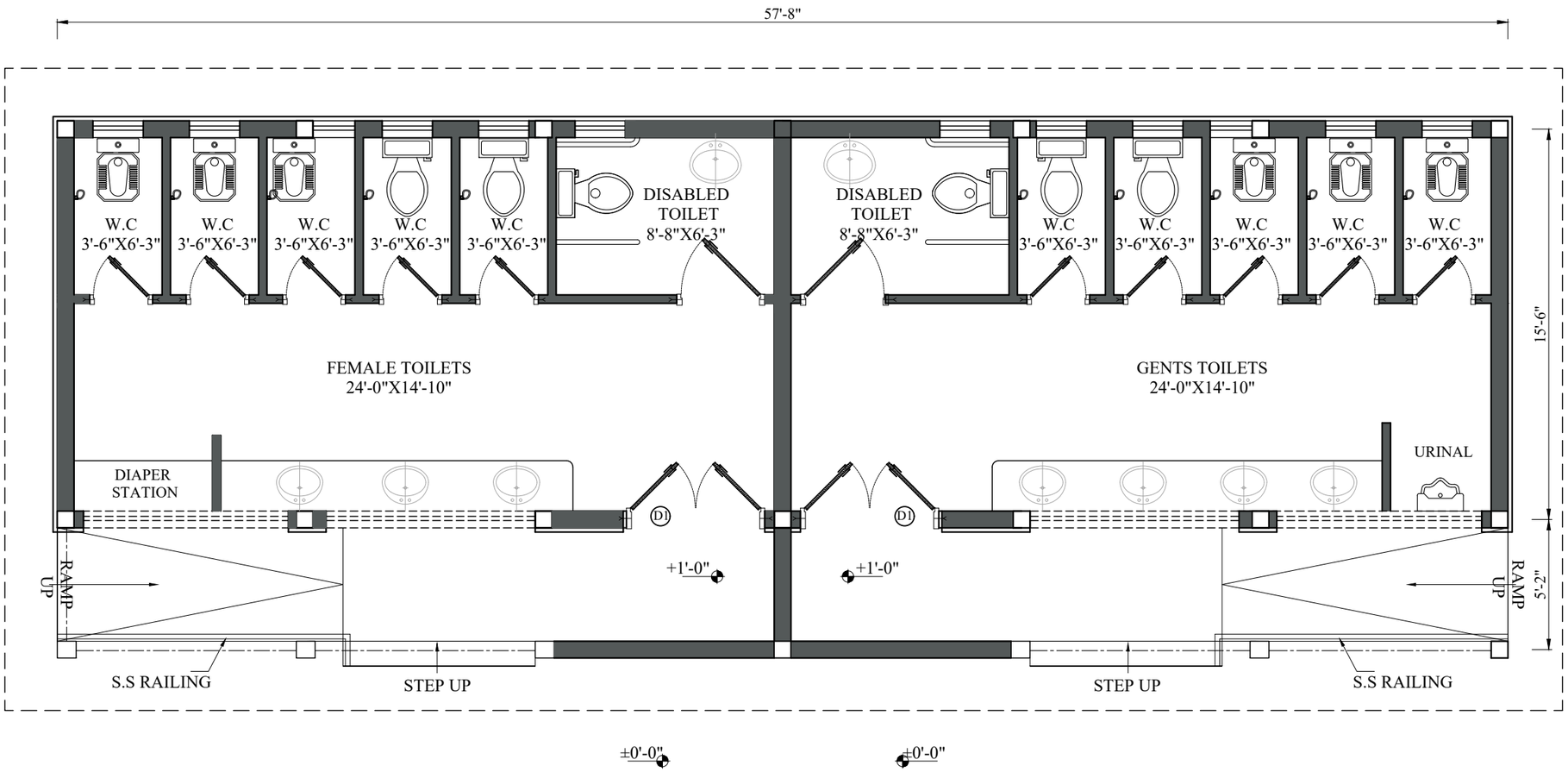
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

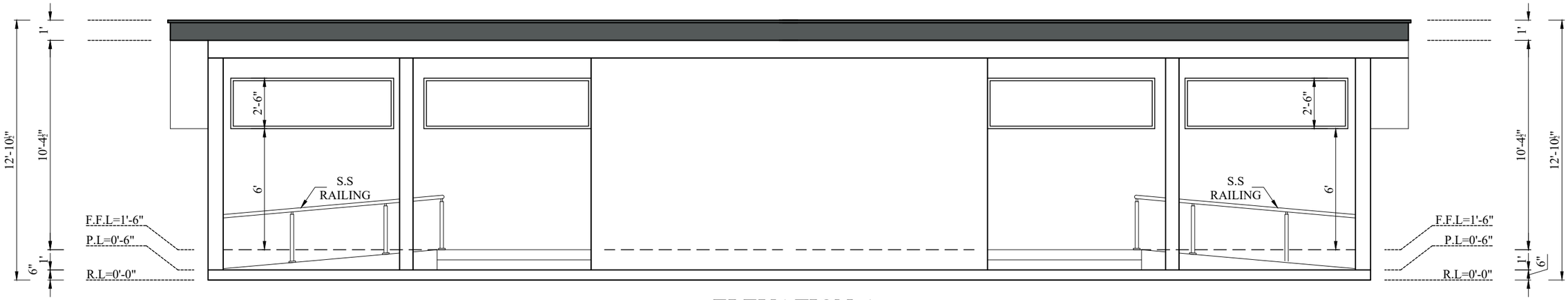
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




TOILETS MAIN PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | REST ROOM MAIN PLAN | AR- 1201 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




ELEVATION-A

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR- 1402 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

MINI ZOO

**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

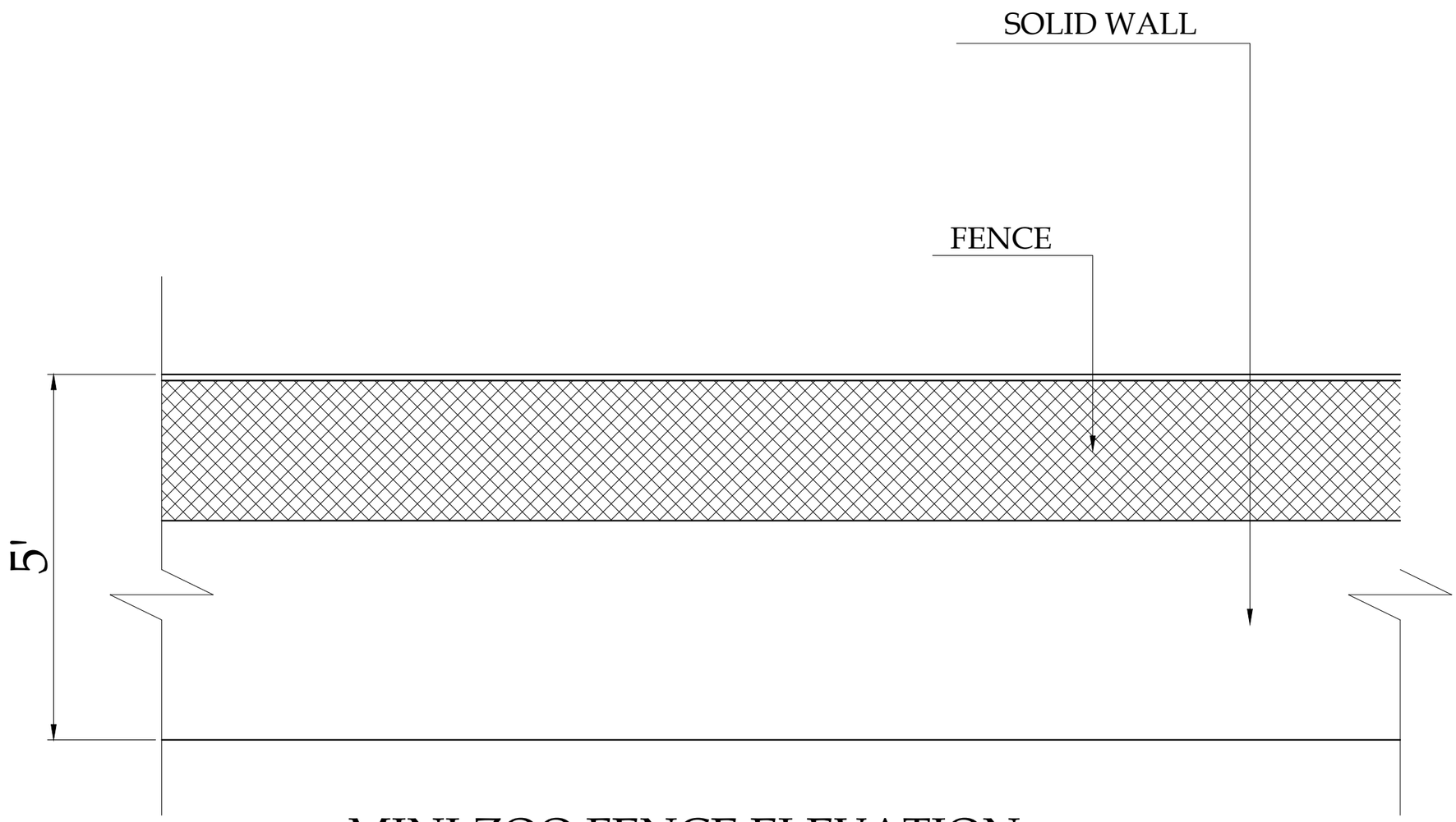
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# MINI ZOO

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | | GROUND FLOOR PLAN | AR- 1301 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | A3 | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |




# MINI ZOO FENCE ELEVATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** FRONT ELEVATION | **DRAWING NO:** AR- 1302 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

HERITAGE WALK

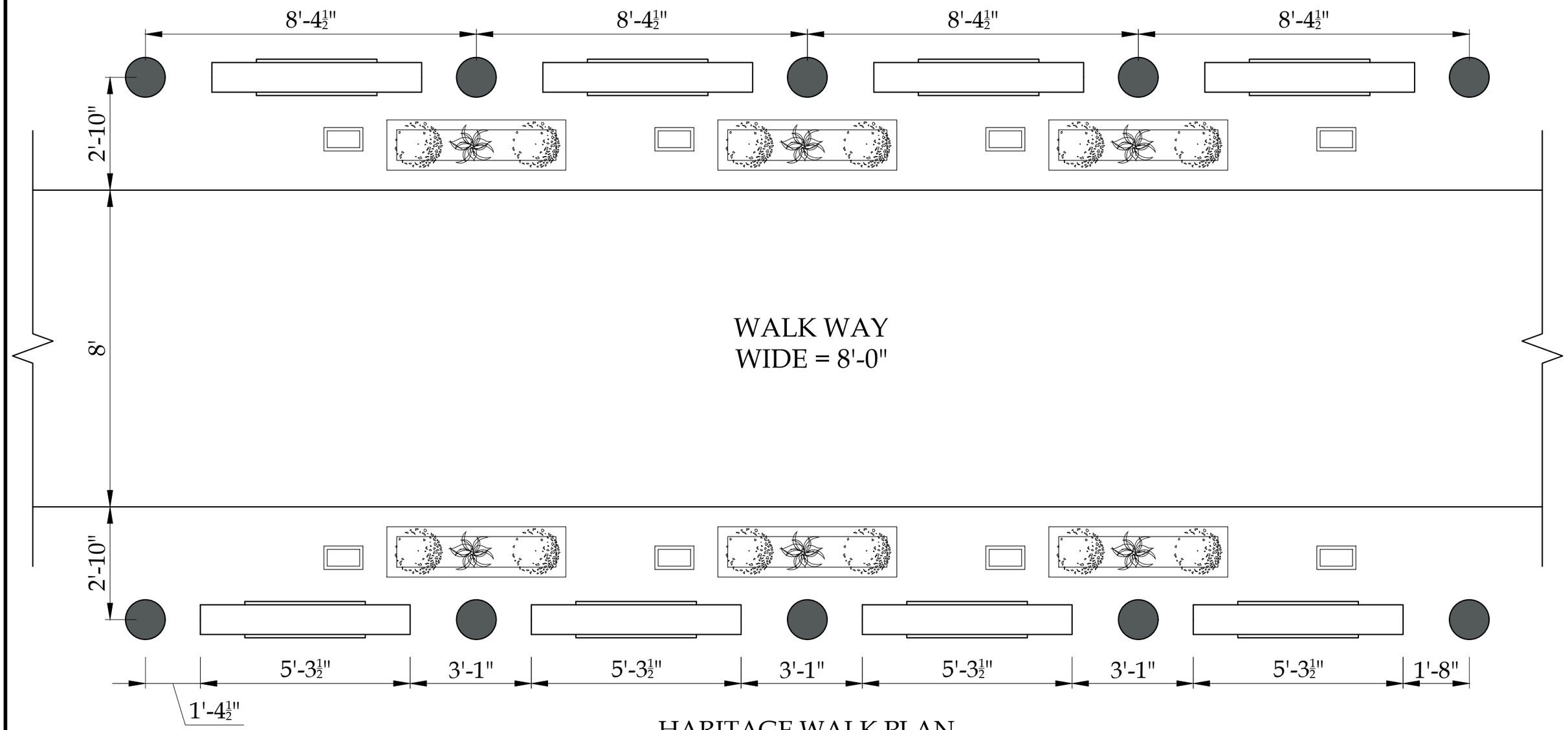
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

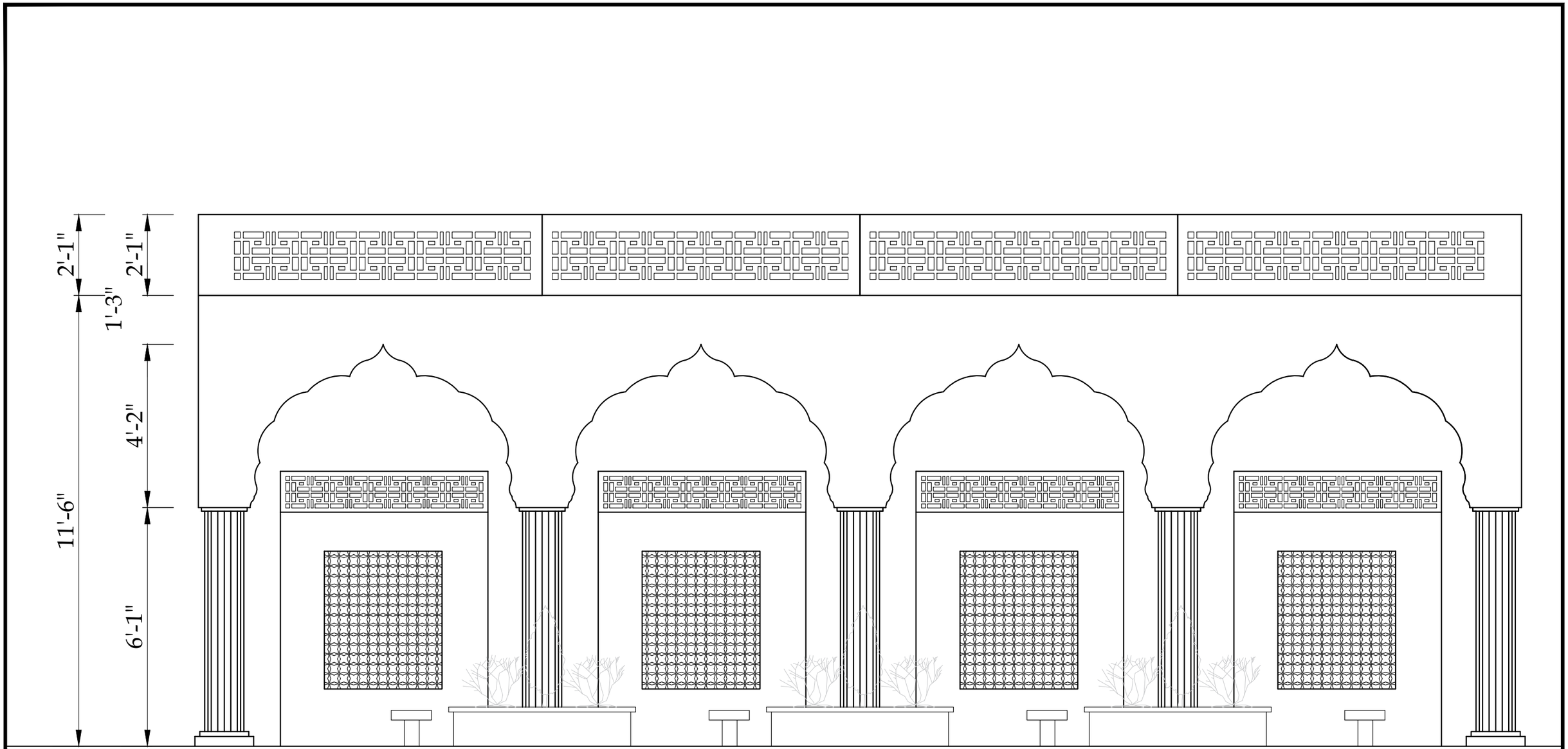
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# HARITAGE WALK PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | HERITAGE WALK PLAN | AR-1401 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | ELEVATION | AR-1402 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

AMPHITHEATER

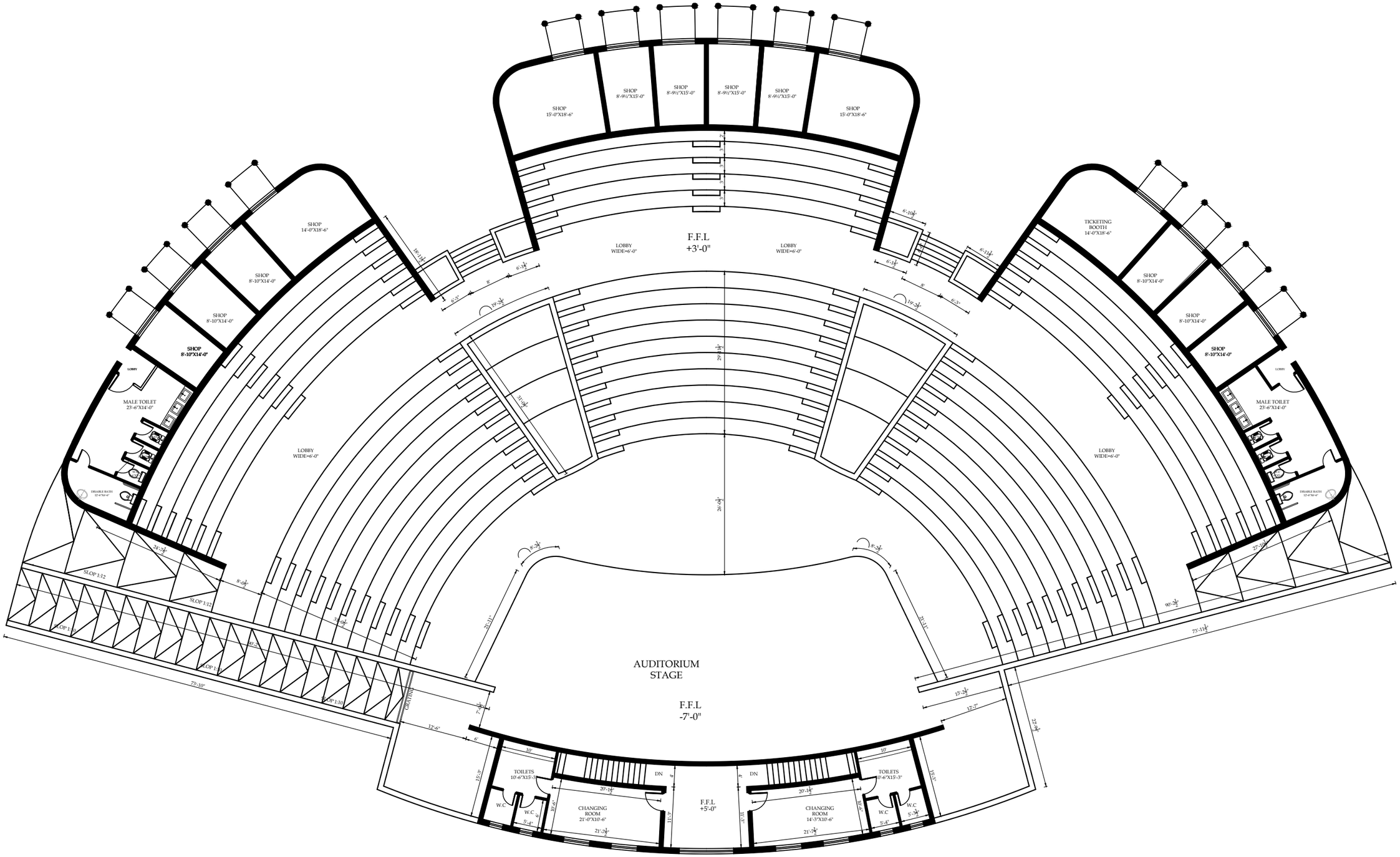
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

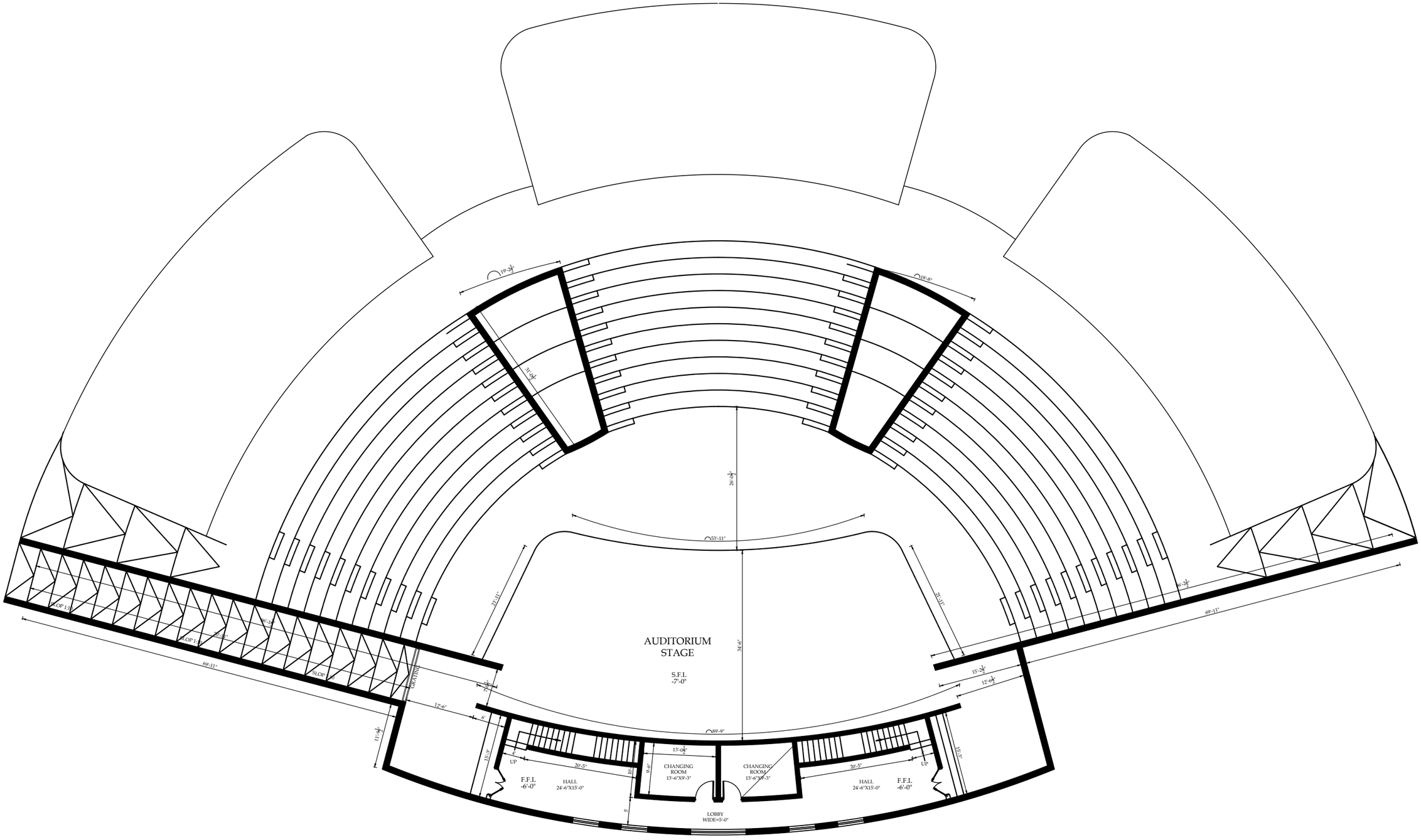
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



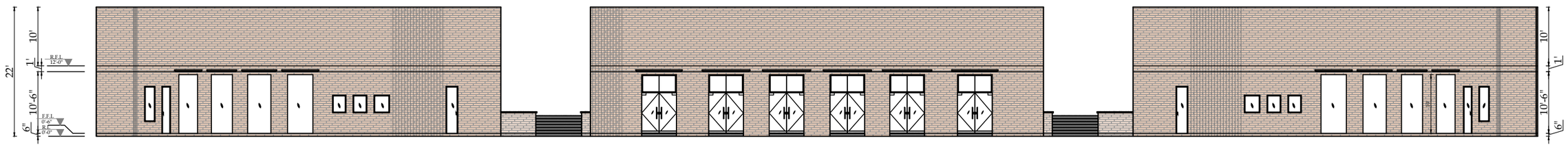

# UPPER GROUND FLOOR
# (AMPHITHEATER)

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | MAIN PLAN | AR- 1501 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# LOWER GROUND FLOOR
# (AMPHITHEATER)

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | MAIN PLAN | AR- 1502 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | MAIN PLAN | AR- 1503 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

ANIMAL ENCLOSURE

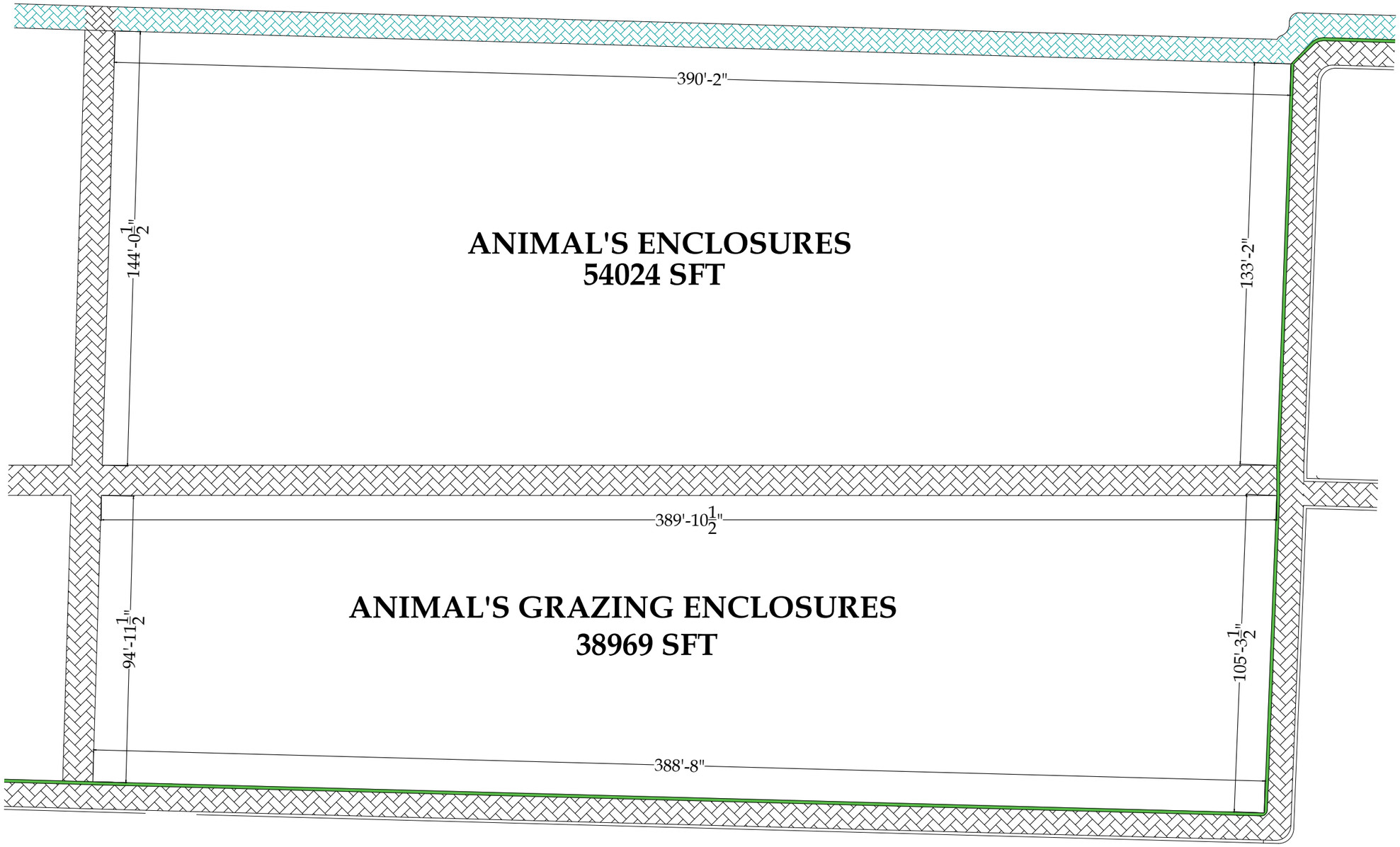
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

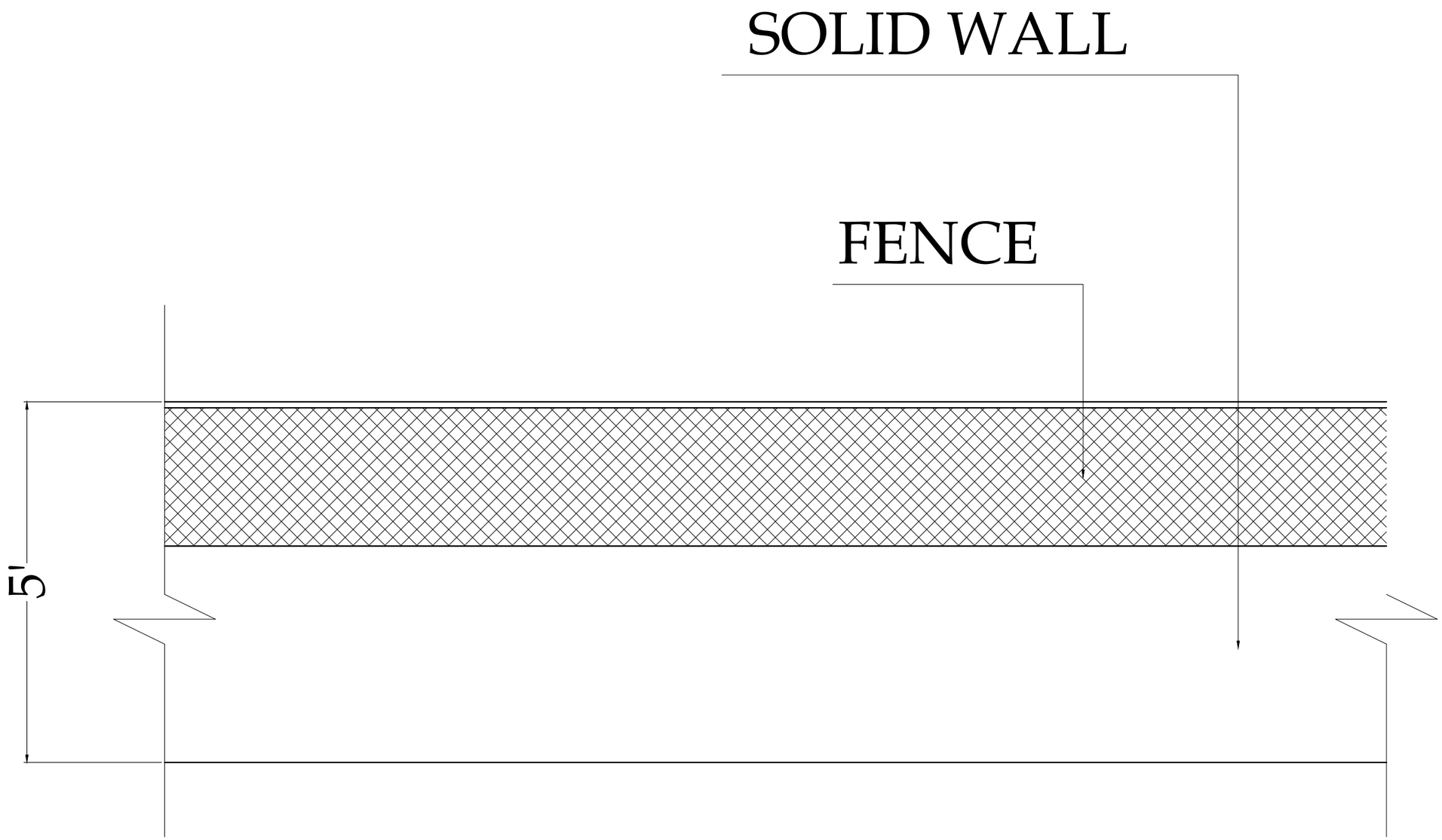
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# ANIMAL'S ENCLOSURES

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | ANIMAL'S ENCLOSURES PLAN | AR- 1601 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |




# ANIMAL ENCLOSURE FENCE ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | FRONT ELEVATION | AR- 1602 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECO-TOURISM AT CHANGA MANGA

MAIN GATE SAFARI

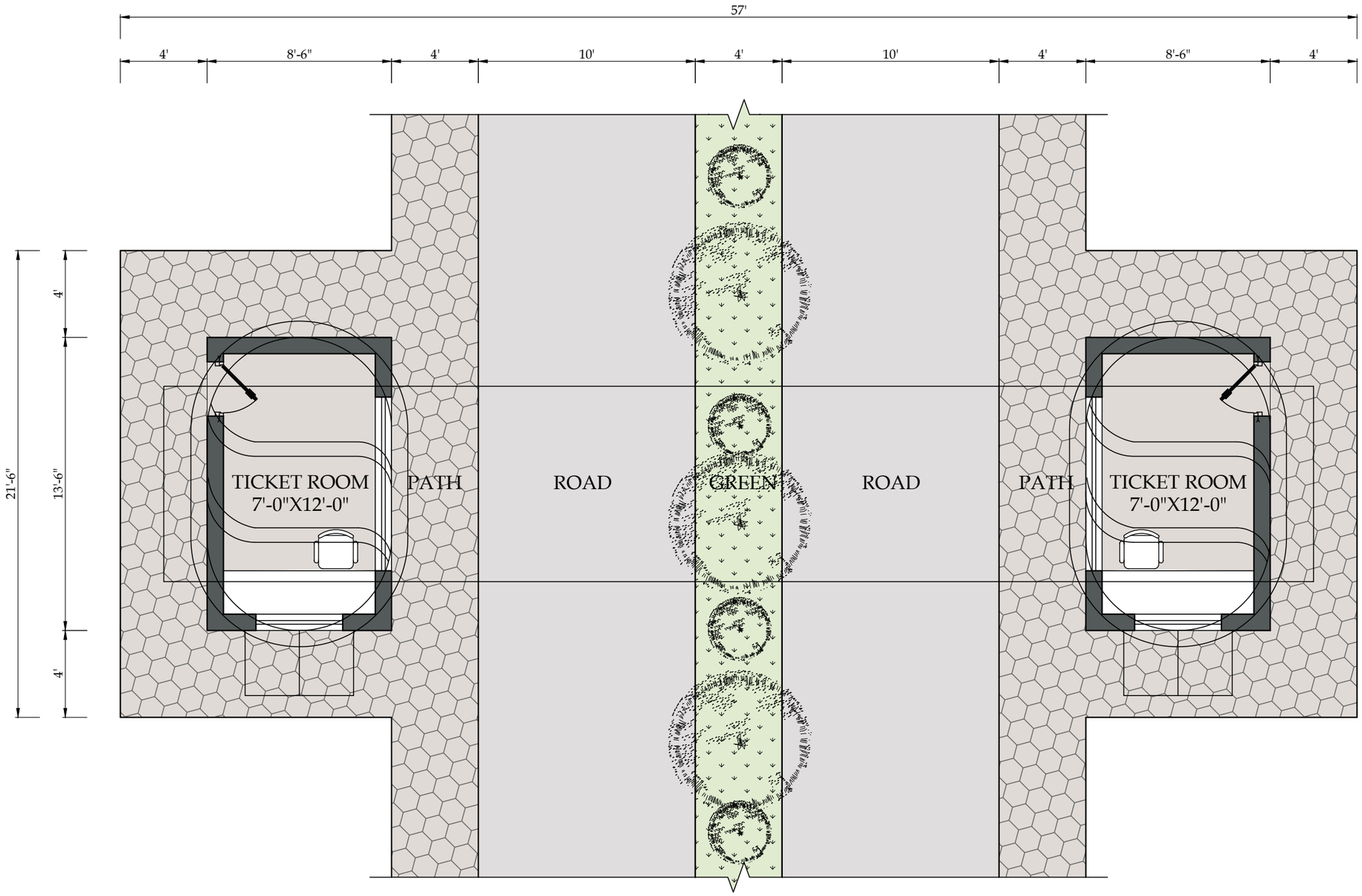
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

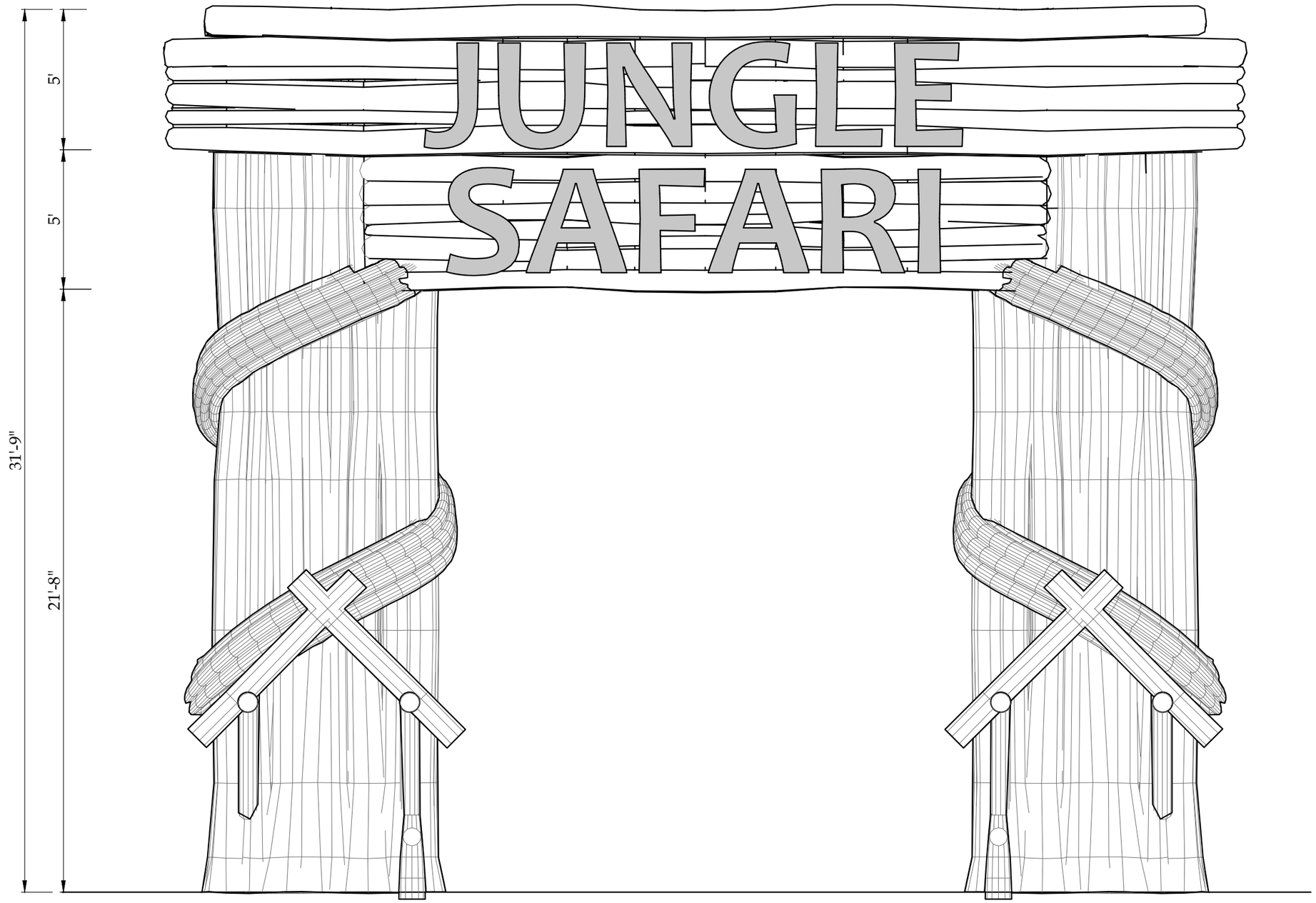
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# JUNGLE SAFARI GATE
## G.F PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | JUNGLE SAFARI GATE PLAN | AR- 1701 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | | | | | A3 | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |




# JUNGLE SAFARI GATE
# ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | ELEVATION | AR- 1702 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

## TICKETING BOOTH

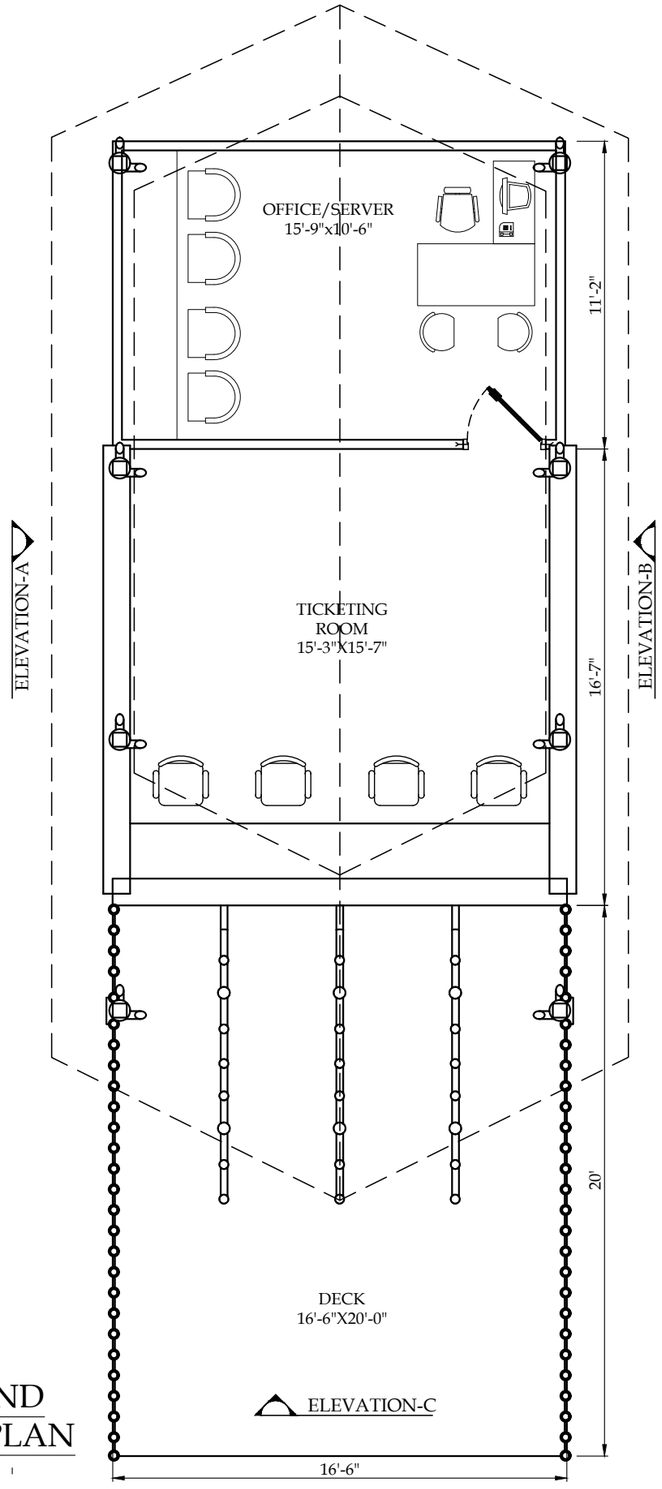
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

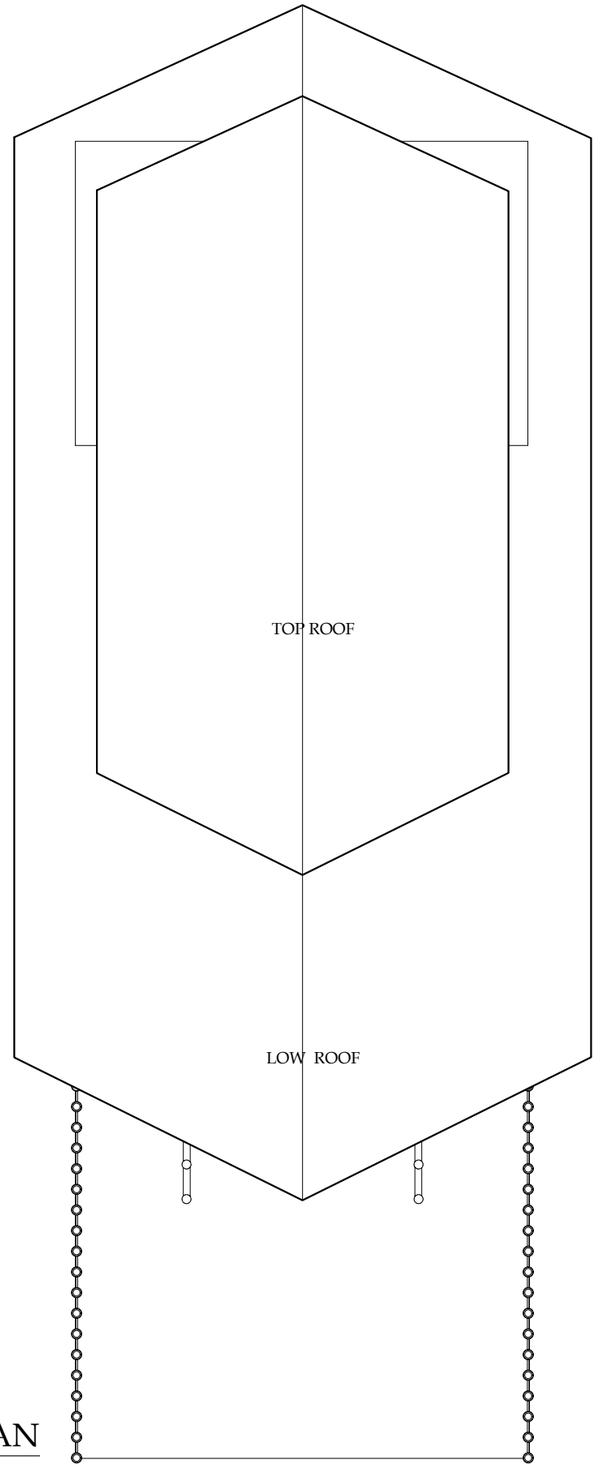
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

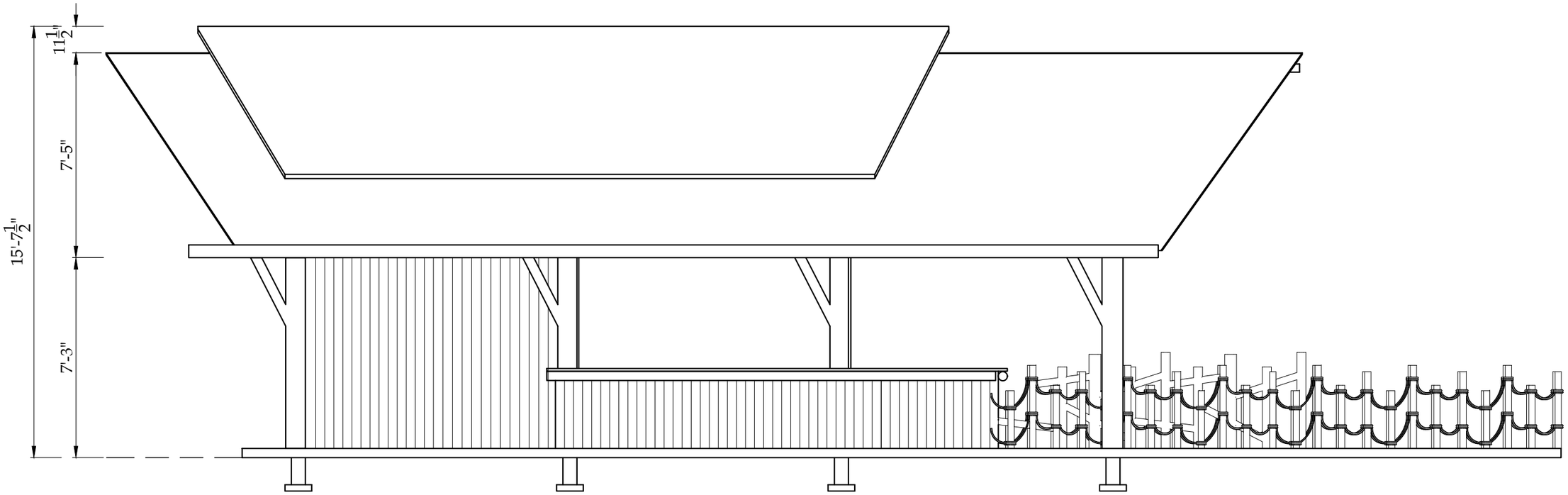



GROUND FLOOR PLAN

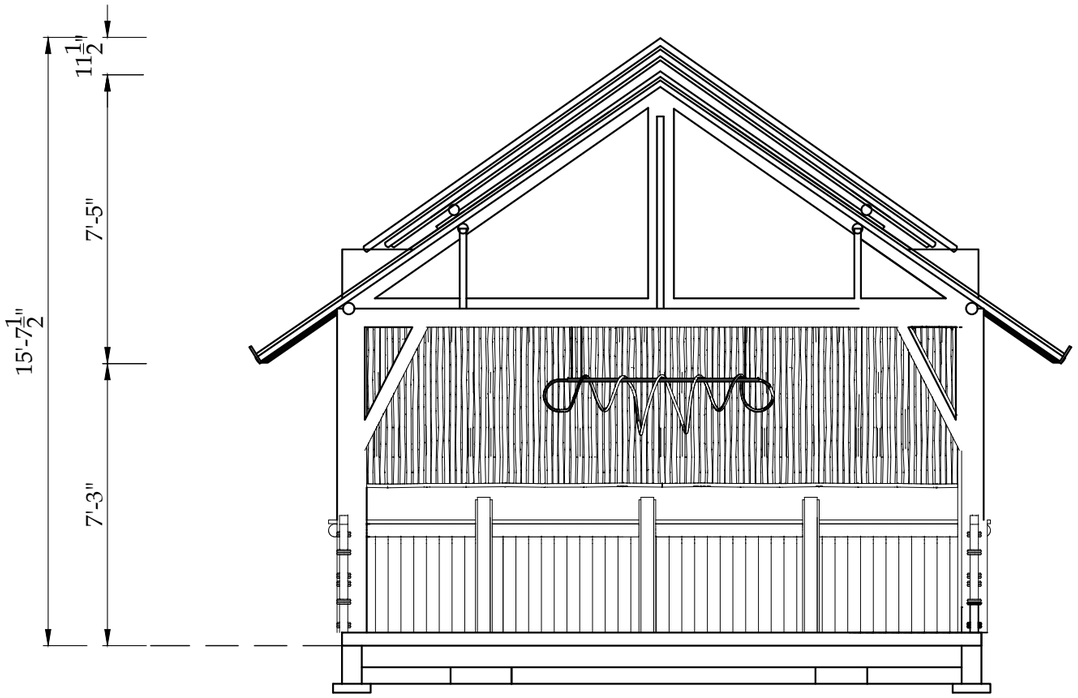



ROOF PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | GATE PLAN | AR- 1801 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




ELEVATION-A & B




ELEVATION-C

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | DRAWING TITLE: ELEVATION A , B & C | DRAWING NO: AR- 1802 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

TRAMP STATION

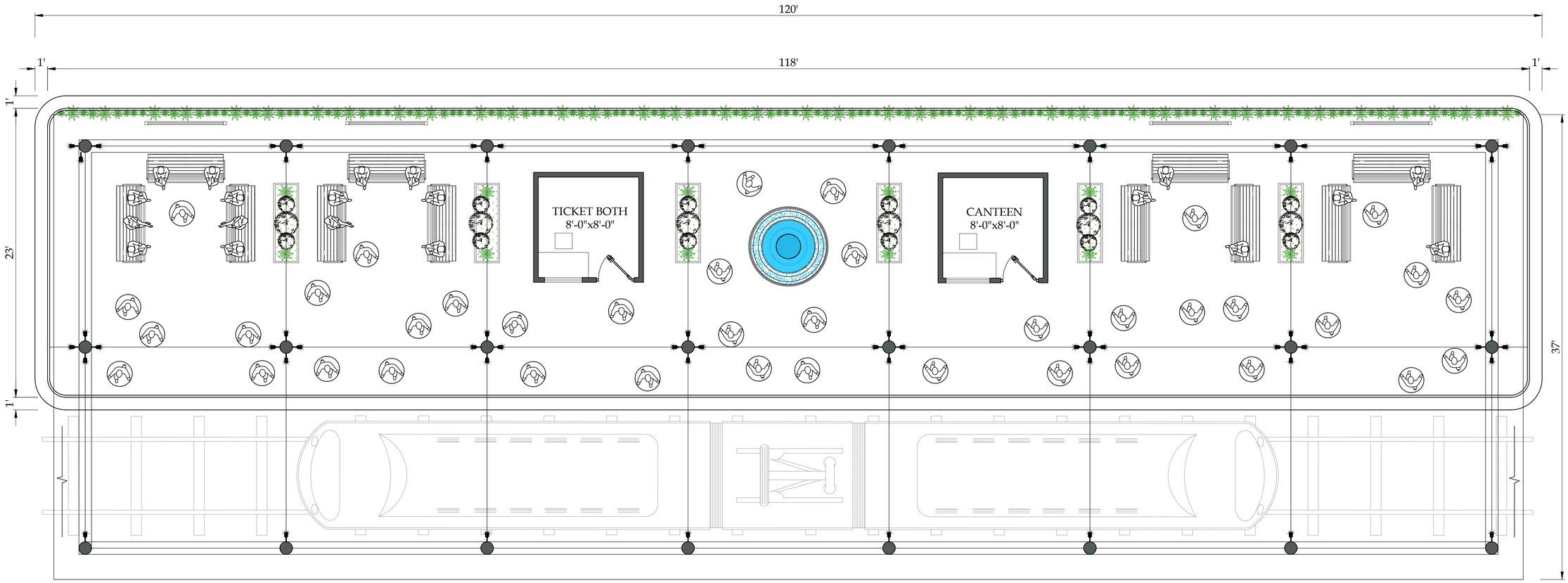
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

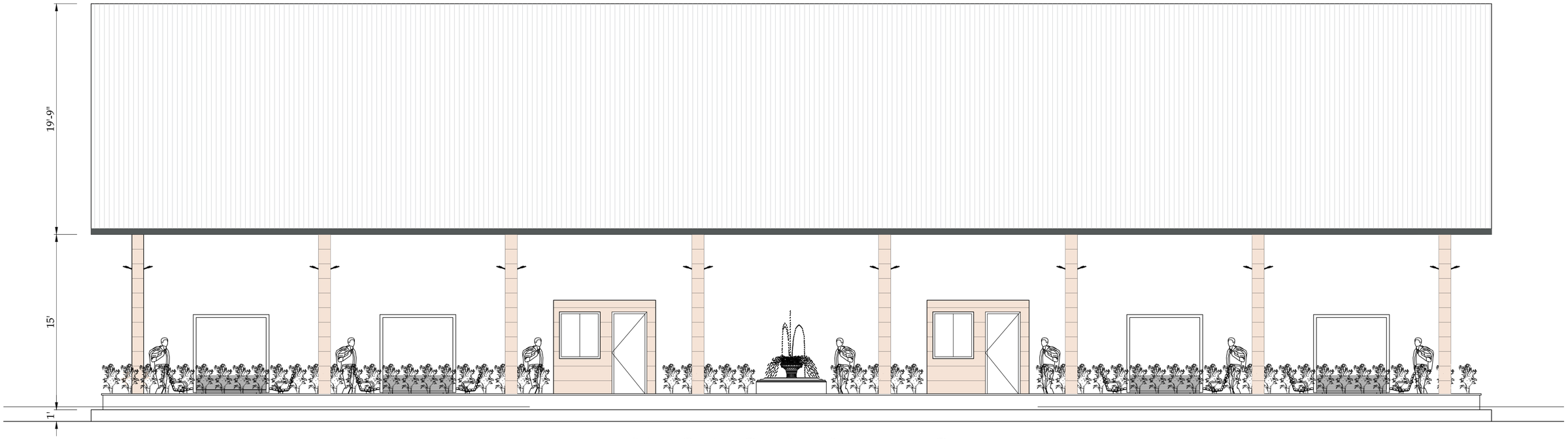
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# TRAM STATION PLAN

SCALE:- 1/8" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | **DRAWING TITLE:** TRAM STATION PLAN | **DRAWING NO:** AR- 1901 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# TRAM STATION REAR ELEVATION

SCALE:- 1/8" = 1'-0"

# TRAM STATION FRONT ELEVATION

SCALE:- 1/8" = 1'-0"

**CLIENT:**

PUNJAB WILDLIFE & PARK DEPARTMENT

GOVERNMENT OF THE PUNJAB

**CONSULTANTS:**

ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

**PROJECT:**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

| | | |
|---|---|---|
| DRAWN BY: | MUDASSAR HUSSAIN | |
| DESIGNED BY: | MIR SHEHREYAR | |
| CHECKED BY: | ZEESHAN ALI | |
| APPROVED BY: | | |
| DATE: | NOVEMBER, 2024 | |

**DRAWING TITLE:**

**TRAM STATION ELEVATION**

**DRAWING NO:** AR-1902

**SCALE:**

**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

JEEP PARKING

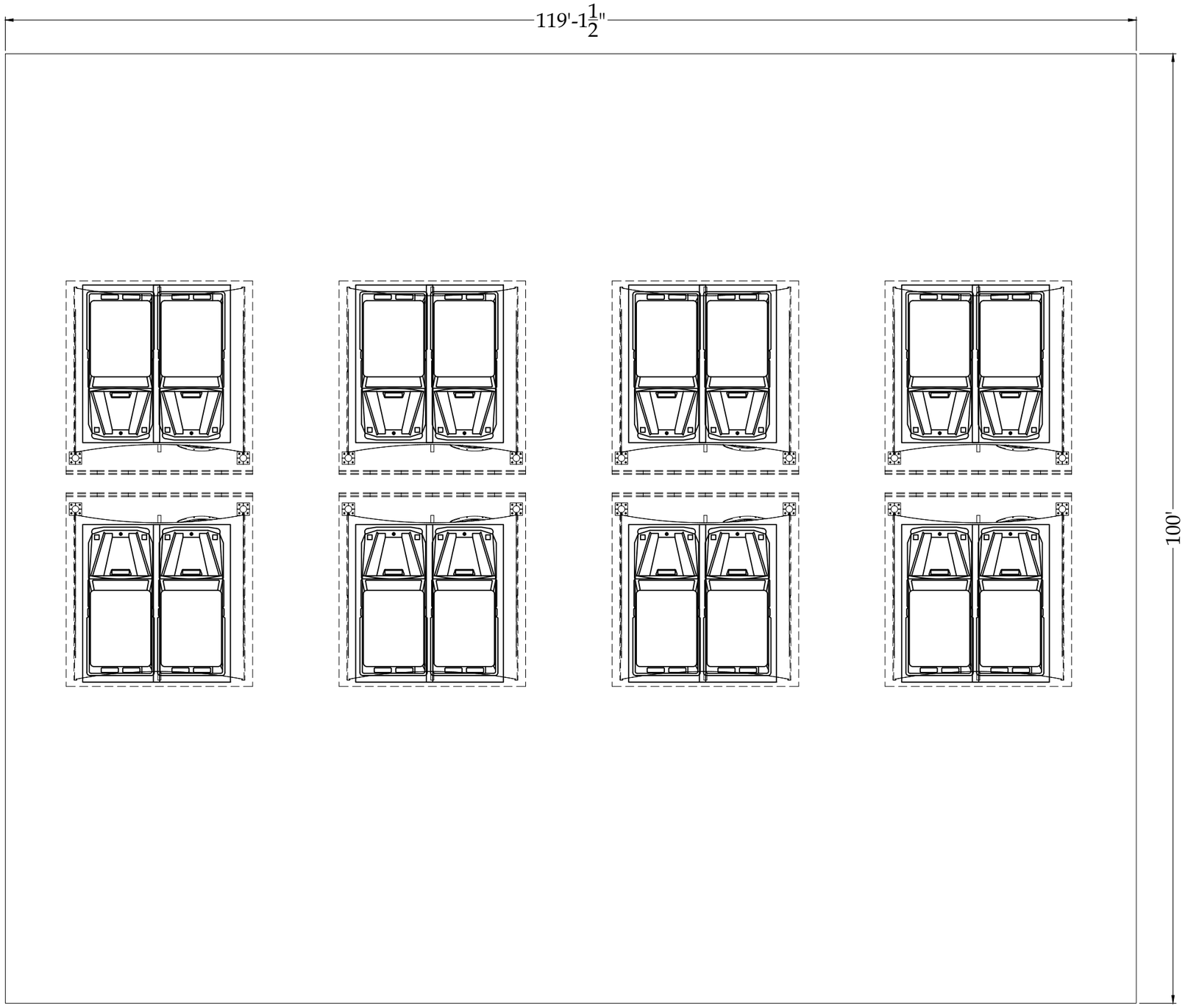
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

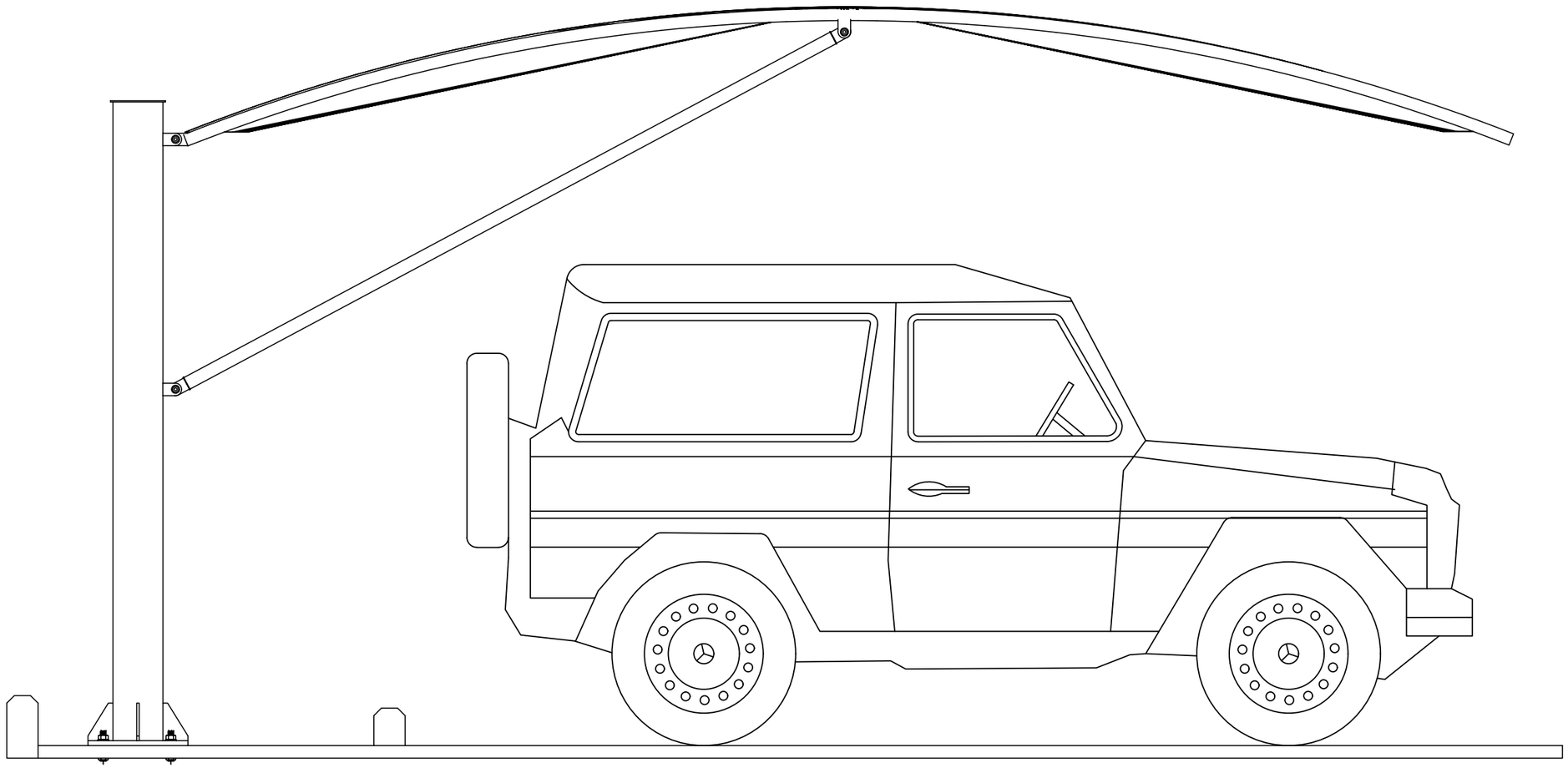
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# JEEPS PARKING

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | GROUND FLOOR PLAN | AR- 2001 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |



# STEEL STRUCTURE
# TENSILE SHED ELEVATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | DRAWING TITLE: FRONT ELEVATION | DRAWING NO: AR- 2002 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | |
| | | | APPROVED BY: | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

## JUNGLE SAFARI MINI GATE

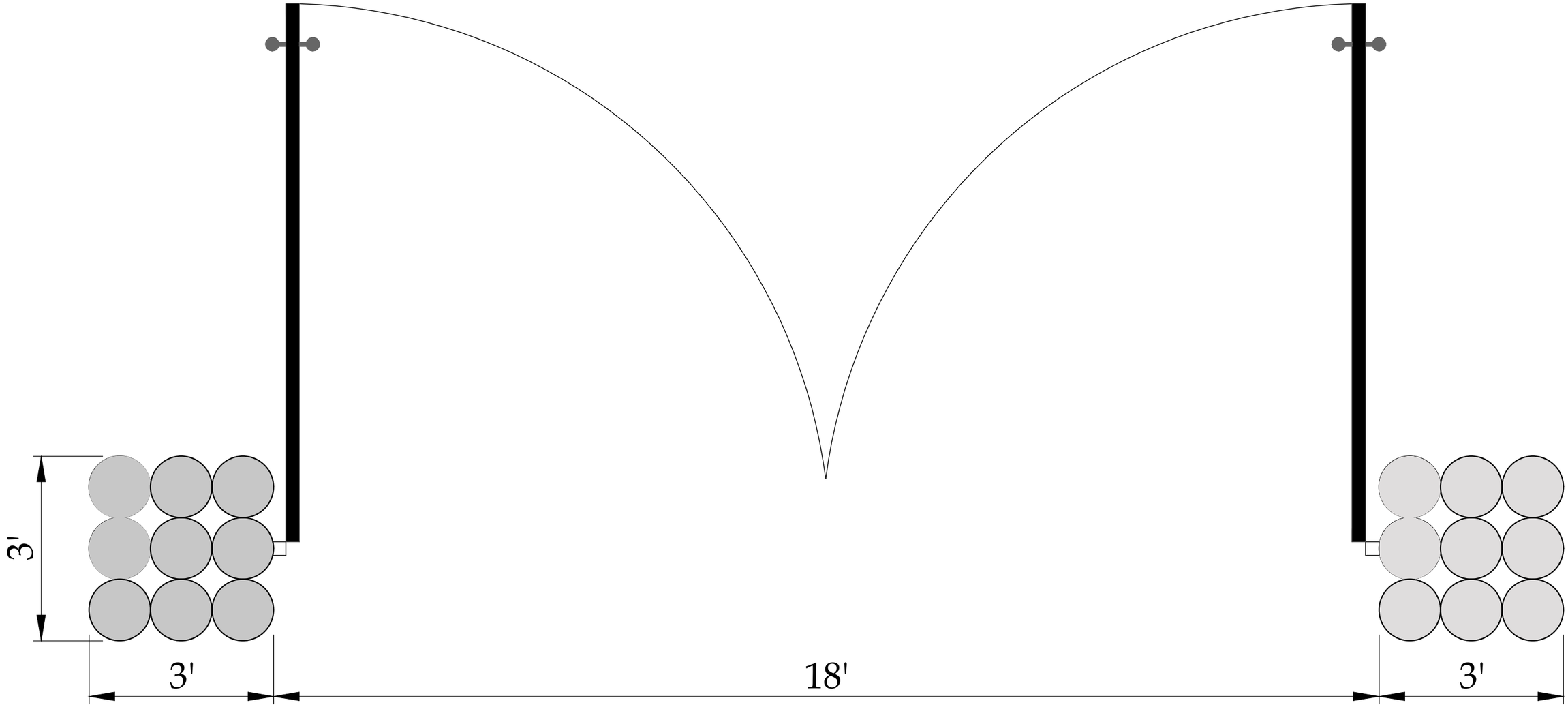
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

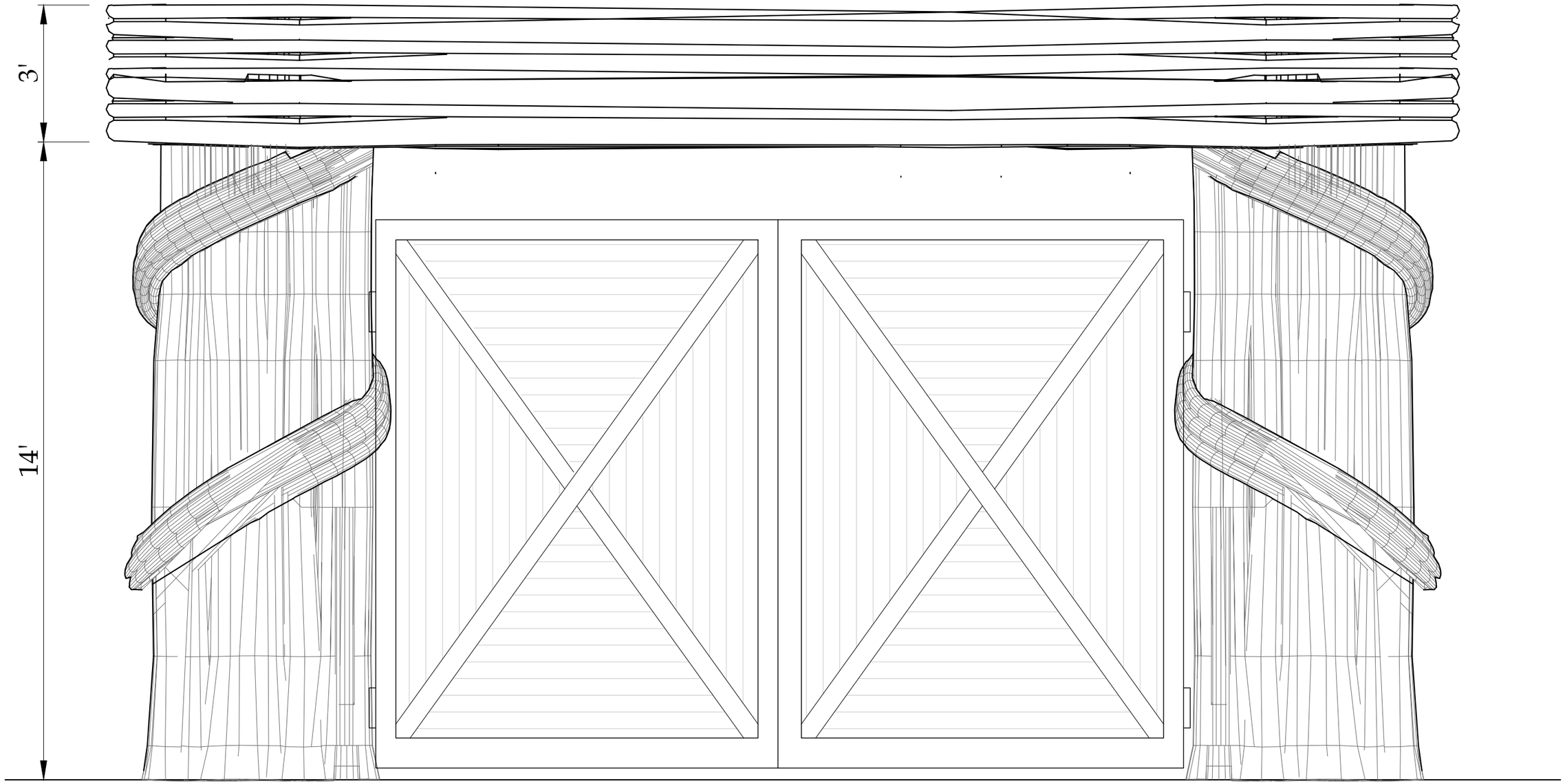
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# JUNGLE SAFARI MINI GATE PLAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | DRAWING TITLE: JUNGLE SAFARI MINI GATE PLAN | DRAWING NO: AR- 2101 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | |
| | | | APPROVED BY: | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | |




# JUNGLE SAFARI MINI GATE ELEVATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | DRAWING TITLE: ELEVATION | DRAWING NO: AR- 2102 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | |
| | | | APPROVED BY: | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

WATCH TOWER

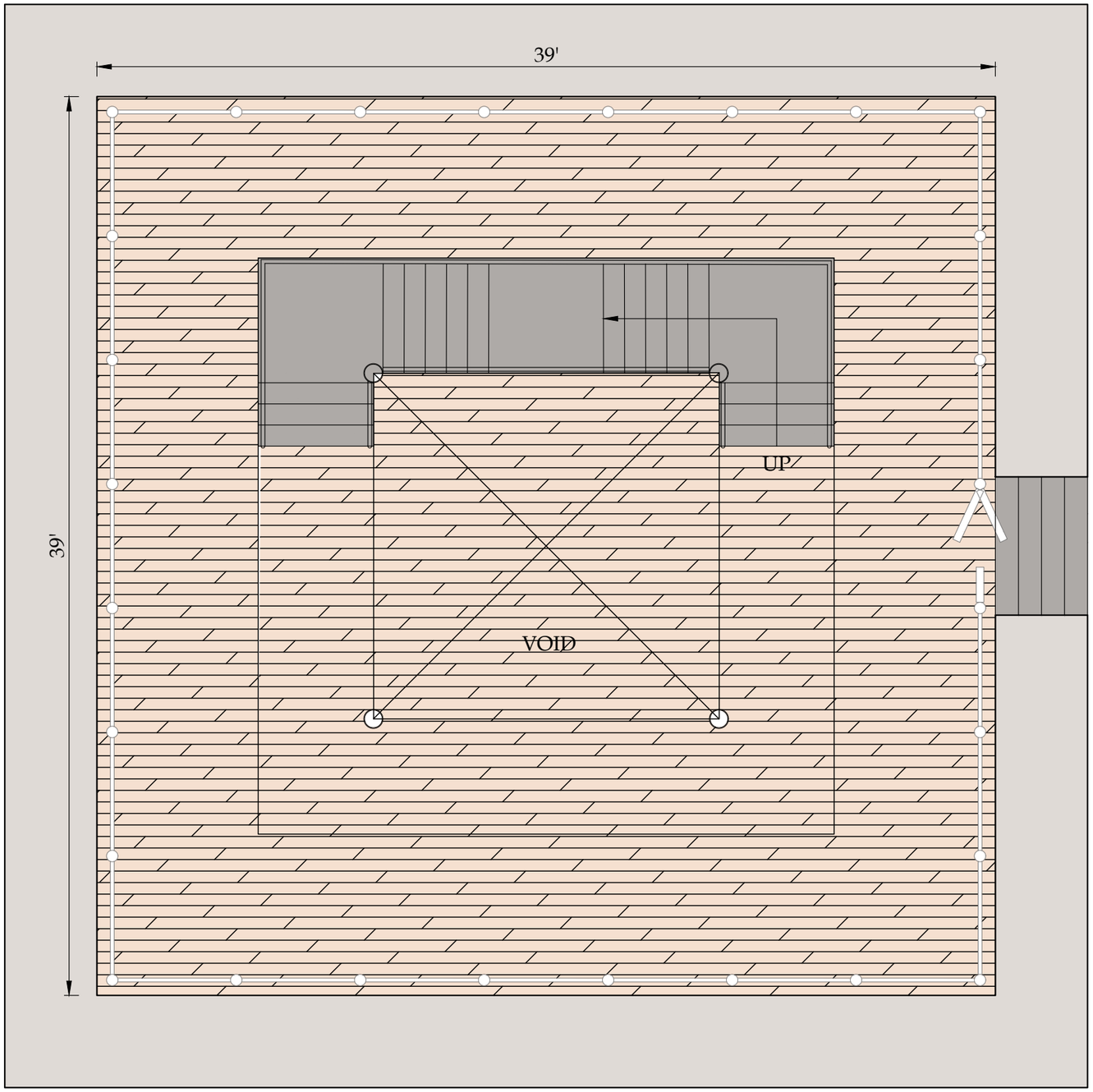
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

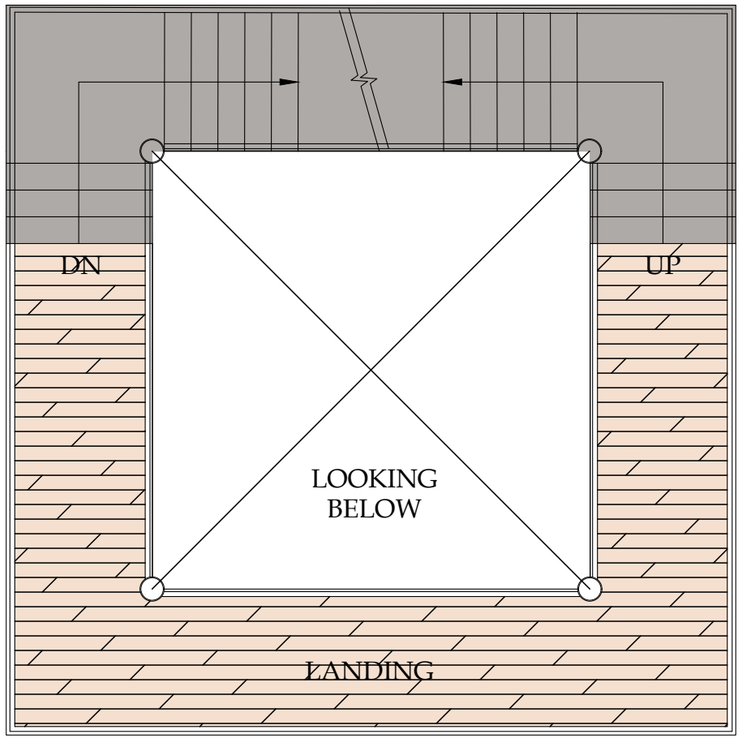
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

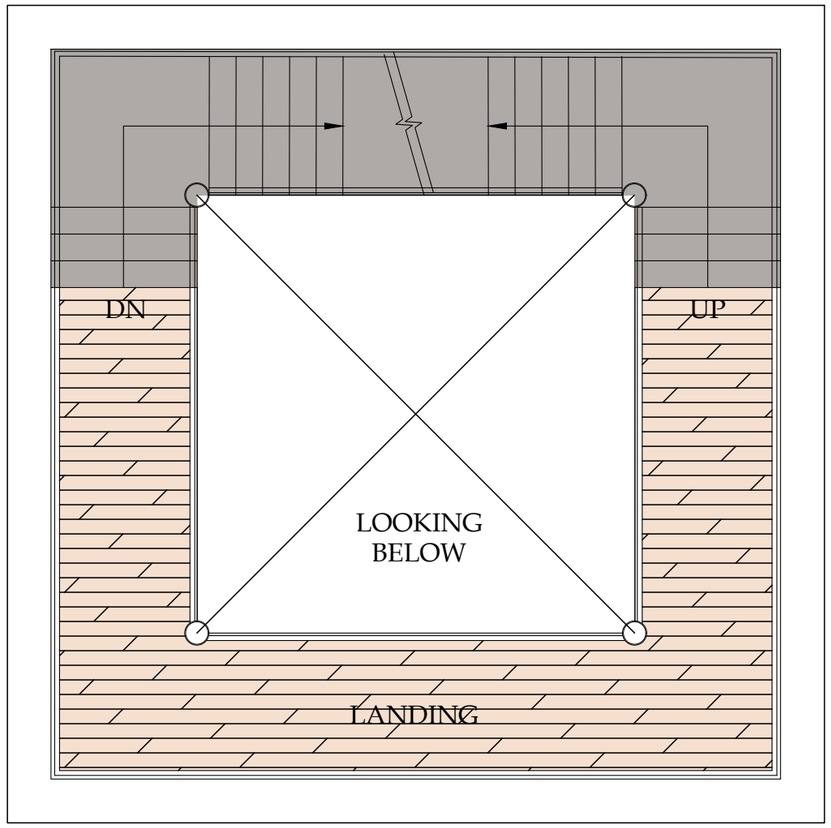



# GROUND FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | GROUND FLOOR PLAN | AR- 2201 | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |

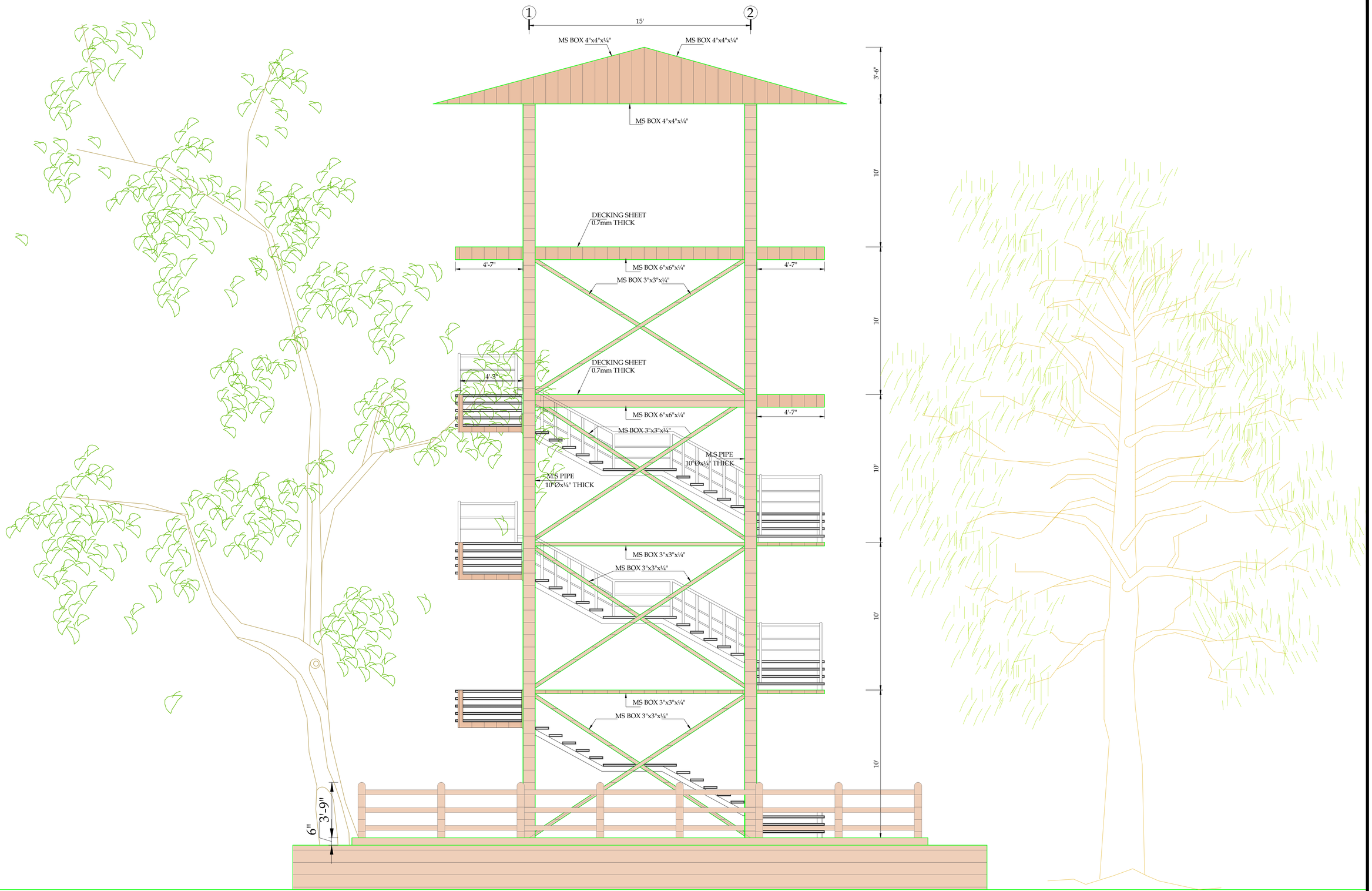



FIRST FLOOR PLAN




SECOND FLOOR PLAN

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN<br>DESIGNED BY: MIR SHEHREYAR<br>CHECKED BY: ZEESHAN ALI<br>APPROVED BY:<br>DATE: NOVEMBER, 2024 | DRAWING TITLE: 1ST & 2ND FLOOR PLAN | DRAWING NO: AR- 2202<br>SCALE:<br>SHEET: A3 | REV. | DESCRIPTION | SIGN. | DATE |




| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | SECTION-AA & BB | AR- 2203 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

JUNGLE SAFARI CAFE

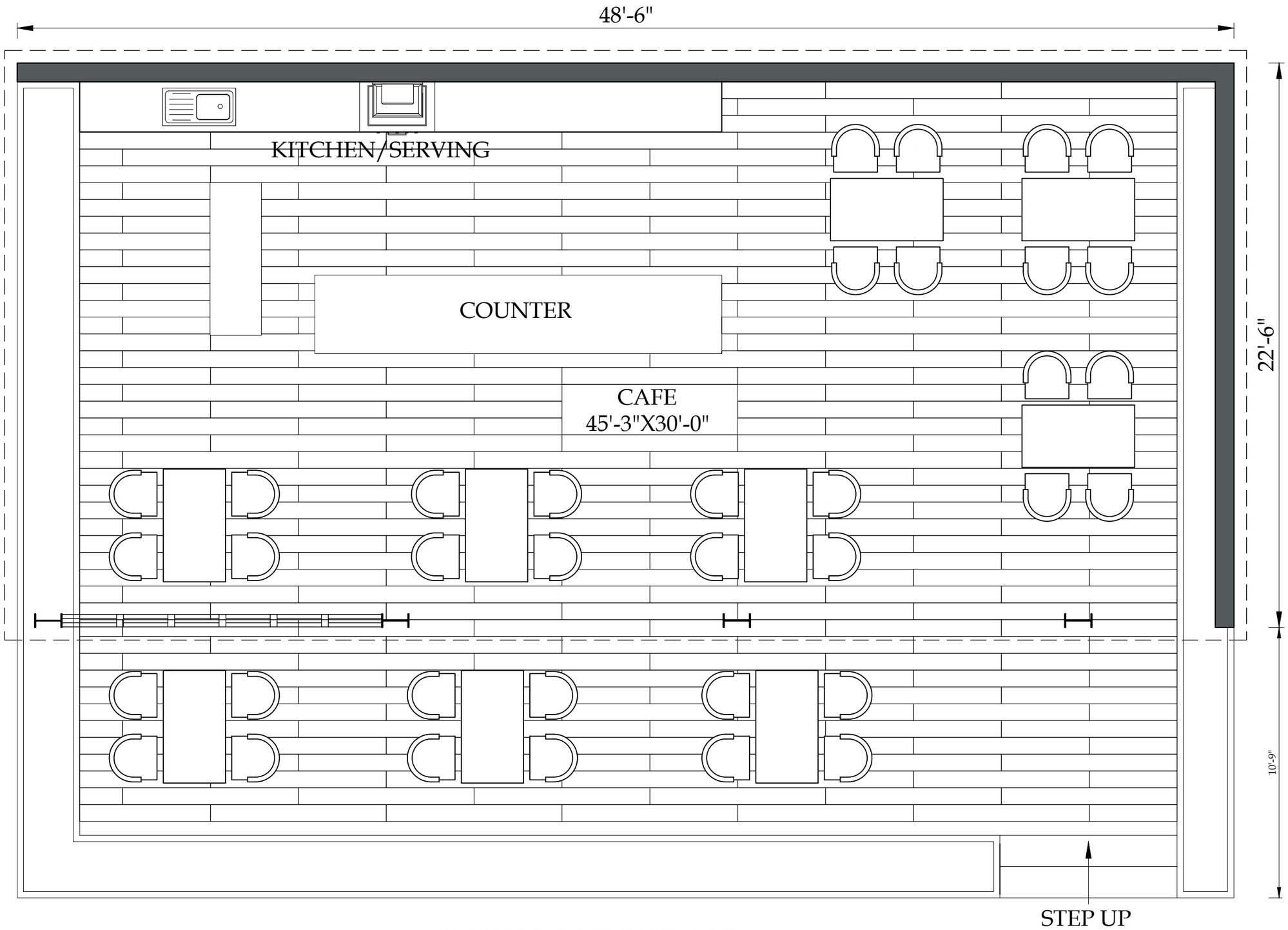
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

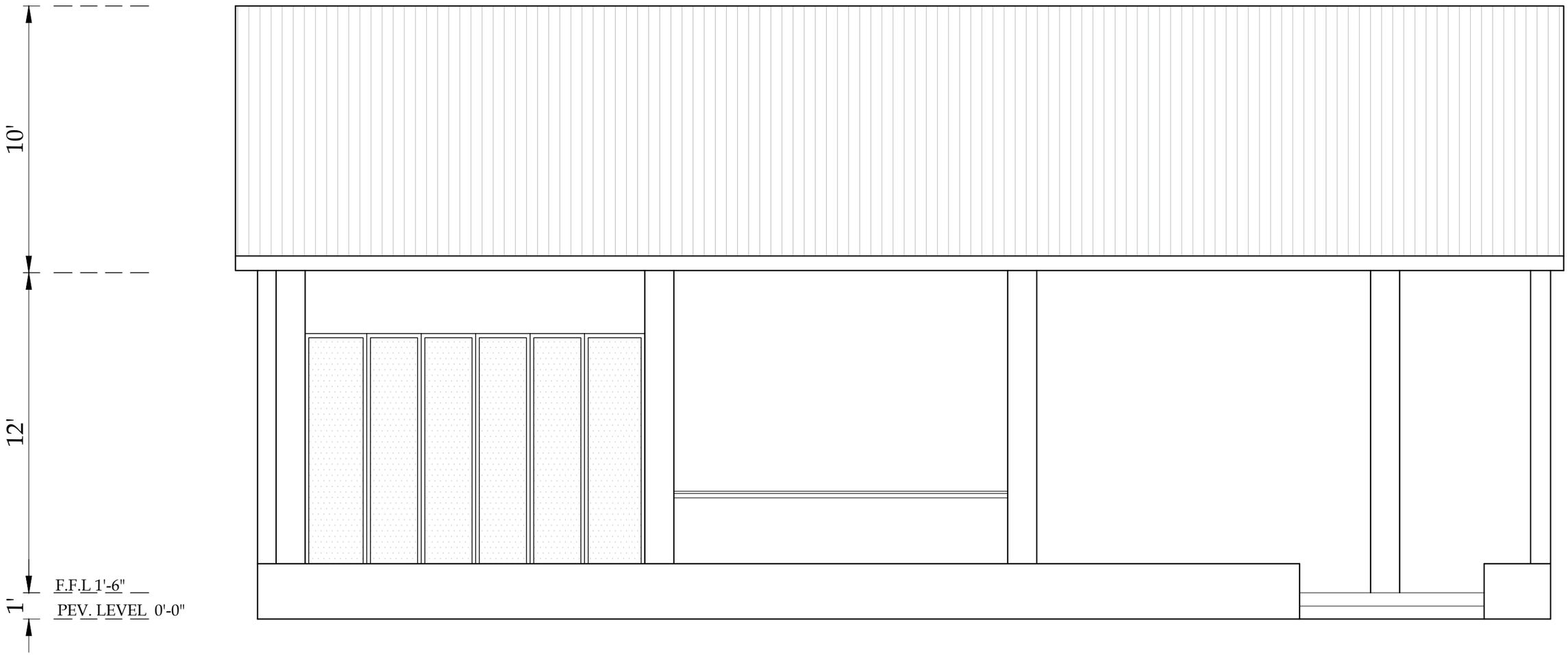
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# CAFE MAIN PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | CAFE MAIN PLAN | AR- 2301 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | CAFE ELEVATION | AR- 2302 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | | | | A3 | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

## ELEVATED CANOPY WALKWAY

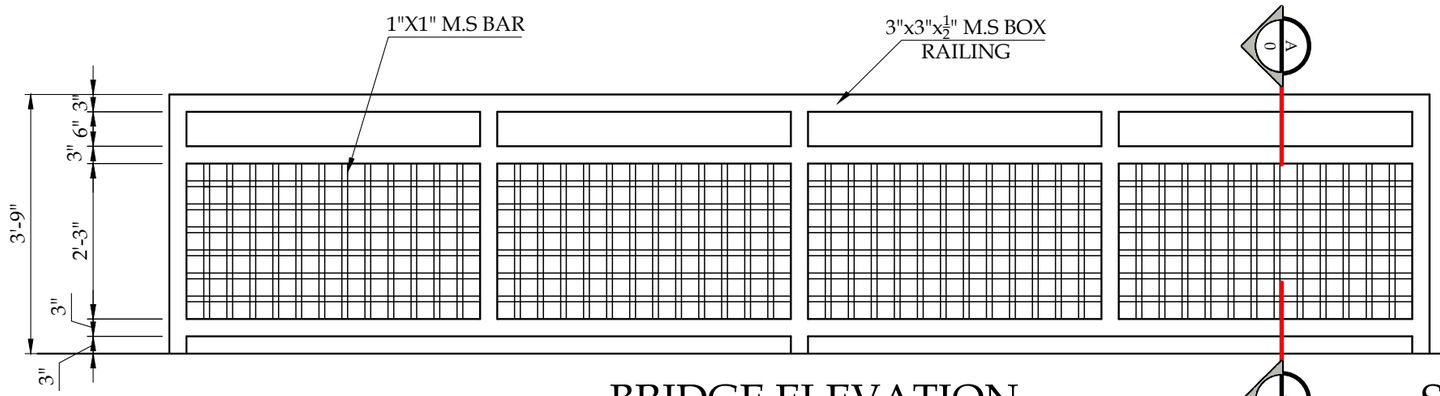
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

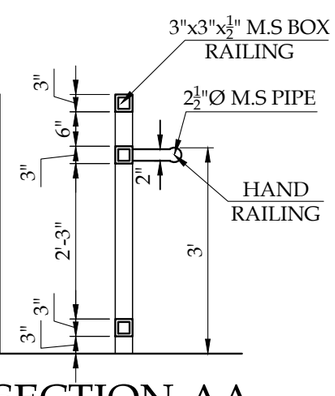
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



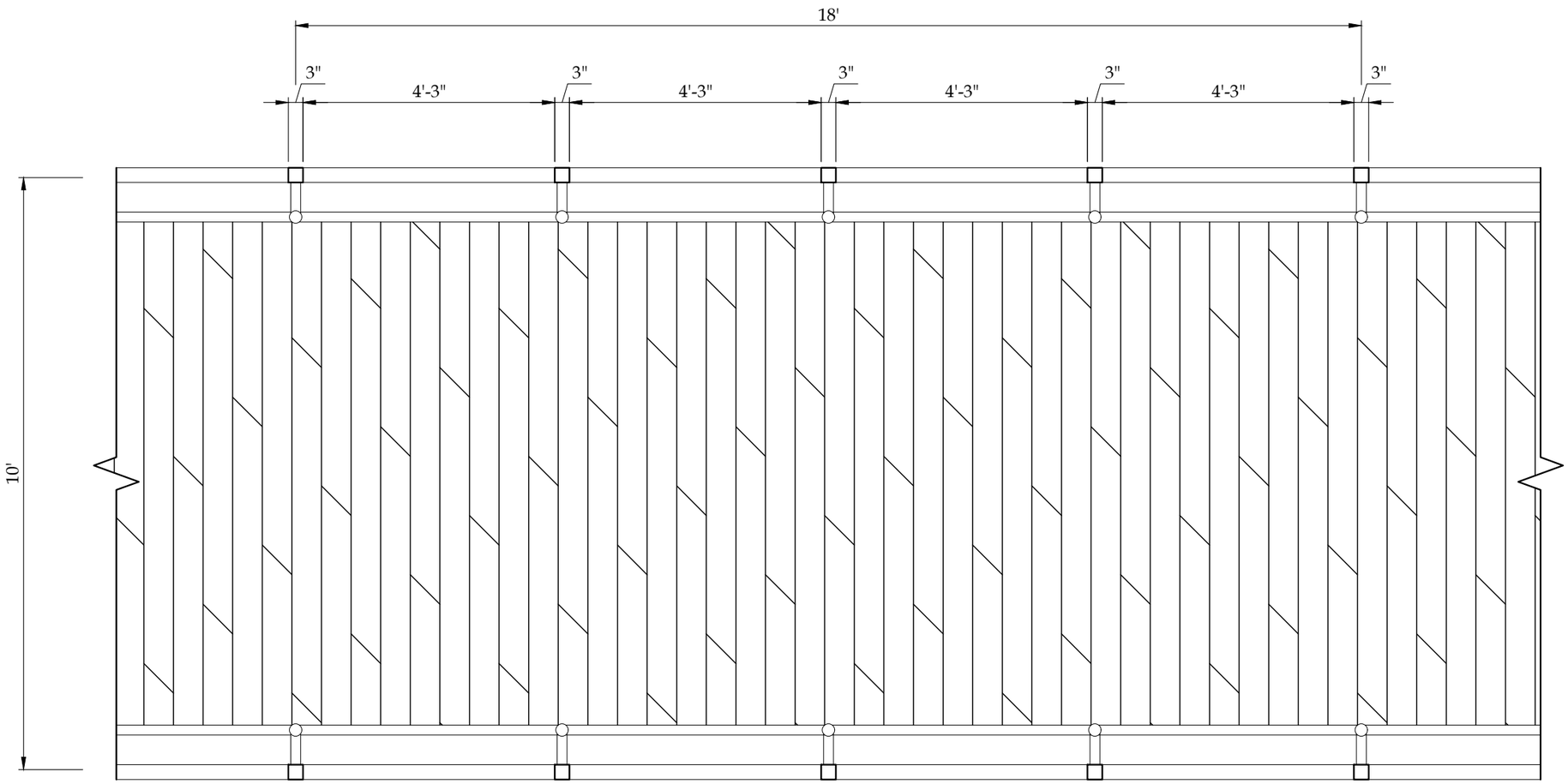

## BRIDGE ELEVATION

SCALE:- 3/8" = 1'-0"




## SECTION-AA

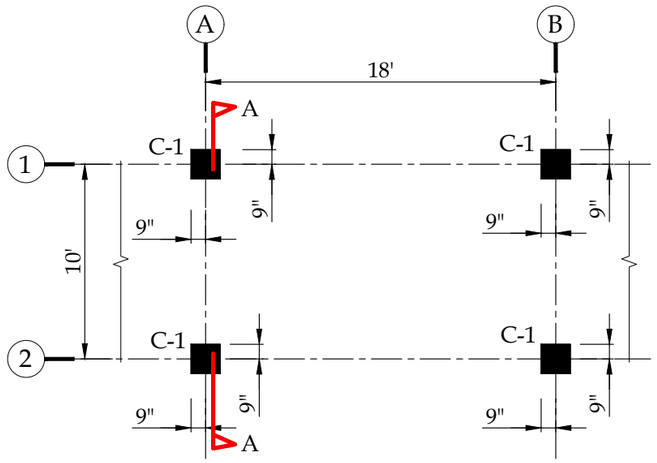
SCALE:- 3/8" = 1'-0"




## BRIDGE PLAN

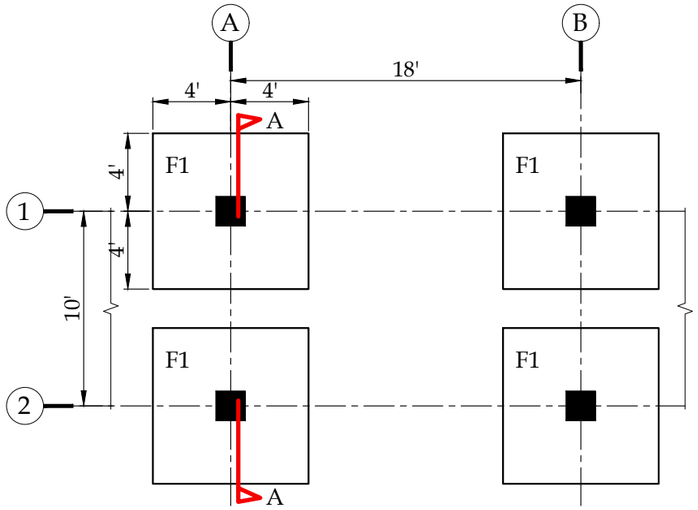
SCALE:- 3/8" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | BRIDGE PLAN & ELEVATION | AR- 2401 | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |



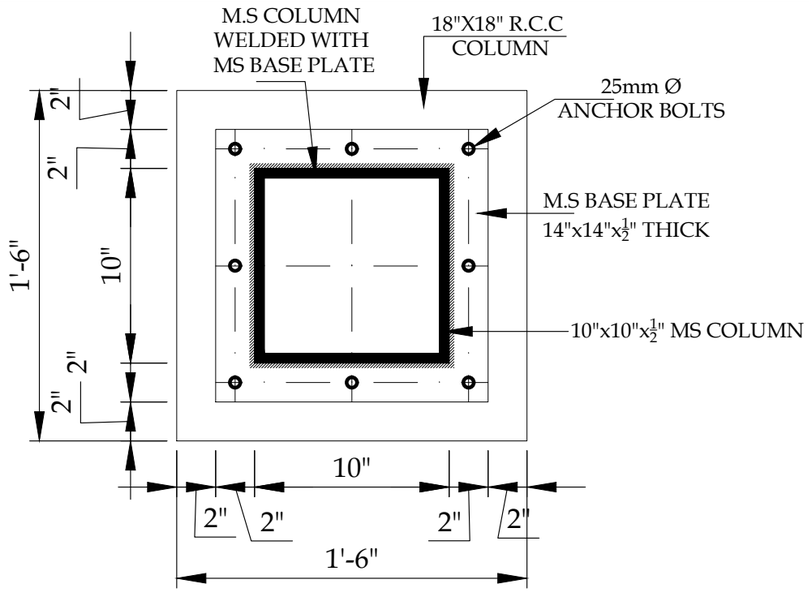

## COLUMNS LAYOUT PLAN

SCALE:- 1/8" = 1'-0"

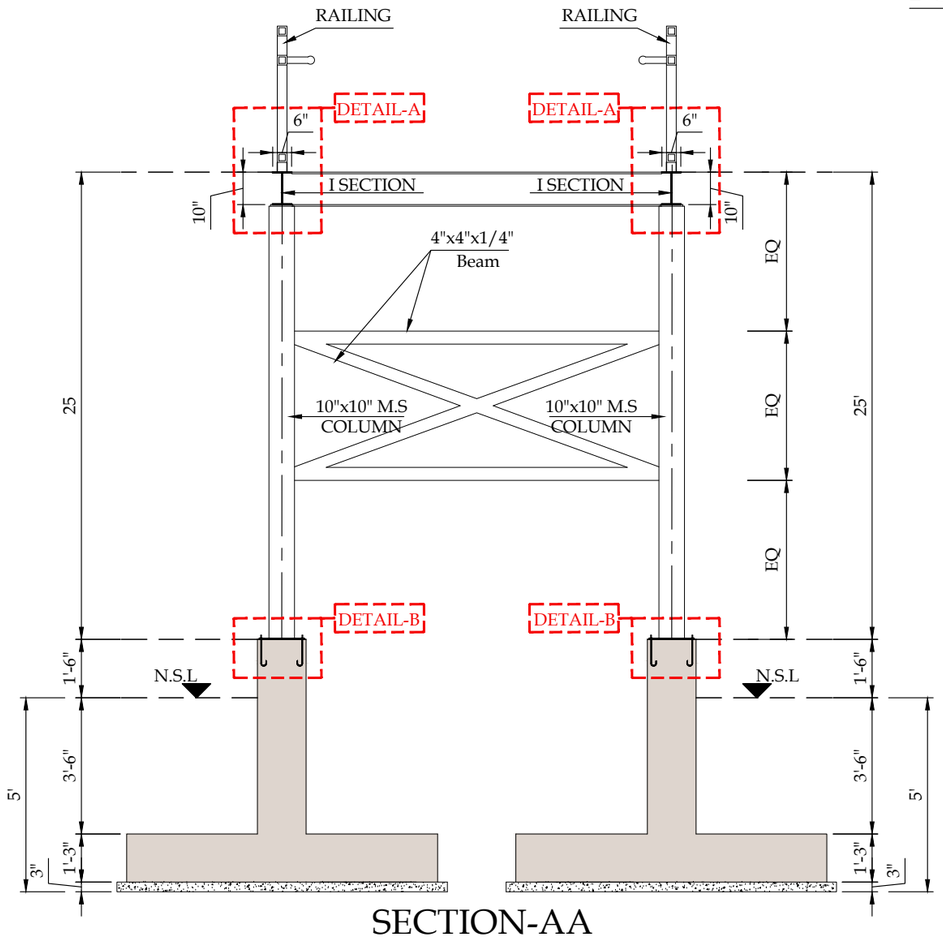



## FOUNDATION LAYOUT PLAN

SCALE:- 1/8" = 1'-0"

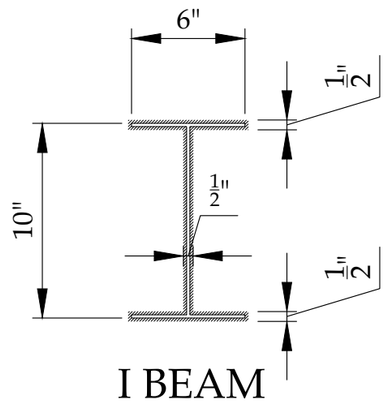



## M.S BASE PLATE DETAIL.B

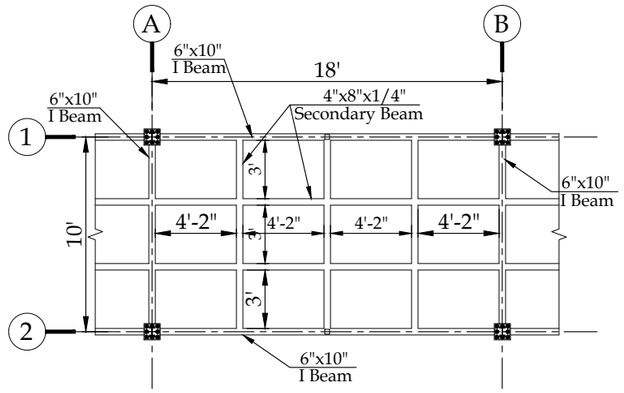



## SECTION-AA

SCALE:- 1/4" = 1'-0"




## I BEAM DETAIL-A




## BRIDGE PLAN

SCALE:- 1/8" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN | DRAWING TITLE: BRIDGE STRUCTURE DETAIL | DRAWING NO: AR- 2402 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: ZEESHAN ALI | | SCALE: | SHEET: A3 | | |
| | | | APPROVED BY: | | | | | |
| | | | DATE: NOVEMBER, 2024 | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

SITTING AREA

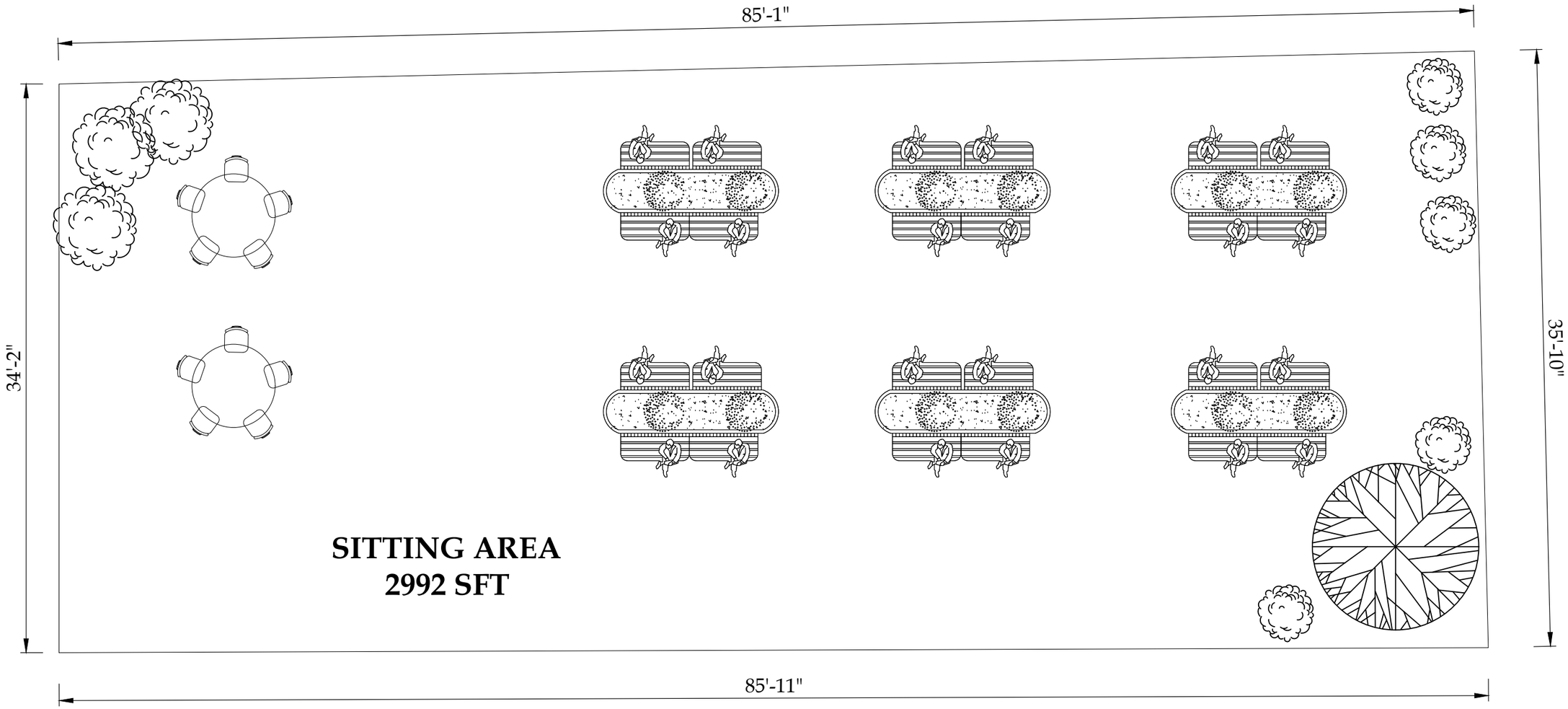
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




SITTING AREA PLAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | DRAWING TITLE: SITTING AREA PLAN | DRAWING NO: AR-2501 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | |
| | | | APPROVED BY: | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

MEDICAL CENTER

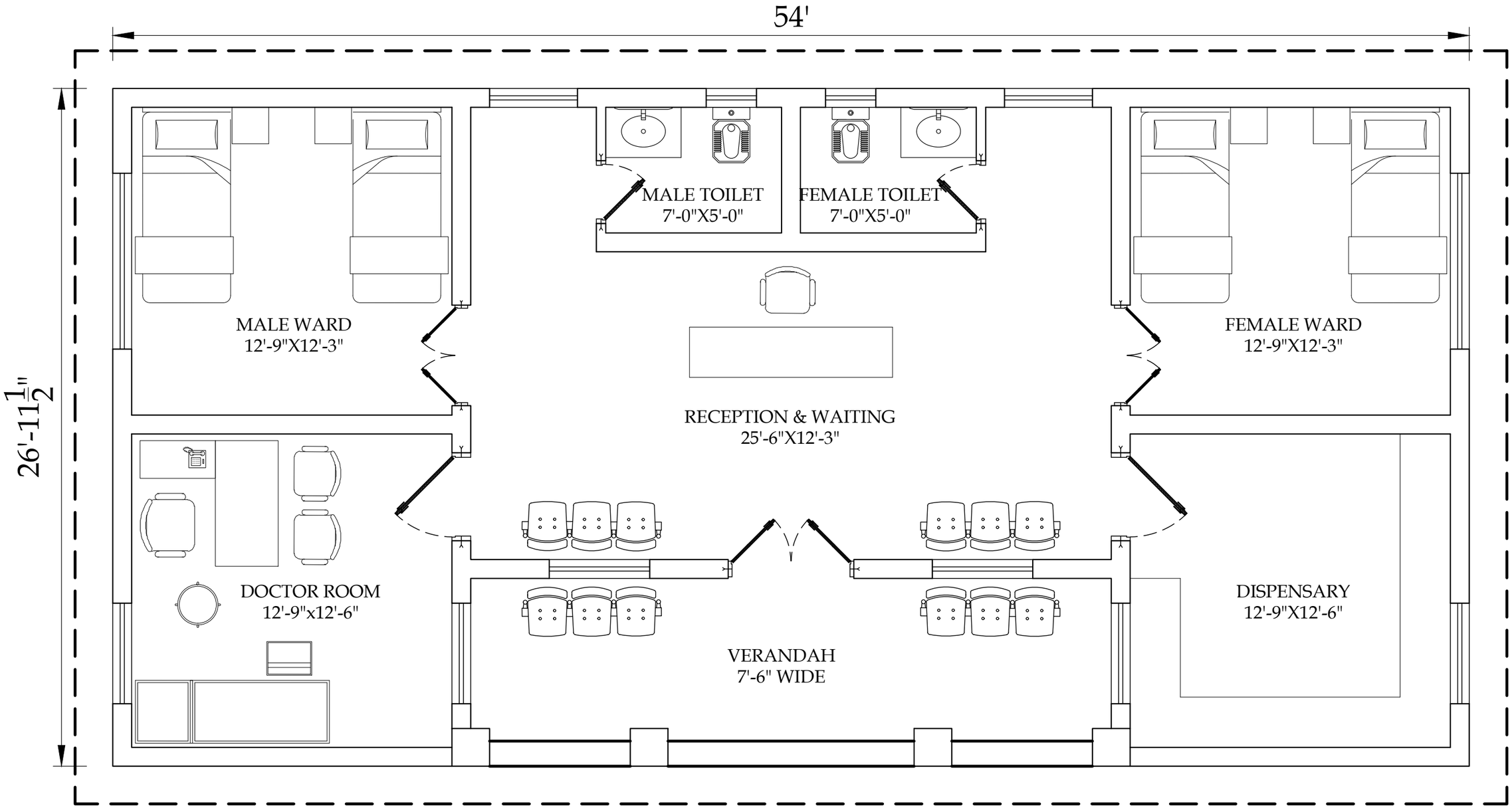
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

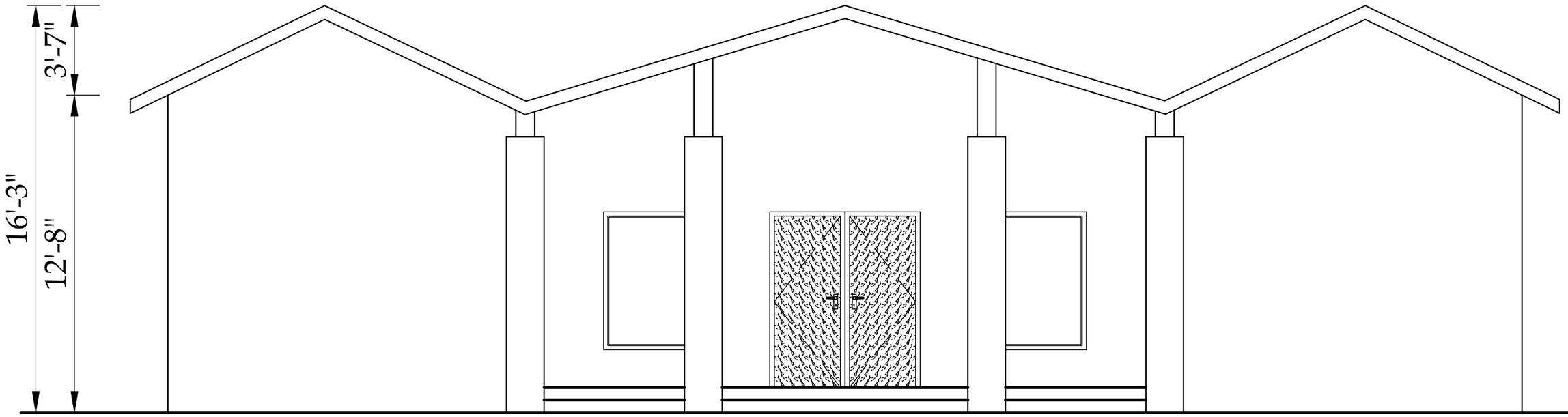
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# GROUND FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | GROUND FLOOR PLAN | AR-2601 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# FRONT ELEVATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN | **DRAWING TITLE:** FRONT ELEVATION | **DRAWING NO:** AR-2602 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: | | | | | |
| | | | DATE: NOVEMBER, 2024 | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

ECO-TOURISUM GATE

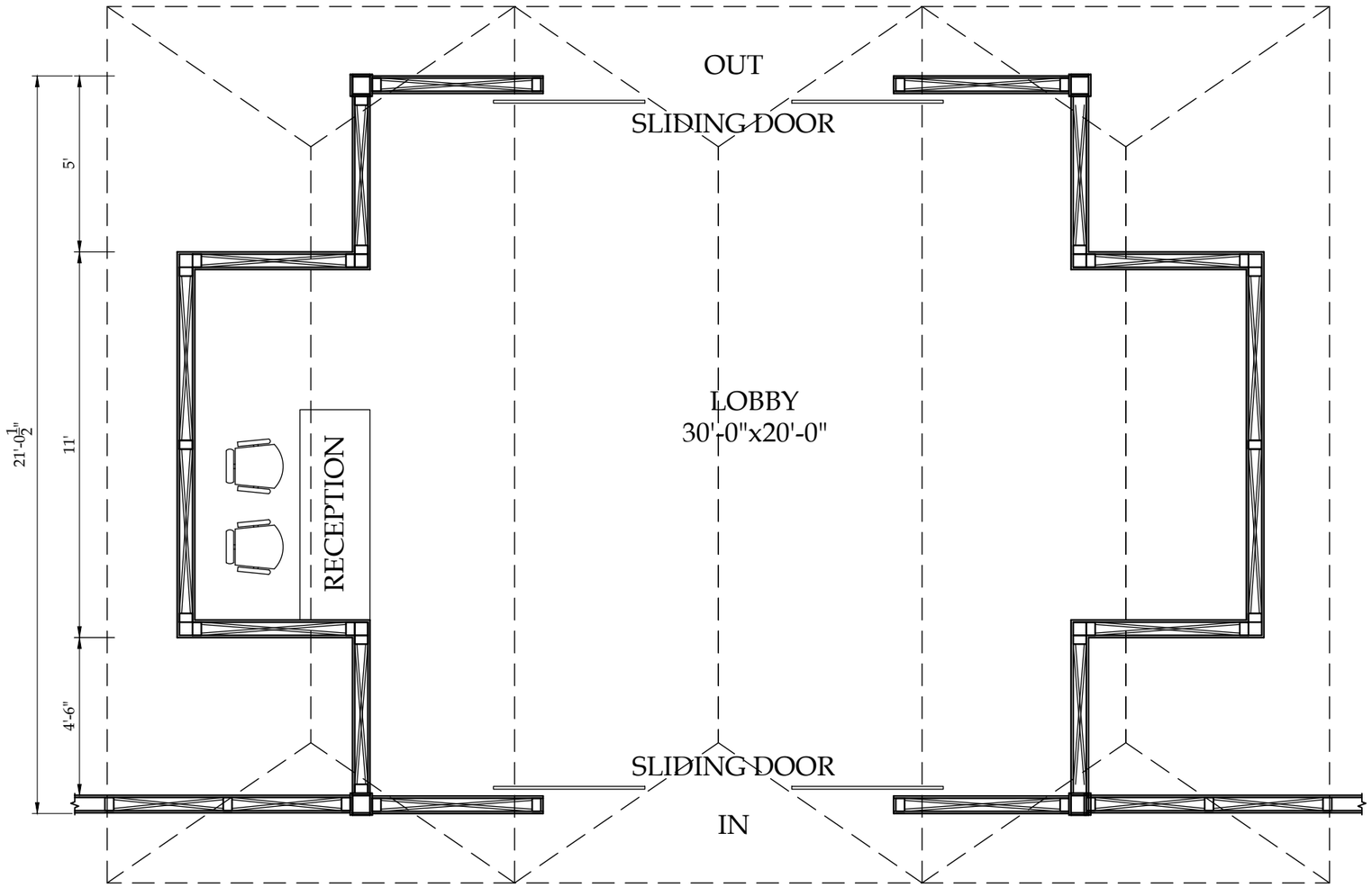
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

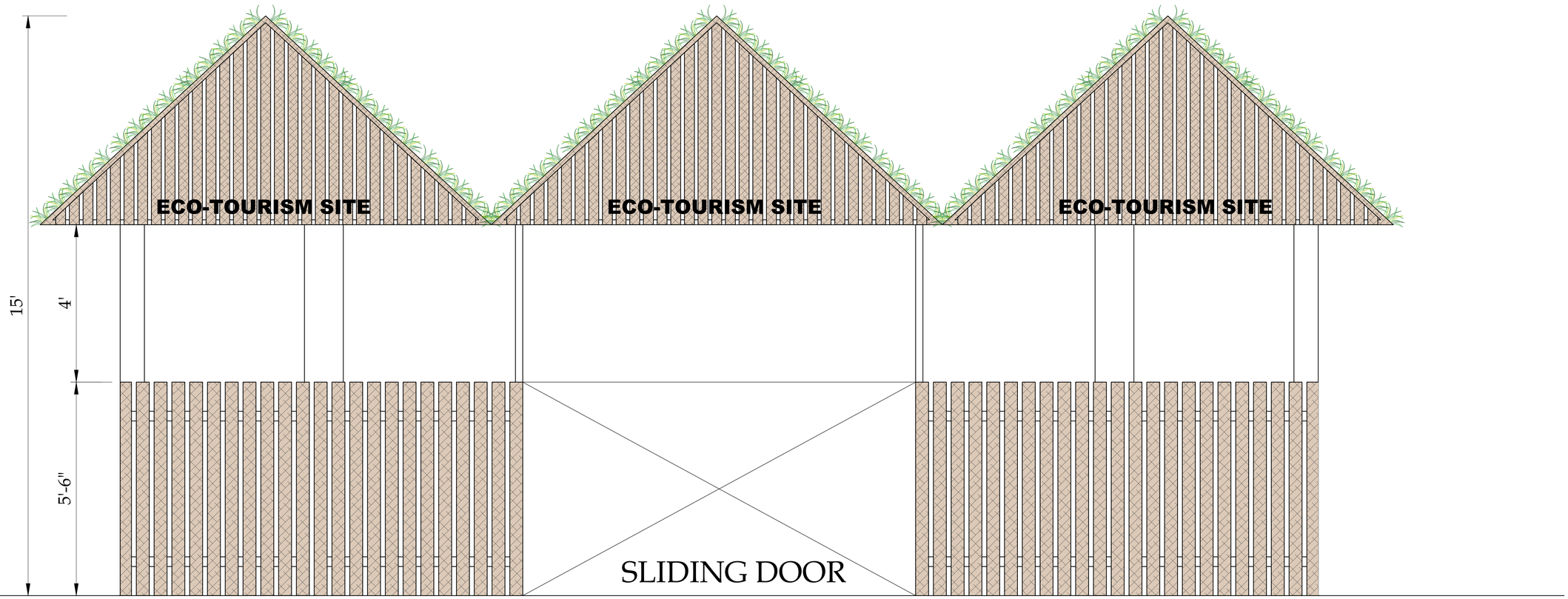
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




ECO-TOURISUM GATE PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ECO-TOURISUM GATE PLAN | AR- 2701 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | **DRAWING TITLE:** ECO-TOURISUM GATE ELEVATION | **DRAWING NO:** AR- 2702 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | | | | **SCALE:** | **SHEET:** A3 | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

CAR PARKING FOR EVE

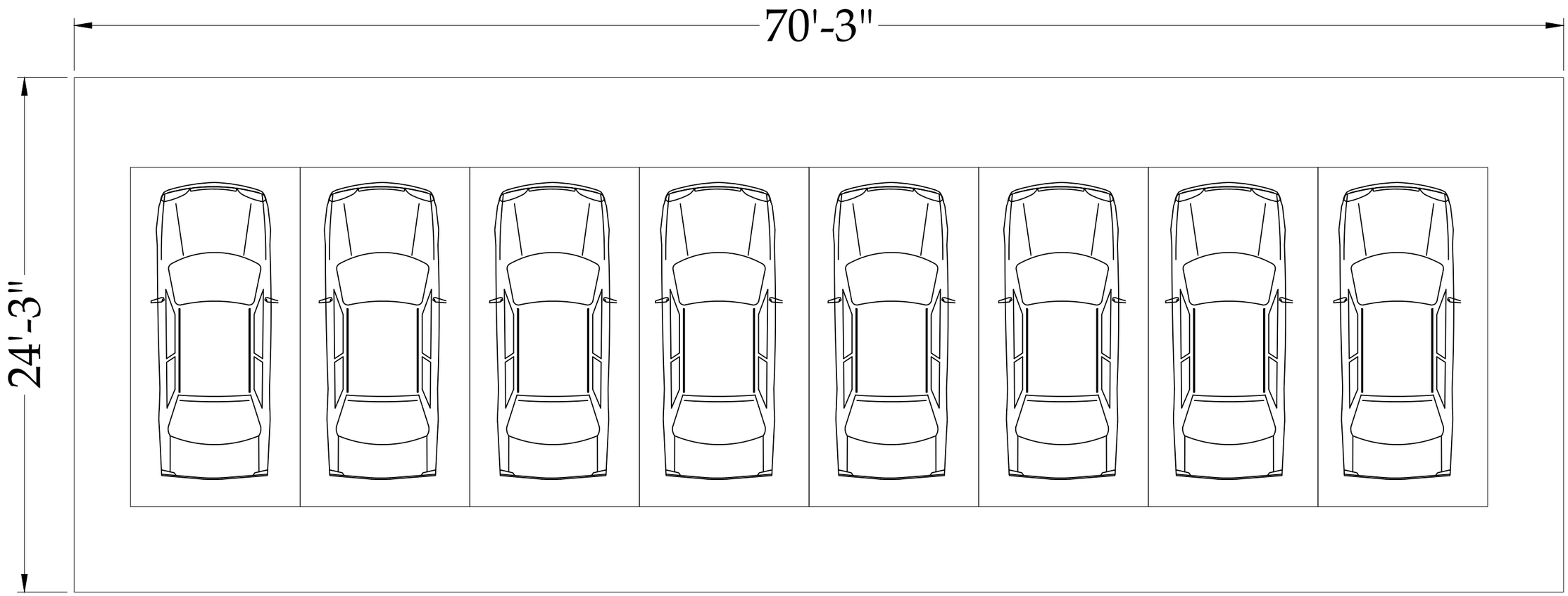
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# CAR PARKING FOR EVE

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | **DRAWING TITLE:** CAR PARKING PLAN | **DRAWING NO:** AR- 2801 | | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | **SCALE:** | **SHEET:** A3 | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

## CORPORATE MEETING HALL

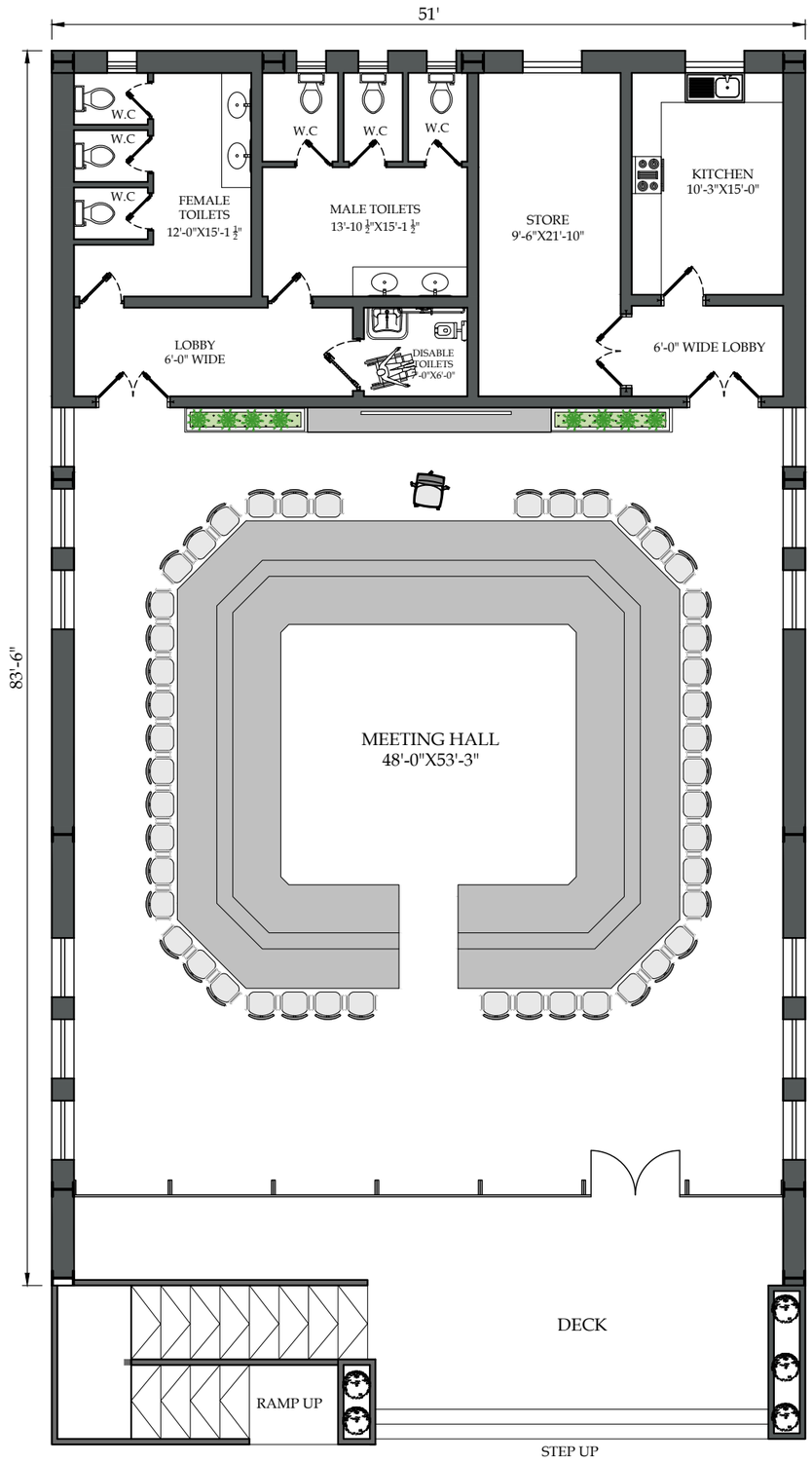
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

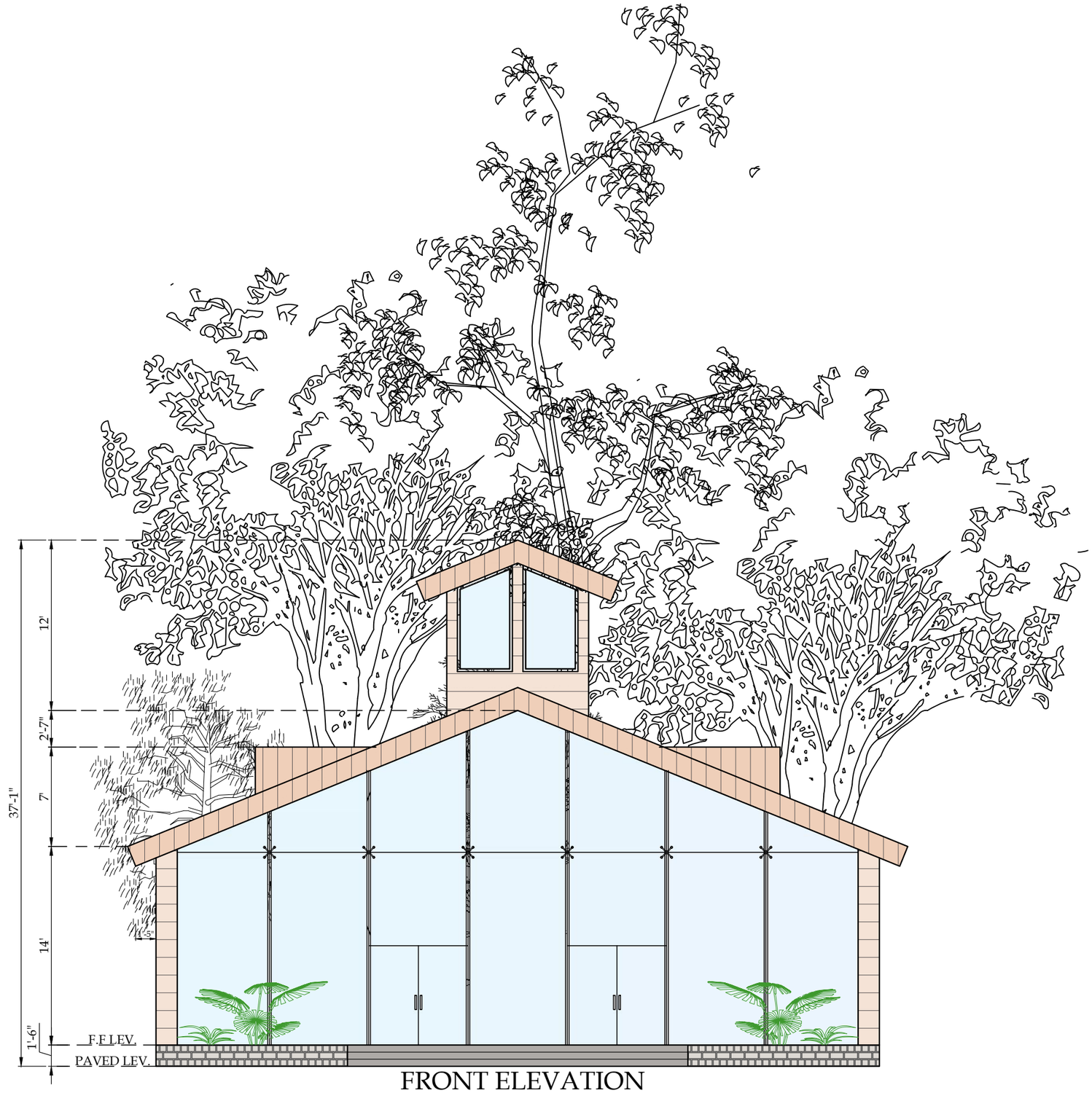
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




GROUND FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | GROUND FLOOR PLAN | AR- 2901 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# FRONT ELEVATION

SCALE:- 1/8" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | FRONT ELEVATION | AR- 2902 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | A3 | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

FLOATING RESTURANT

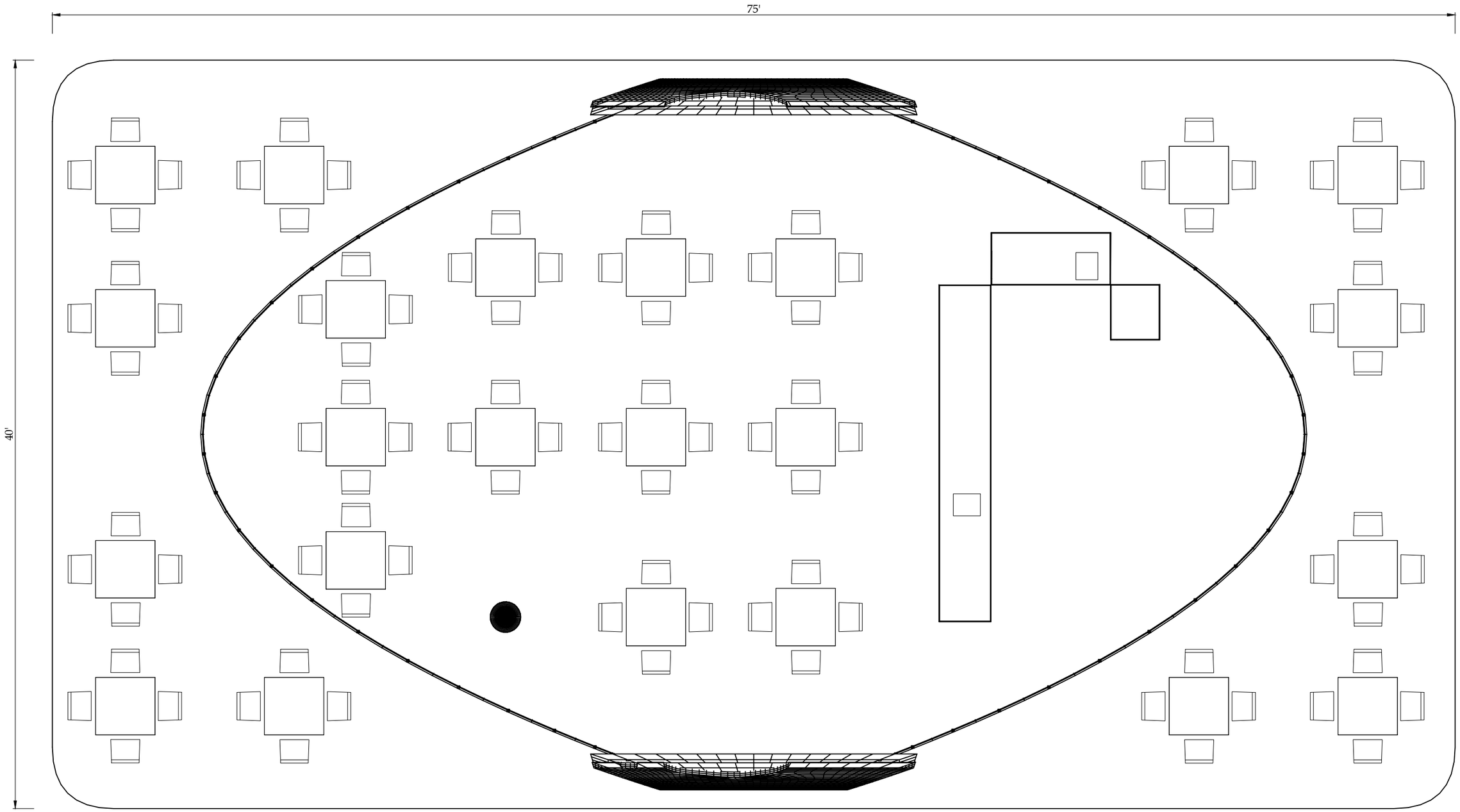
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

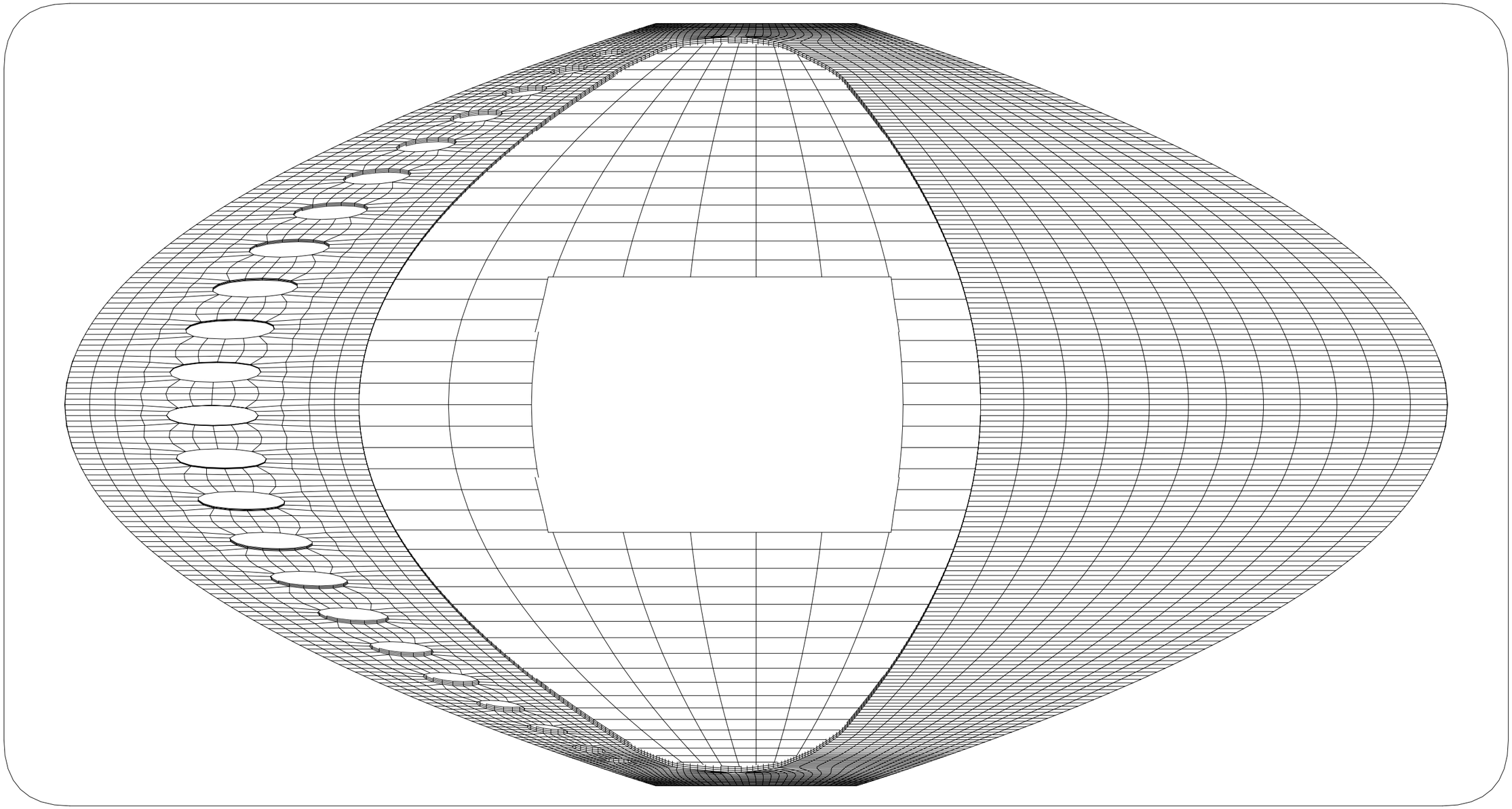
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

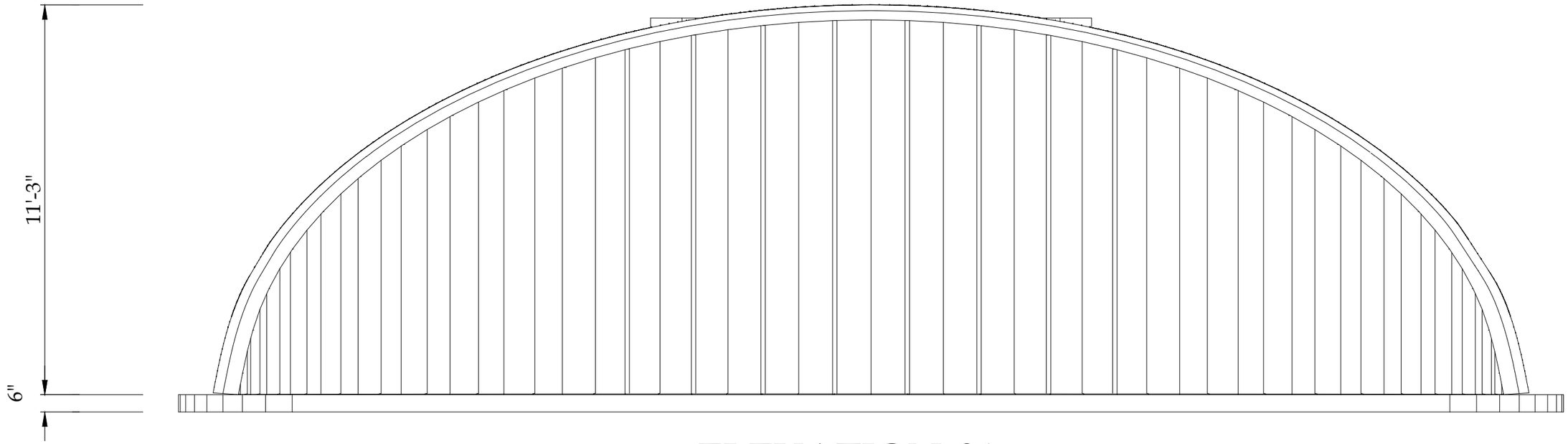



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | **DRAWING TITLE:** GROUND FLOOR PLAN | **DRAWING NO:** AR- 3001 | | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |

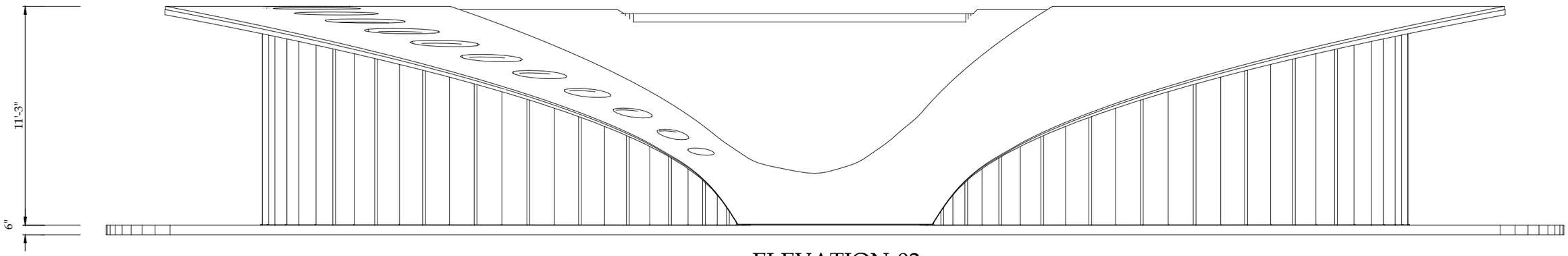


# FLOATING RESTURANT ROOF PLAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** ROOF PLAN | **DRAWING NO:** AR-3002 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | |




ELEVATION-01




ELEVATION-02

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** ELEVATION | **DRAWING NO:** AR-3003 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

## ECO-LODGE SINGLE BED

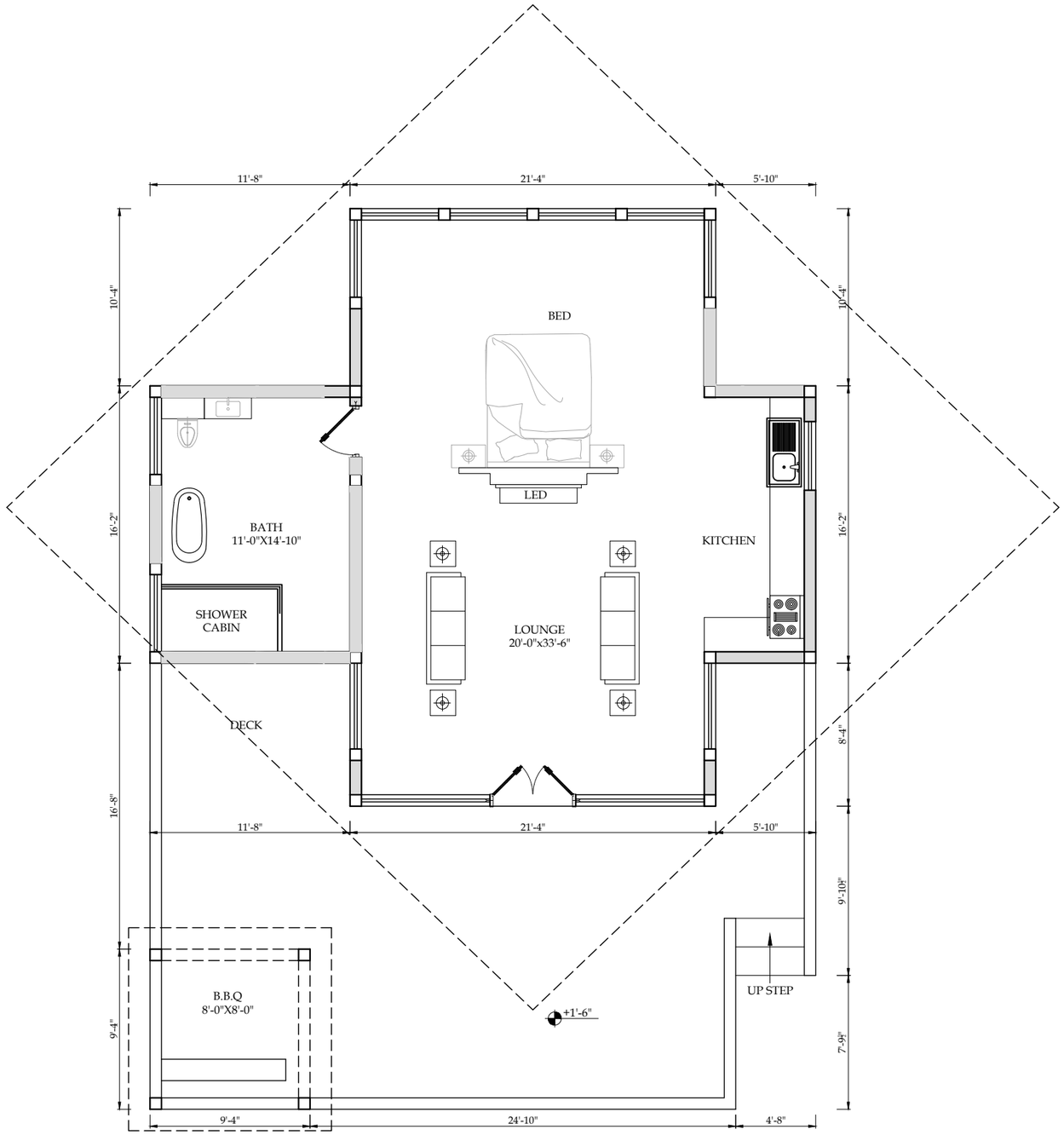
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

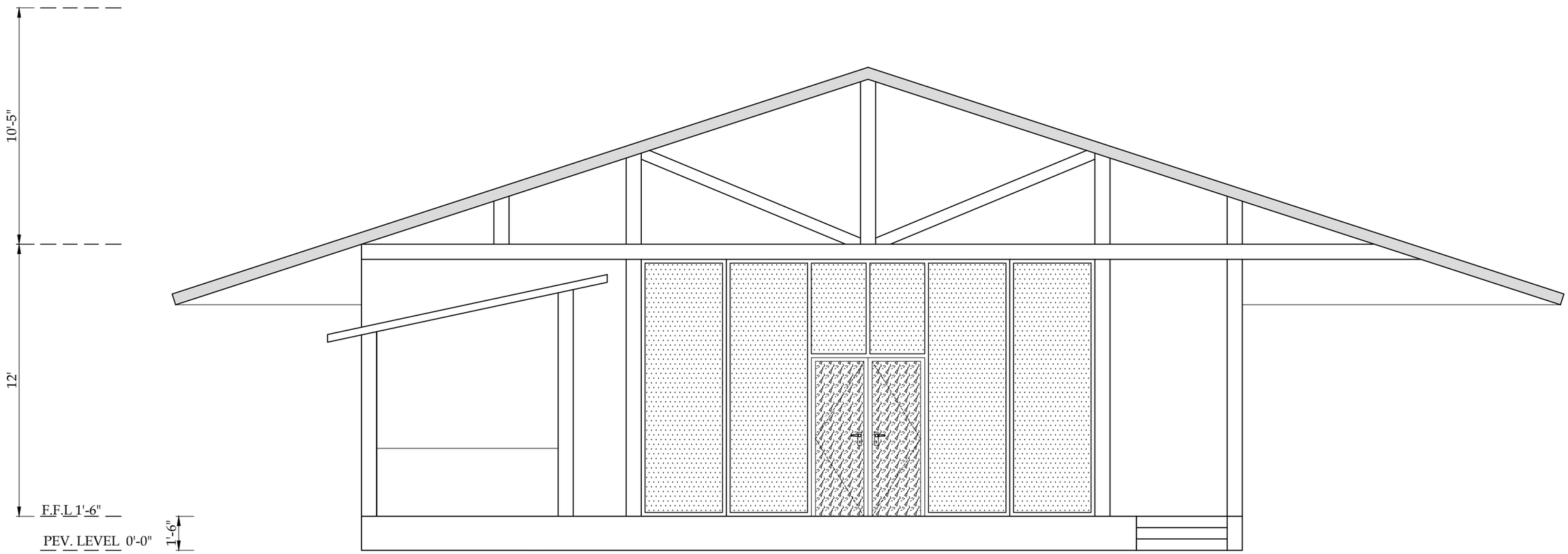
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




ECOLODGE MAIN PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ECO-LODGE MAIN PLAN | AR- 3101 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# ELEVATION - A

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | ELEVATION-A | AR- 3102 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

ECO-LODGE DOUBLE BED

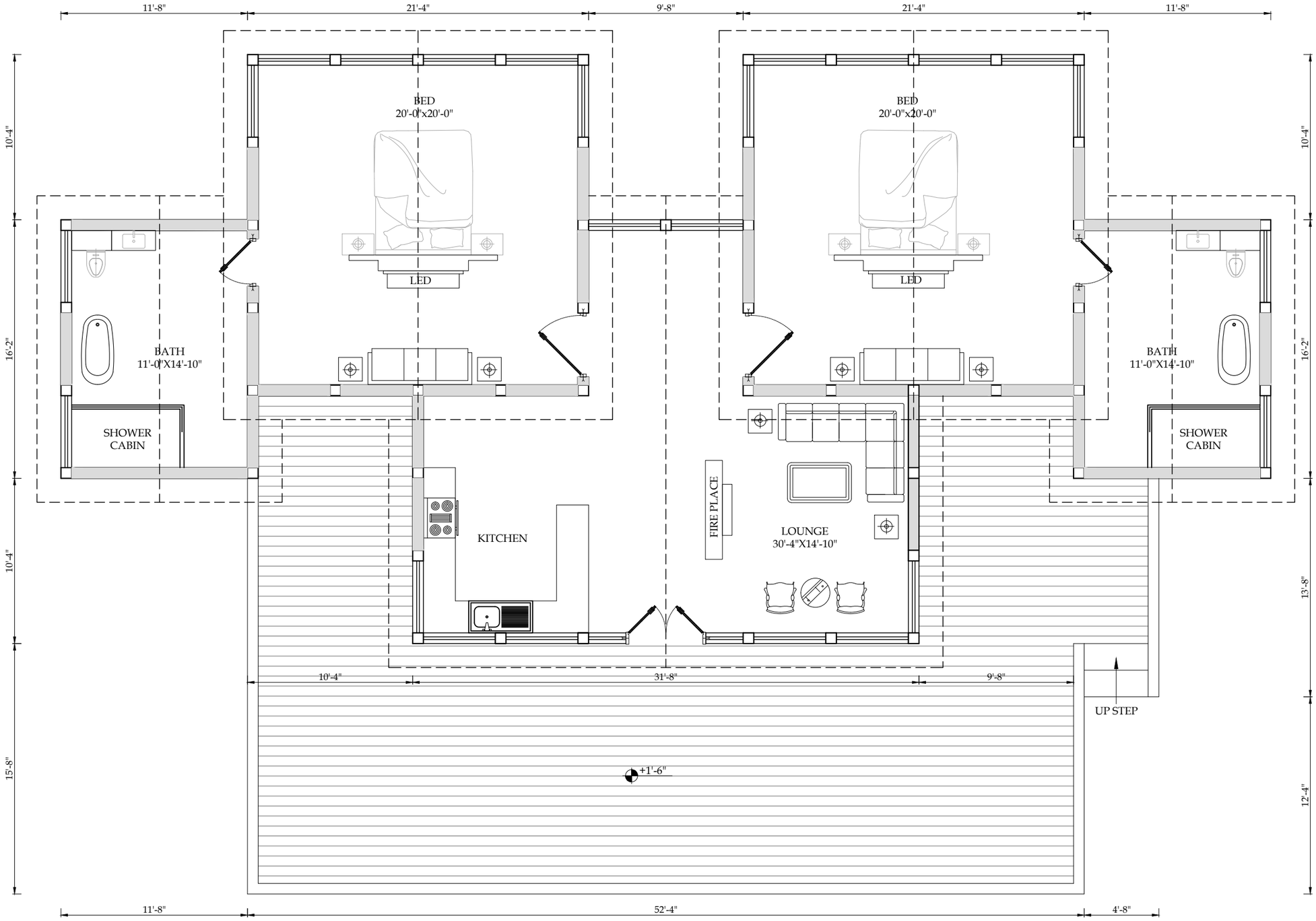
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

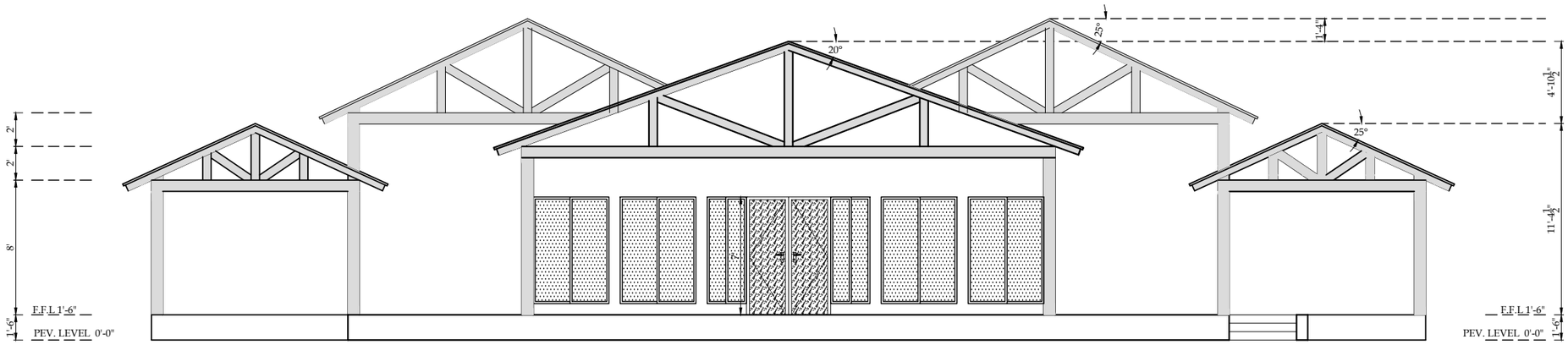
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# ECOLODGE MAIN PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ECO-LODGE MAIN PLAN | AR- 3201 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | A3 | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




ELEVATION - A

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | ELEVATION - A | AR- 3202 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

ECO TOURISM CLUB

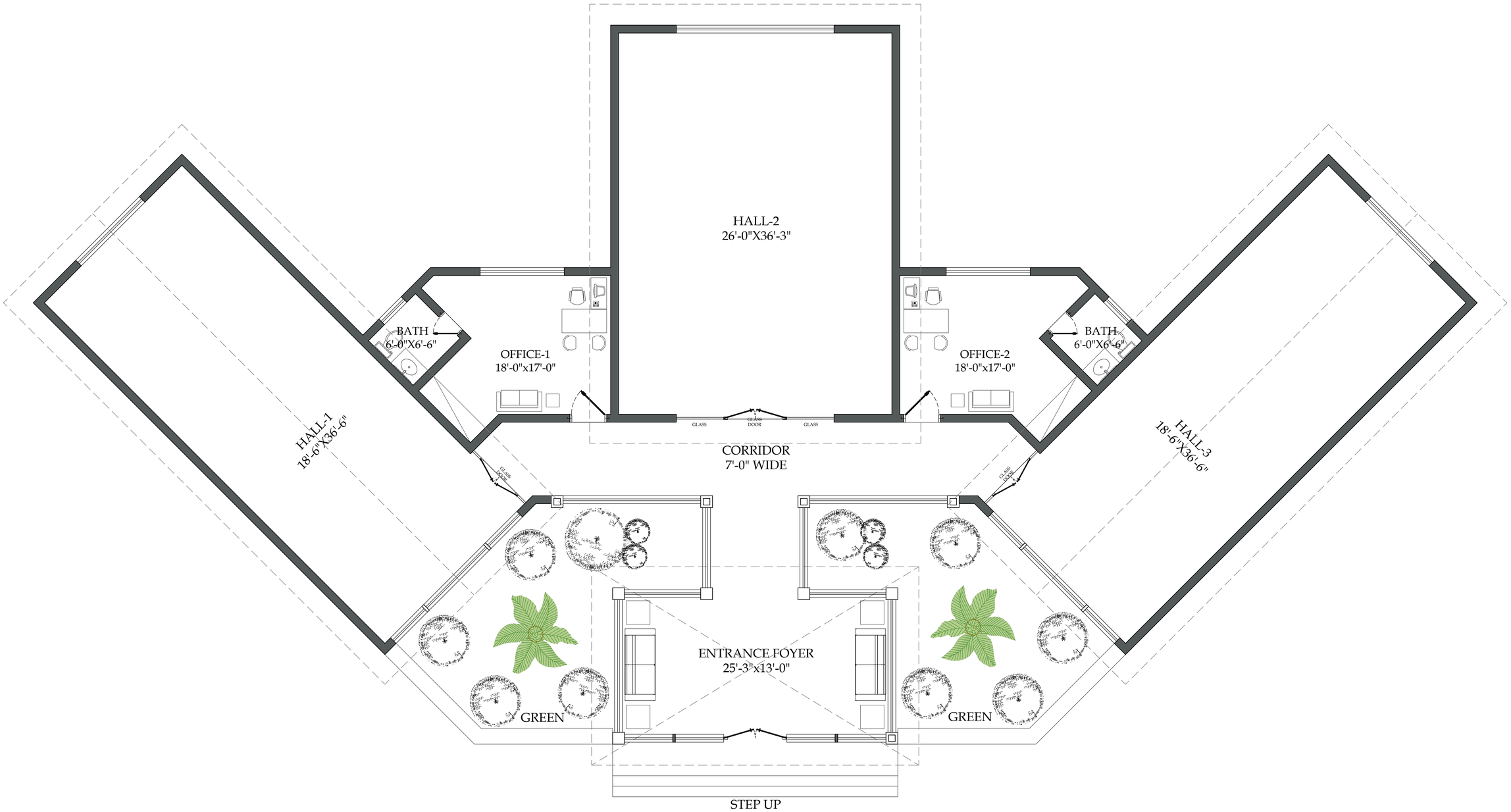
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# GROUND FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | GROUND FLOOR PLAN | AR- 3301 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |

# FRONT ELEVATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** FRONT ELEVATION | **DRAWING NO:** AR- 3302 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## GLAMPING POD

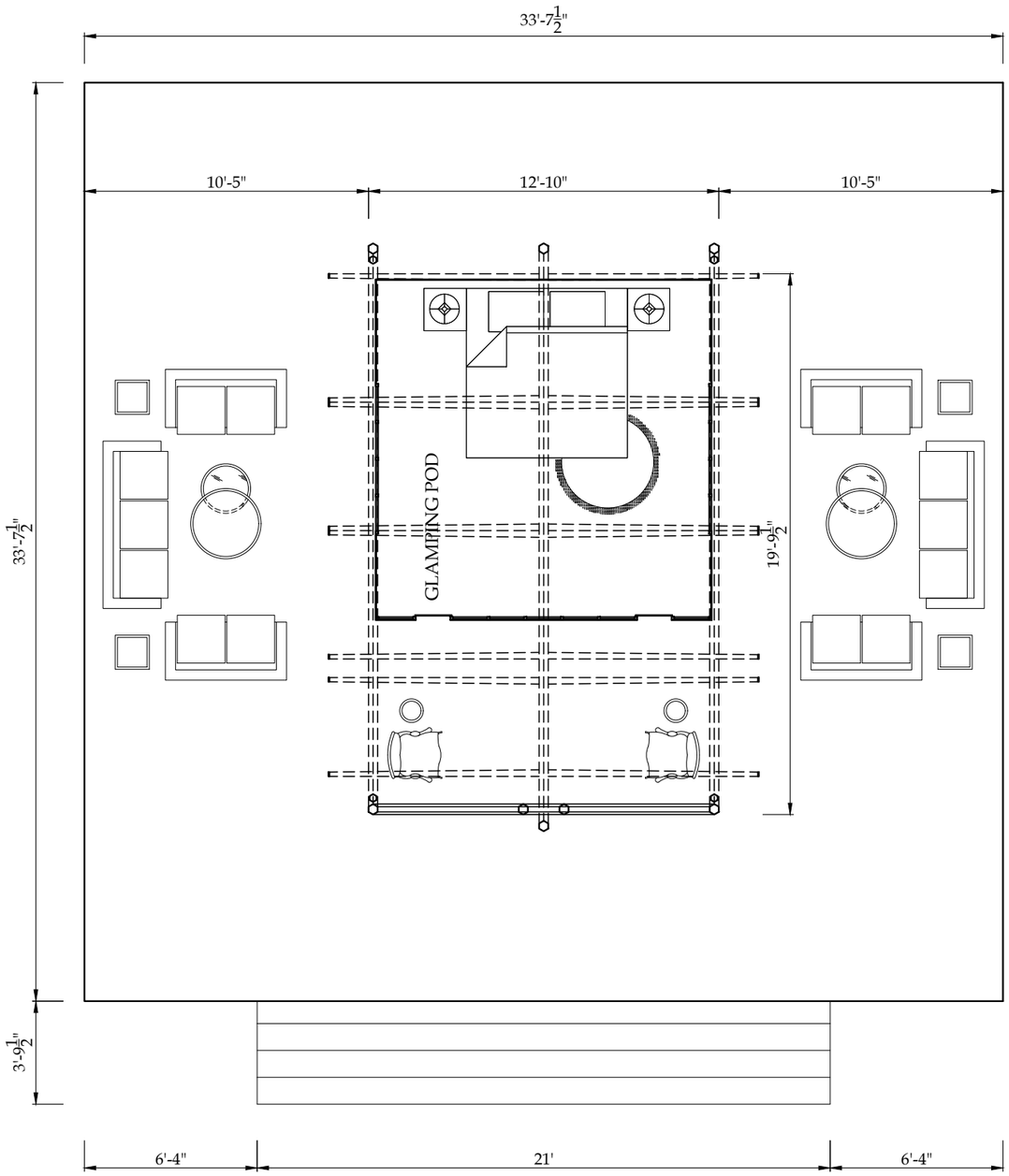
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

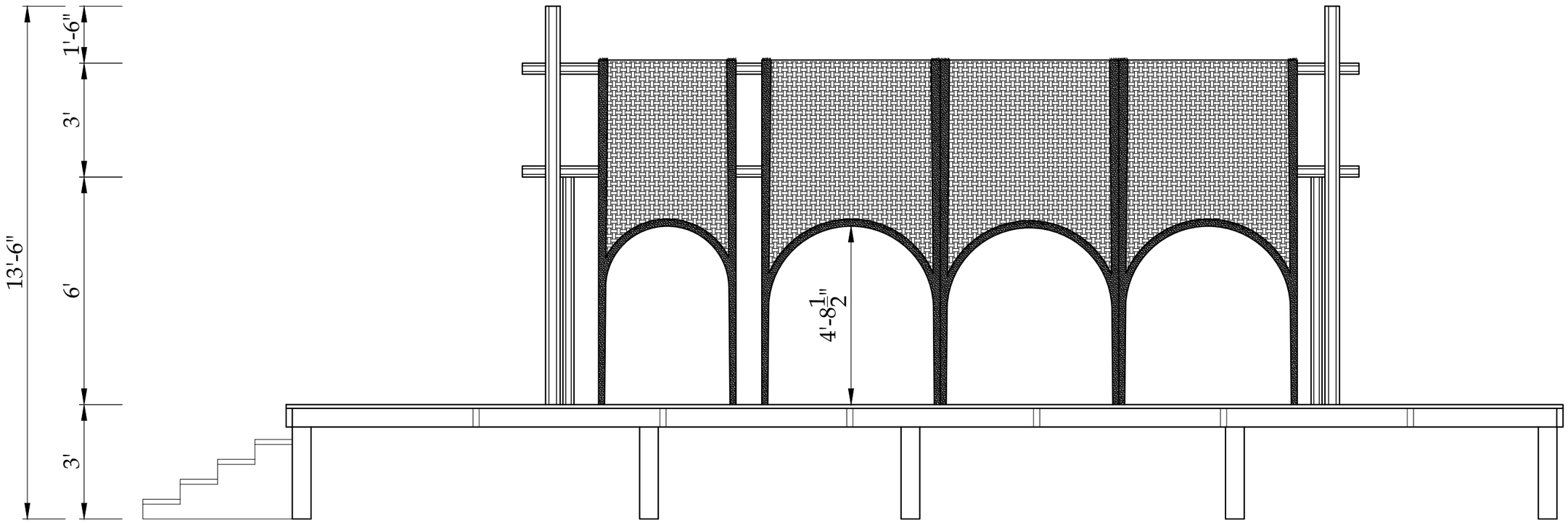
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# GROUND FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | GALAMPING POD MAIN PLAN | AR- 3401 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | | | | A3 | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# SIDE ELEVATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN | **DRAWING TITLE:** GALAMPING POD ELEVATION | **DRAWING NO:** AR-3402 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: | | | | | |
| | | | DATE: NOVEMBER, 2024 | | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## GLAMPING POD DOUBLE BED

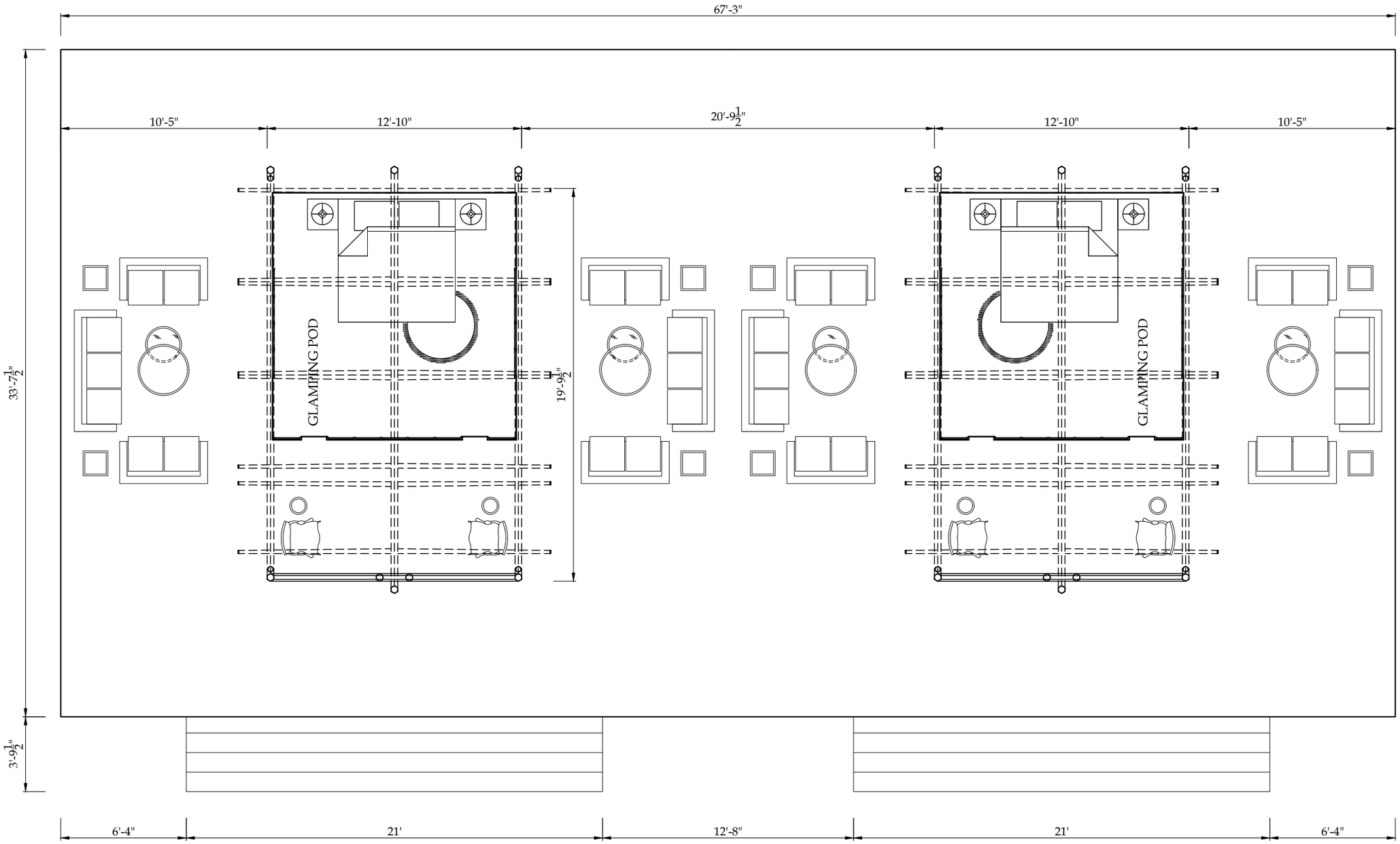
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

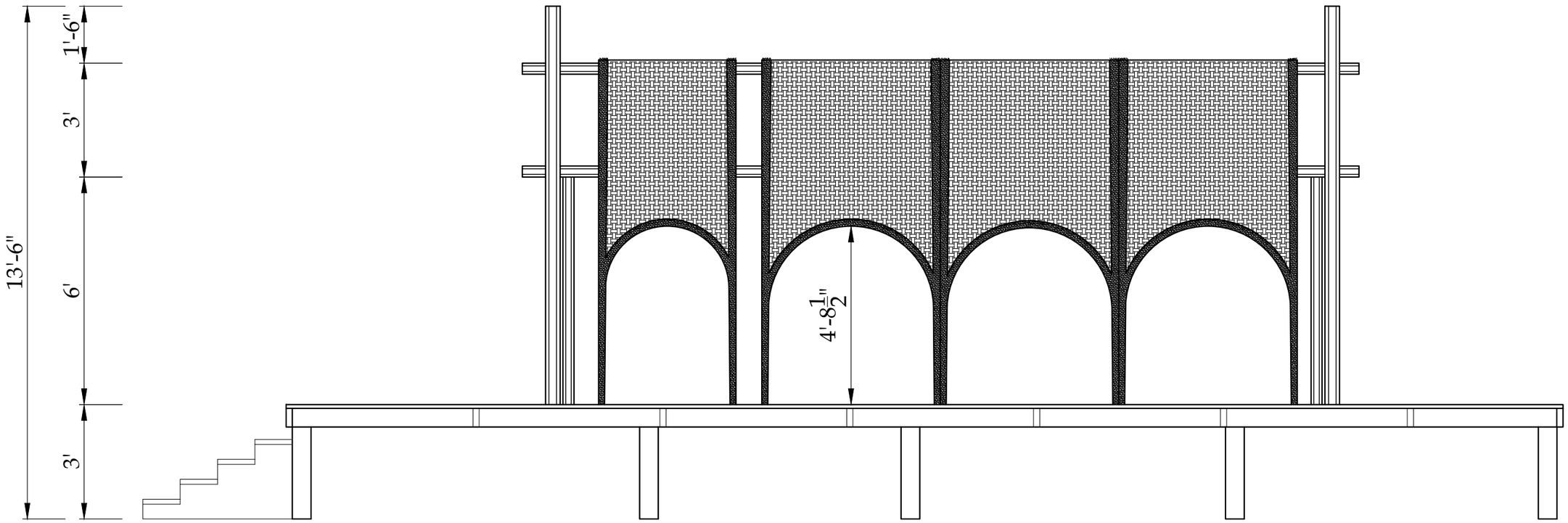
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# GROUND FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | GALAMPING POD DOUBLE BED MAIN PLAN | AR- 3501 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | |




# SIDE ELEVATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN | **DRAWING TITLE:** GALAMPING POD DOUBLE BED ELEVATION | **DRAWING NO:** AR- 3502 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: | | | | | |
| | | | DATE: NOVEMBER, 2024 | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

**PROJECT**

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA

ADMIN BLOCK

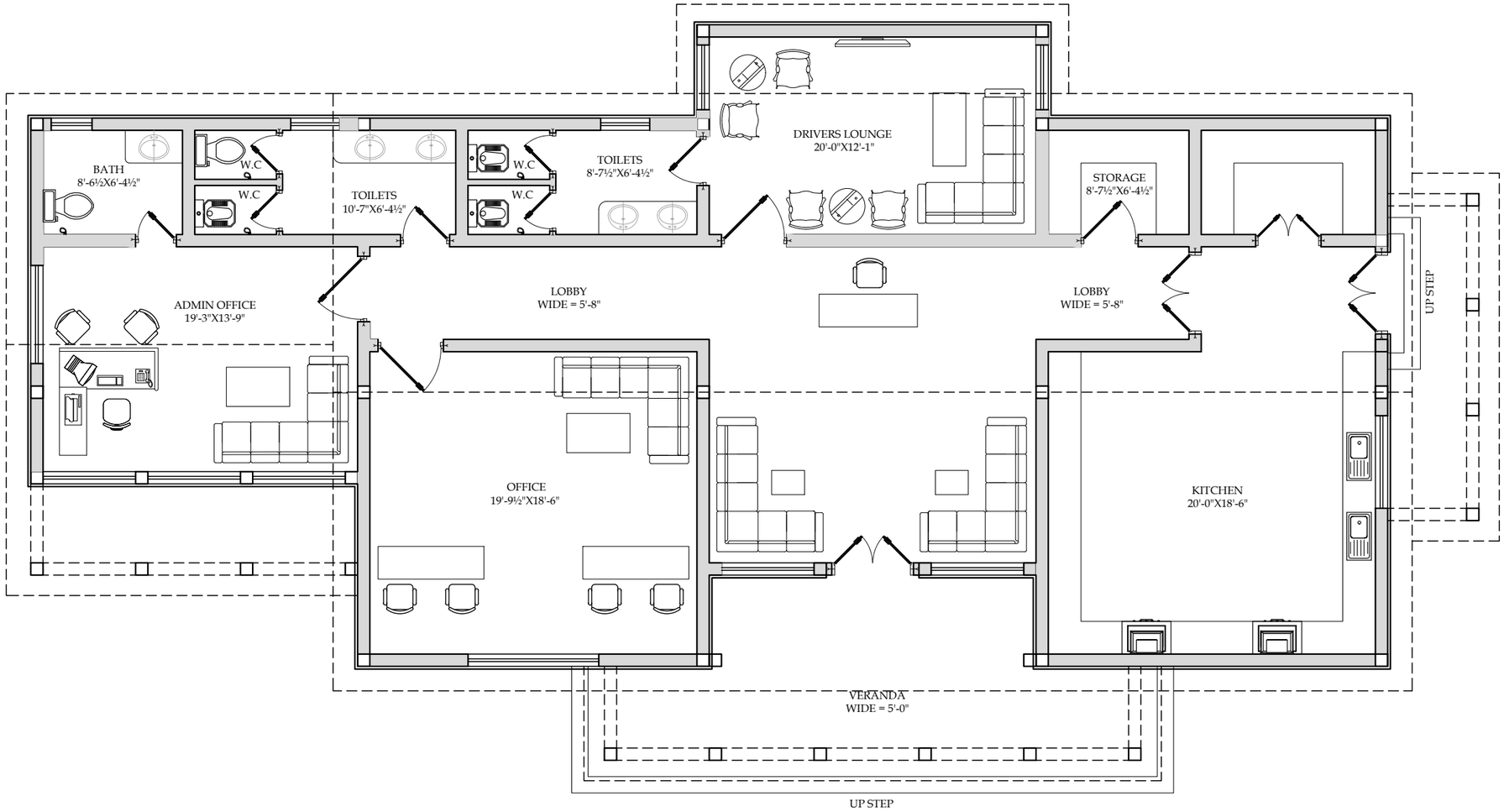
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

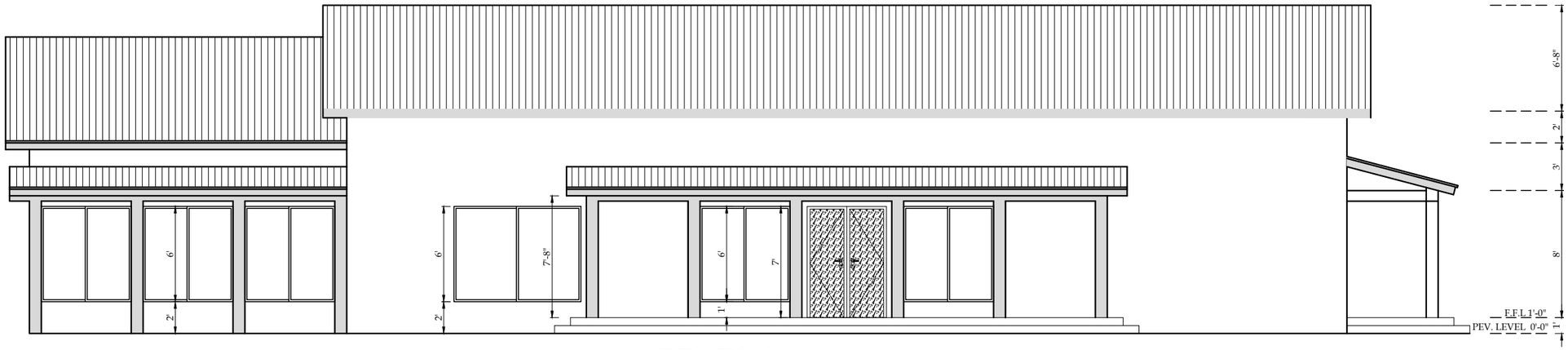
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

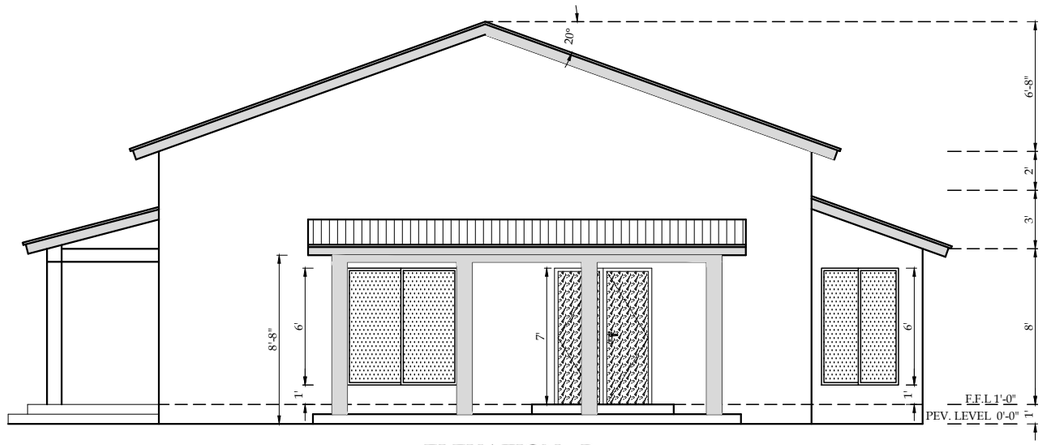



ADMIN BLOCK MAIN PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | ADMIN BLOCK MAIN PLAN | AR- 3601 | | | | | |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | ZEESHAN ALI | | | | | | | | |
| | | | APPROVED BY: | | | | | | | | | |
| | | | DATE: | NOVEMBER, 2024 | | | | | | | | |




ELEVATION - A




ELEVATION - B

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN | **DRAWING TITLE:** ELEVATION - A & B | **DRAWING NO:** AR- 3602 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: MIR SHEHREYAR | | | | | |
| | | | CHECKED BY: ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: | | | | | |
| | | | DATE: NOVEMBER, 2024 | | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

# FOR PC-1

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# LIST OF DRAWINGS

| S.No | Drawings Name | Drawing no. | Remarks |
|---|---|---|---|
| 01 | LIST OF DRAWINGS | AR-101 | |
| 02 | INFORMATION CENTER (LAYOUT PLAN) | AR-102 | |
| 03 | INFORMATION CENTER (ROOF PLAN) | AR-103 | |
| 04 | INFORMATION CENTER (ELEVATION) | AR-104 | |
| 05 | ECO-LODGE (GROUND FLOOR PLAN) | AR-201 | |
| 06 | ECO-LODGE (FIRST FLOOR PLAN) | AR-202 | |
| 07 | ECO-LODGE (ROOF PLAN) | AR-203 | |
| 08 | ECO-LODGE (ELEVATION) | AR-204 | |
| 09 | REST ROOM (6+6) LAYOUT PLAN | AR-301 | |
| 10 | REST ROOM (6+6) ELEVATION | AR-302 | |
| 11 | BOAT PLAN | AR-401 | |
| 12 | BOAT ELEVATION | AR-402 | |
| 13 | RESTAURANT GROUND FLOOR PLAN | AR-501 | |
| 14 | RESTAURANT FIRST FLOOR PLAN | AR-502 | |
| 15 | RESTAURANT ROOF PLAN | AR-503 | |
| 16 | RESTAURANT ELEVATION | AR-504 | |
| 17 | FISHING DECK LAYOUT PLAN | AR-601 | |
| 18 | FISHING DECK FRONT ELEVATION | AR-602 | |
| 19 | FISHING DECK SIDE ELEVATION | AR-603 | |
| 20 | BOATING DECK PLAN & ELEVATION | AR-701 | |
| 21 | CAR PARKING | AR-801 | |

CLIENT:
PUNJAB WILDLIFE & PARK DEPARTMENT
GOVERNMENT OF THE PUNJAB

CONSULTANTS:
ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

PROJECT:
ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

| | |
|---|---|
| DRAWN BY: | MUDASSAR HUSSAIN |
| DESIGNED BY: | MIR SHEHREYAR |
| CHECKED BY: | Ar.ZEESHAN ALI |
| APPROVED BY: | Ar.ZEESHAN ALI |
| DATE: | MARCH - 2025 |

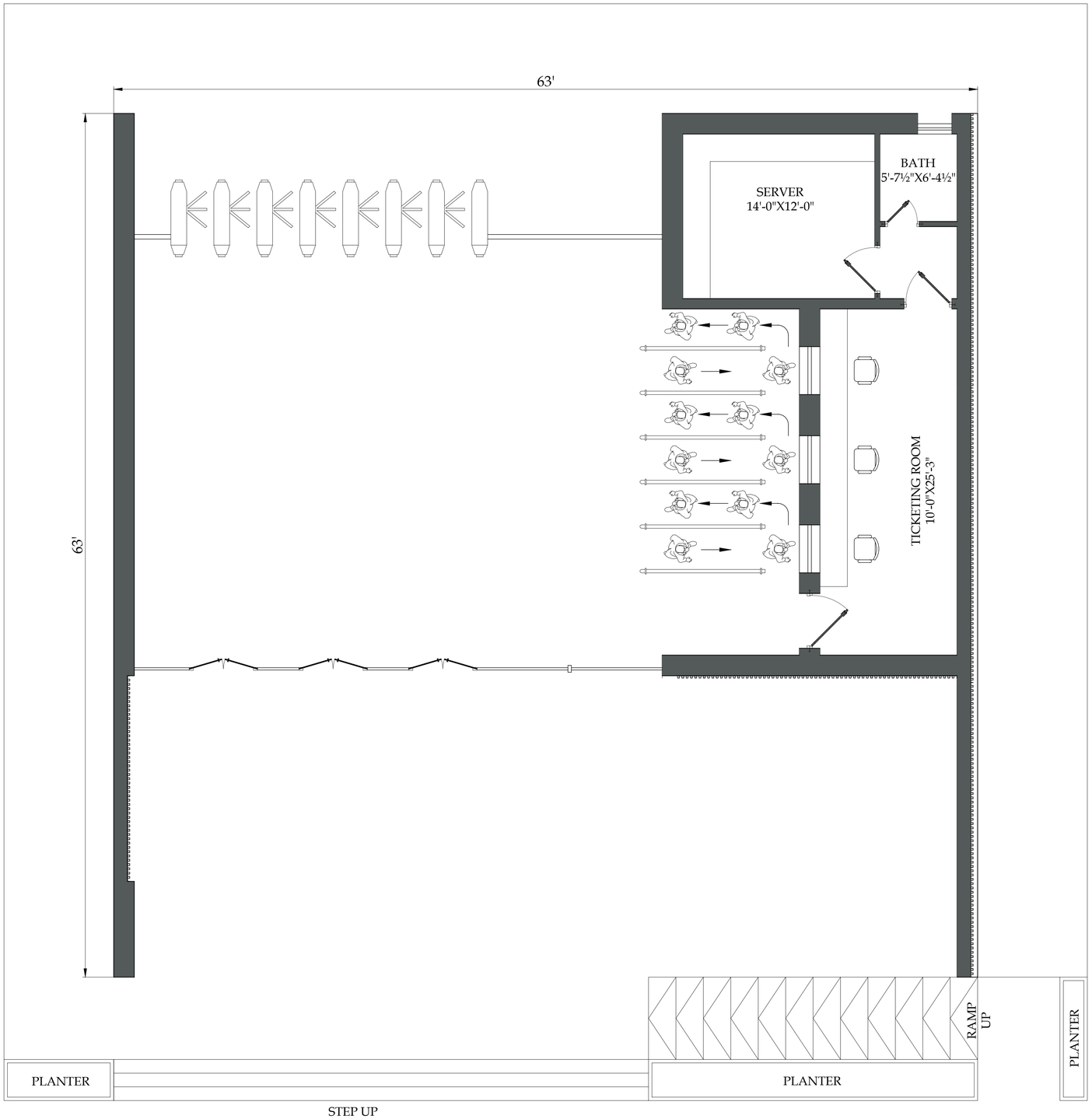
DRAWING TITLE: LIST OD DRAWINGS

DRAWING NO: AR-101

SCALE:

SHEET: A3

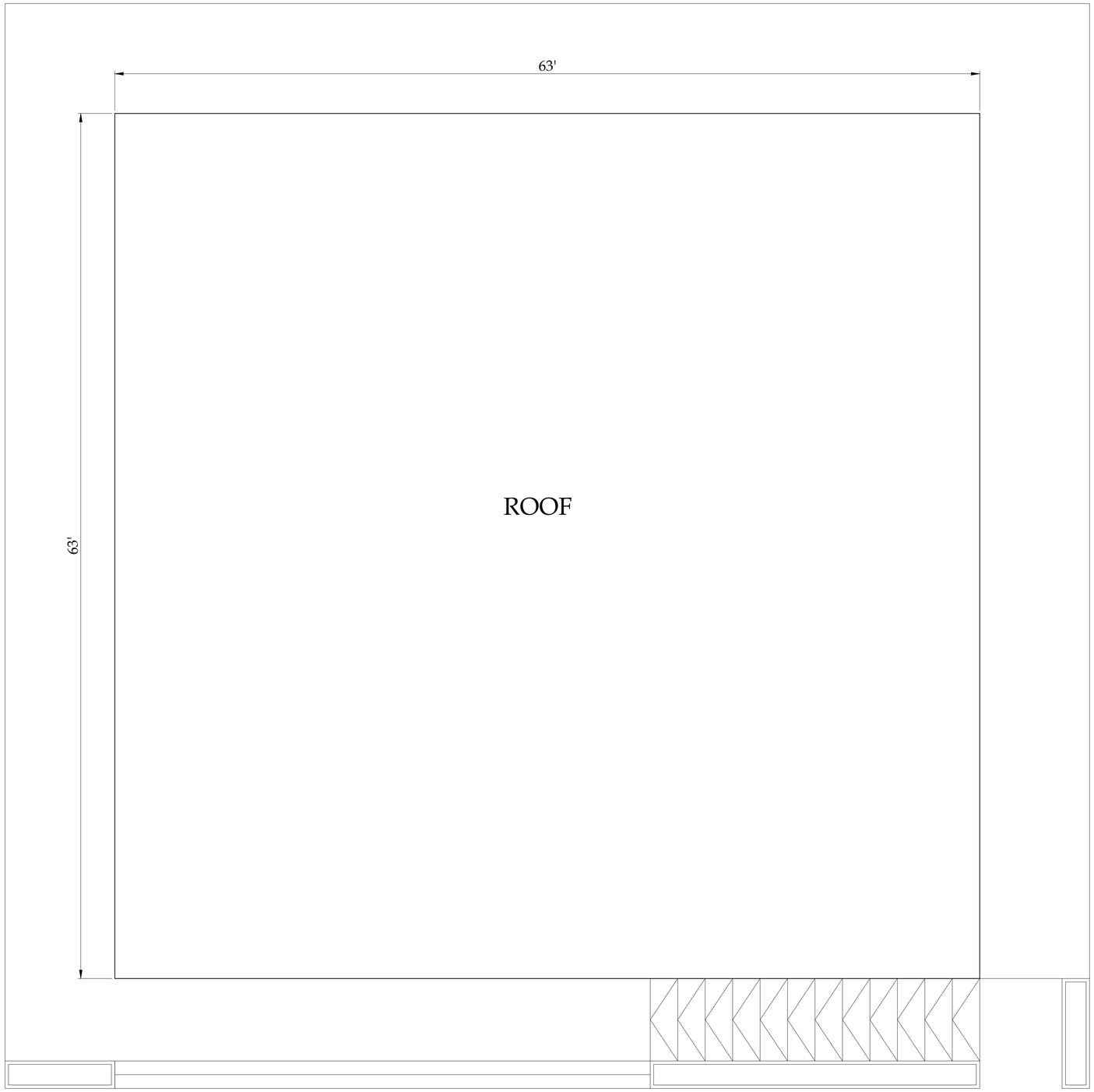
| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | MARCH,2025 |




# INFORMATION CENTER

SCALE:- 1/8" = 1'-0"

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** LAYOUT PLAN | **DRAWING NO:** AR-102 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | **SCALE:** | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | **SHEET:** A3 | | | |
| | | | DATE: | MARCH - 2025 | | | | | |




# INFORMATION CENTER ROOF PLAN

SCALE:- 1/8" = 1'-0"

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** ROOF PLAN | **DRAWING NO:** AR-103 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | **SCALE:** | **SHEET:** | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | |
| | | | DATE: | MARCH - 2025 | | | | | |

# ELEVATION

SCALE:-
3/16" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR-104 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

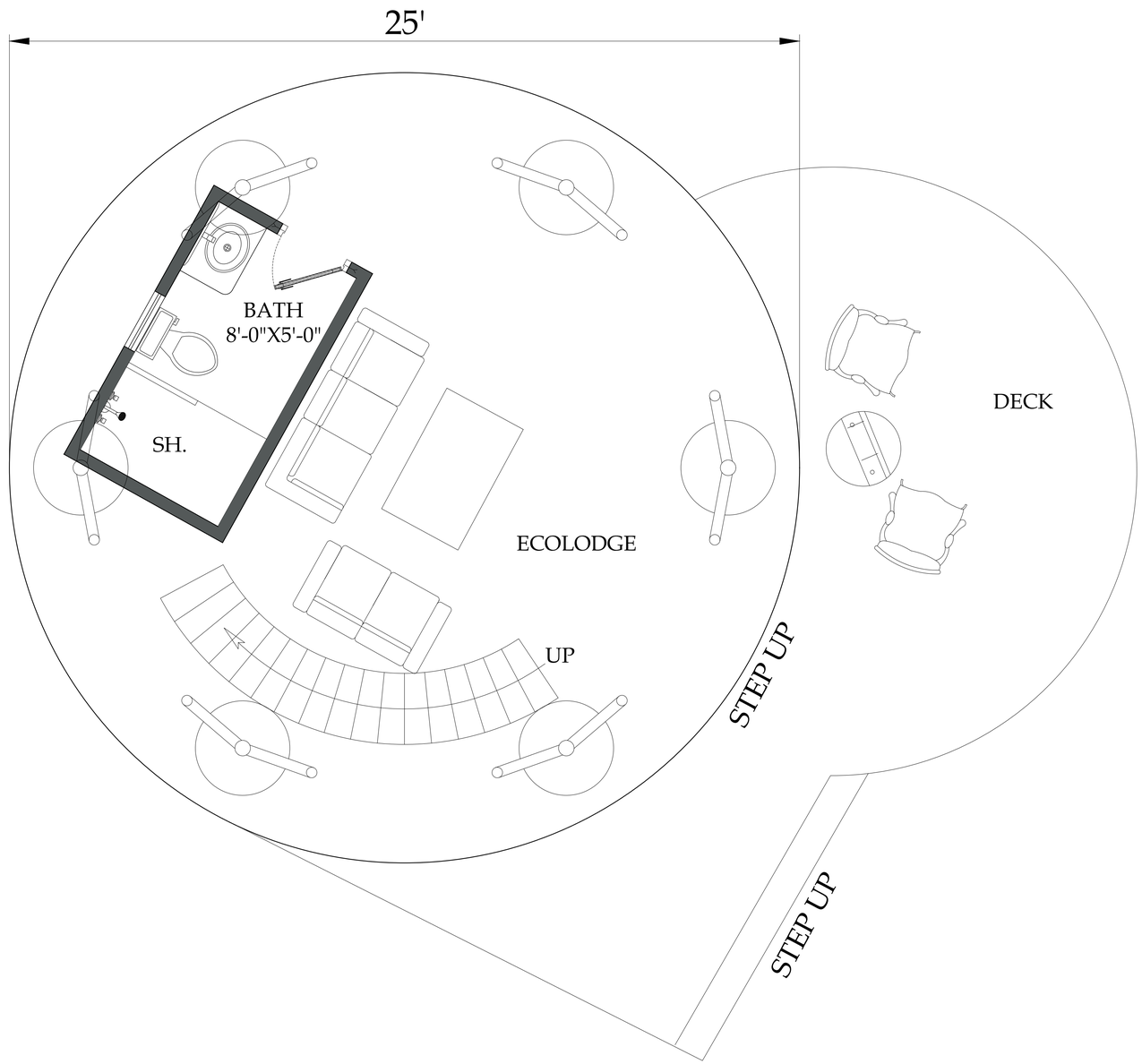
ECO-LODGE

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

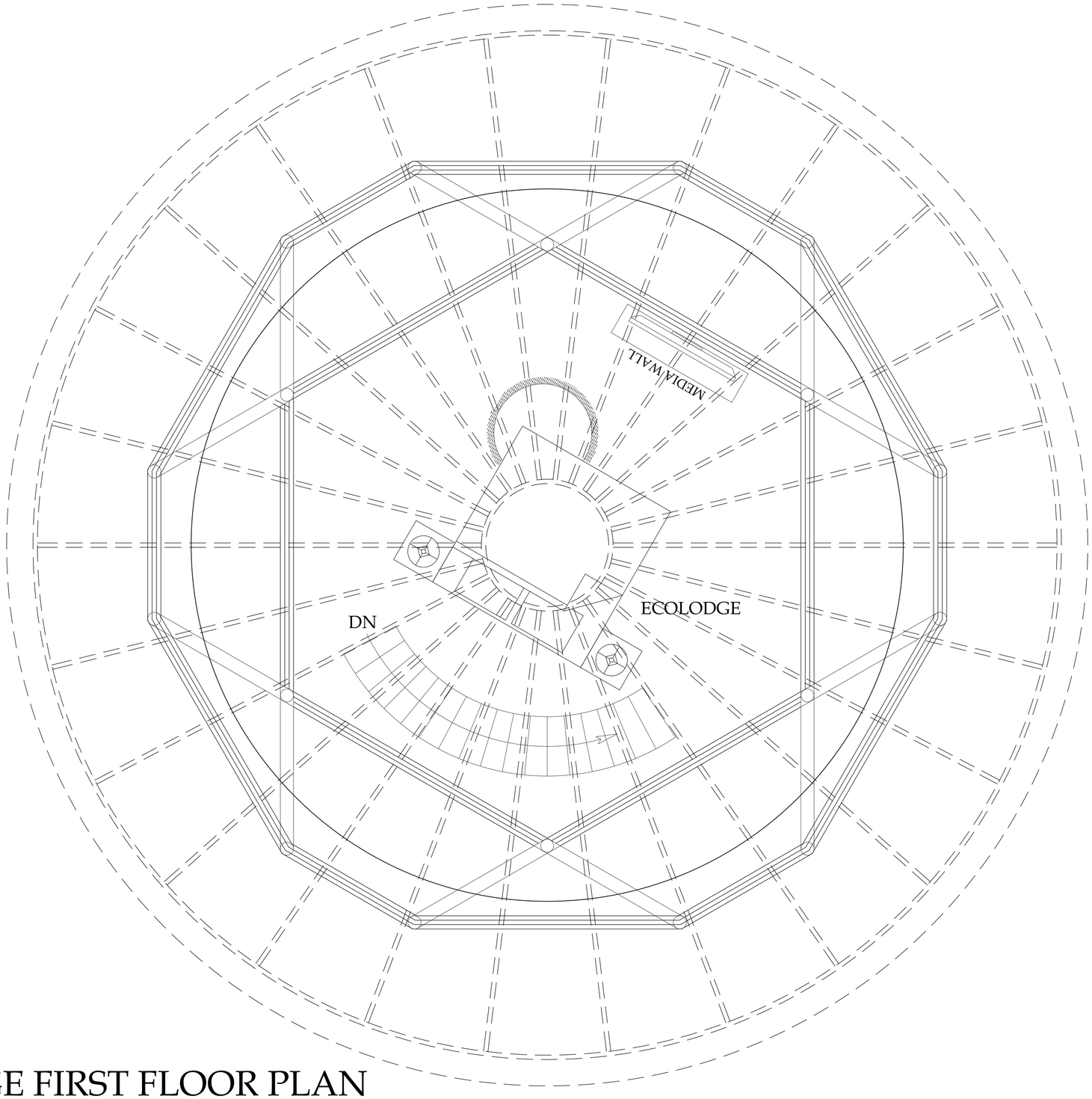
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# ECOLODGE GROUND FLOOR PLAN

SCALE:- 1/6" = 1'-0"

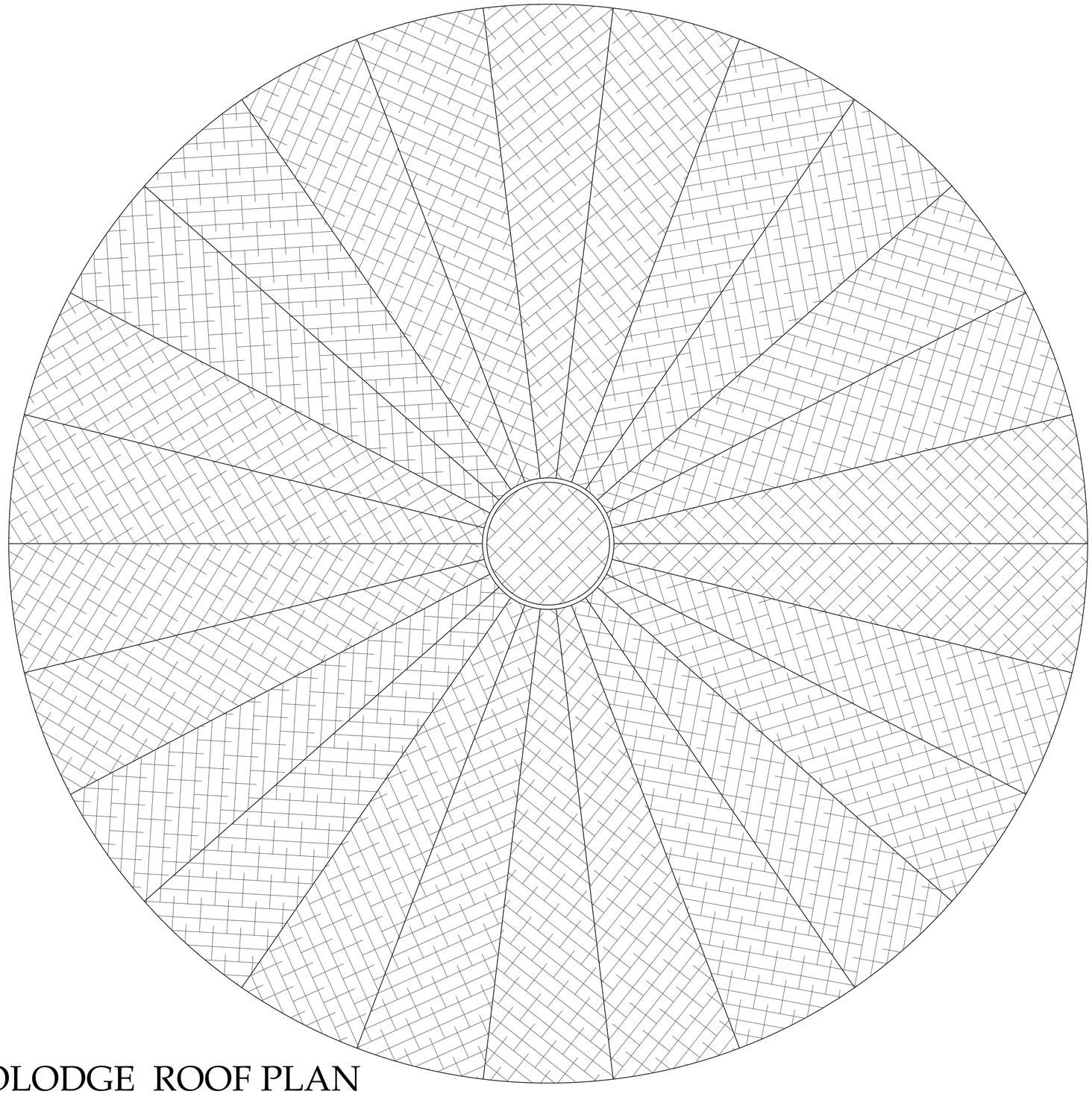
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** GROUND FLOOR PLAN | **DRAWING NO:** AR-201 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | **SCALE:** | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | **SHEET:** A3 | | | |
| | | | DATE: | MARCH - 2025 | | | | | |




# ECOLODGE FIRST FLOOR PLAN

SCALE:- 1/6" = 1'-0"

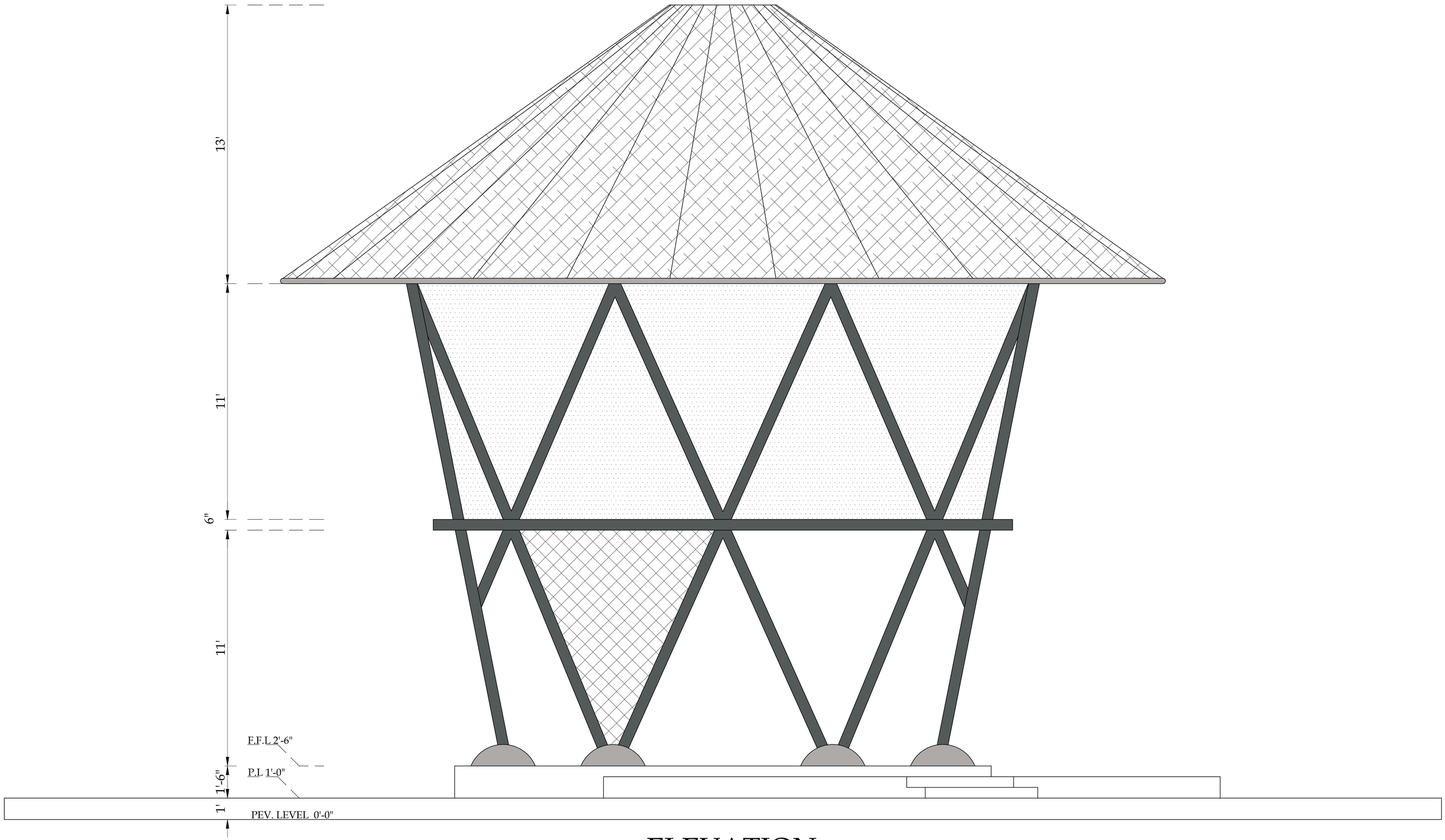
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | FIRST FLOOR PLAN | AR-202 | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | |



# ECOLODGE ROOF PLAN

SCALE:- 1/6" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN | **DRAWING TITLE:** ROOF PLAN | **DRAWING NO:** AR-203 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: Ar.ZEESHAN ALI | | **SCALE:** | | | |
| | | | APPROVED BY: Ar.ZEESHAN ALI | | **SHEET:** A3 | | | |
| | | | DATE: MARCH - 2025 | | | | | |




# ELEVATION

SCALE:- 1/6" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN<br>DESIGNED BY: MIR SHEHREYAR<br>CHECKED BY: Ar.ZEESHAN ALI<br>APPROVED BY: Ar.ZEESHAN ALI<br>DATE: MARCH - 2025 | **DRAWING TITLE:** ELEVATION | **DRAWING NO:** AR-204<br>**SCALE:**<br>**SHEET:** A3 | REV. / DESCRIPTION / SIGN. | DATE: MARCH,2025 |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

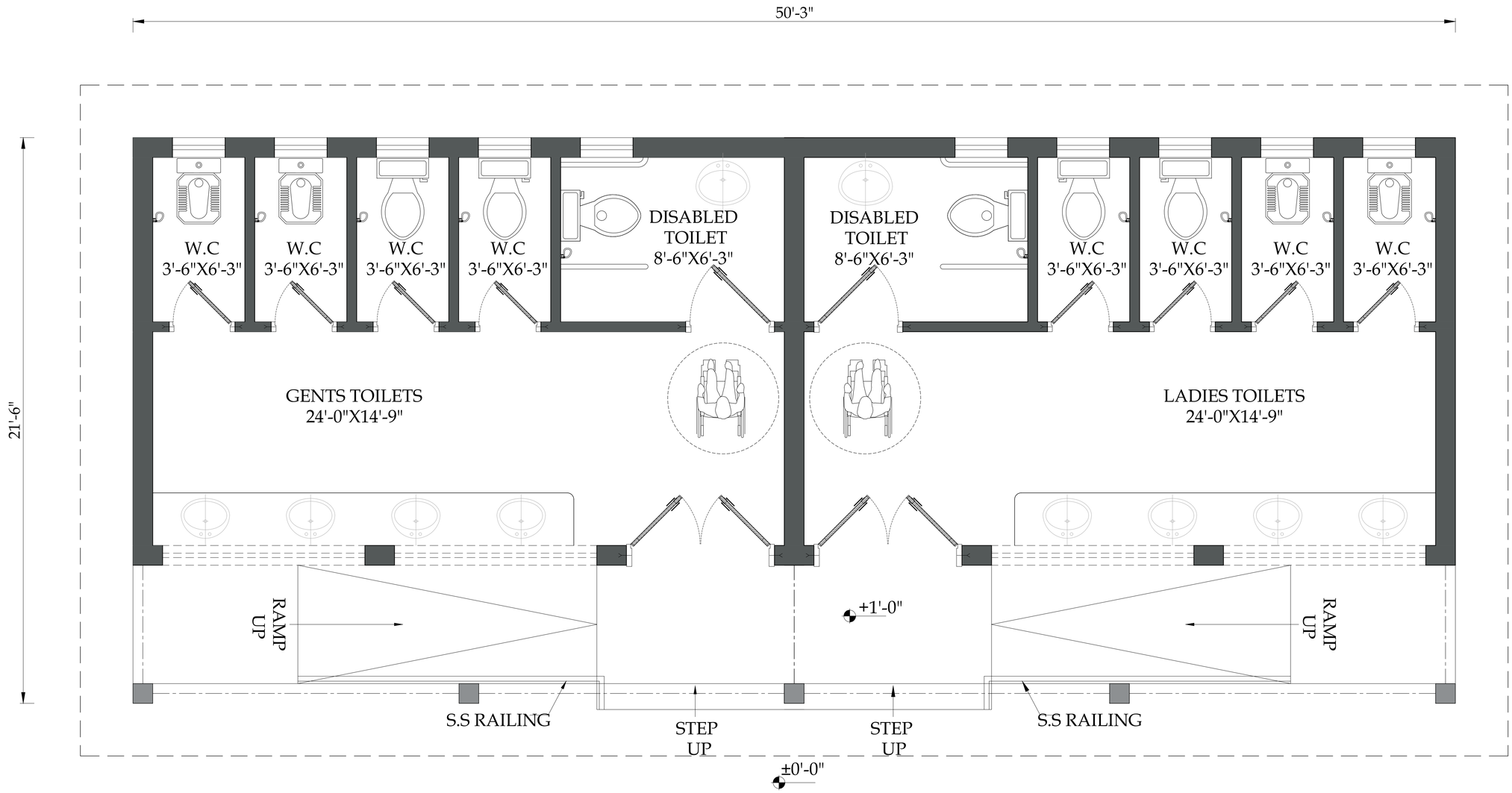
REST ROOM (6+6)

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

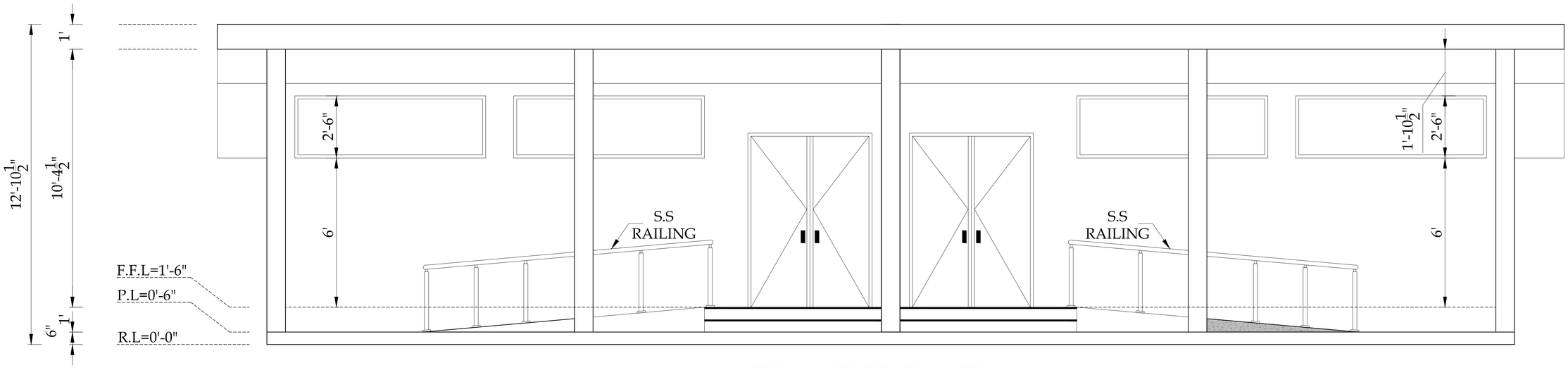
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# TOILETS LAYOUT PLAN

SCALE:- 1/4" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | REST ROOM (6+6) GROUND FLOOR PLAN | AR-301 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




# FRONT ELEVATION

SCALE:- 3/16" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR-302 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

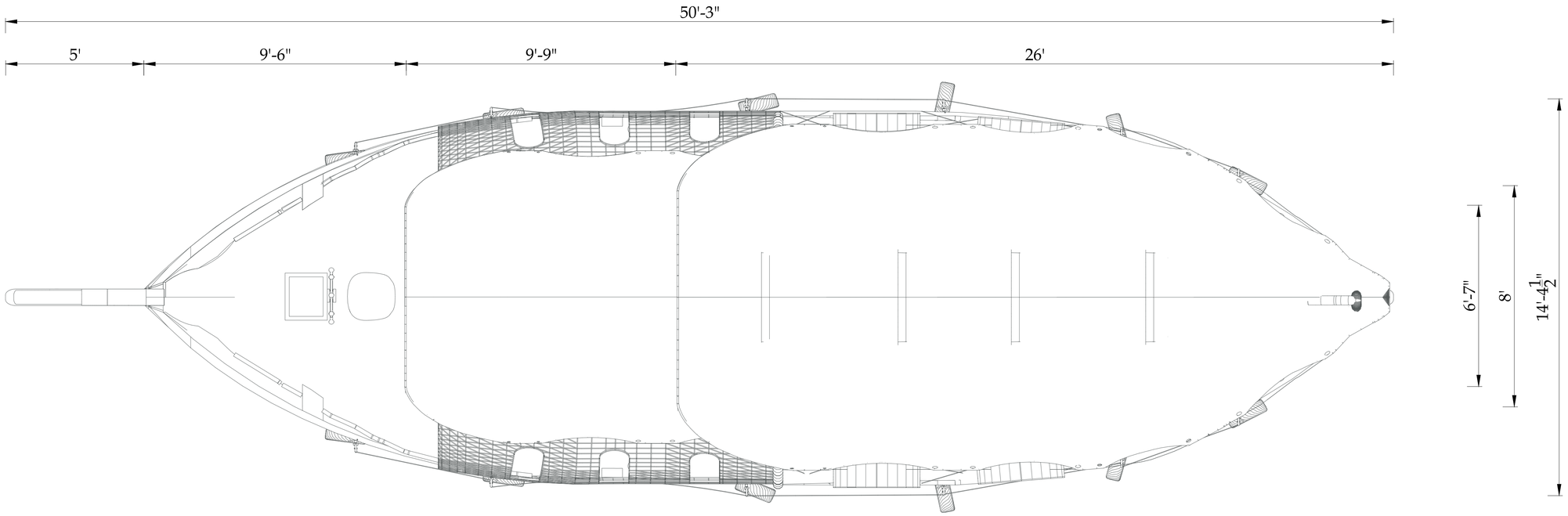
BOAT

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# BOAT MAIN PLAN

SCALE:- 1/6" = 1'-0"

**CLIENT:**

PUNJAB WILDLIFE & PARK DEPARTMENT

GOVERNMENT OF THE PUNJAB

**CONSULTANTS:**

ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

**PROJECT:**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

| | |
|---|---|
| DRAWN BY: | MUDASSAR HUSSAIN |
| DESIGNED BY: | MIR SHEHREYAR |
| CHECKED BY: | Ar.ZEESHAN ALI |
| APPROVED BY: | Ar.ZEESHAN ALI |
| DATE: | MARCH - 2025 |

**DRAWING TITLE:**

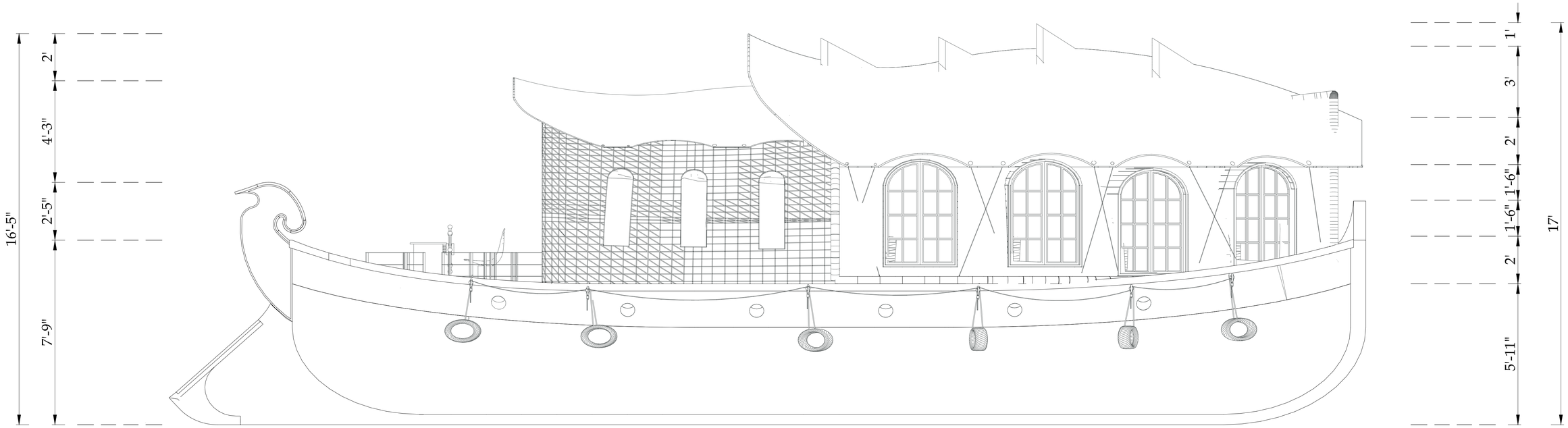
**BOAT PLAN**

**DRAWING NO:** AR-401

**SCALE:**

**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | MARCH,2025 |




# BOAT ELEVATION

SCALE:- 1/6" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | **DRAWING TITLE:** BOAT ELEVATION | **DRAWING NO:** AR-402 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

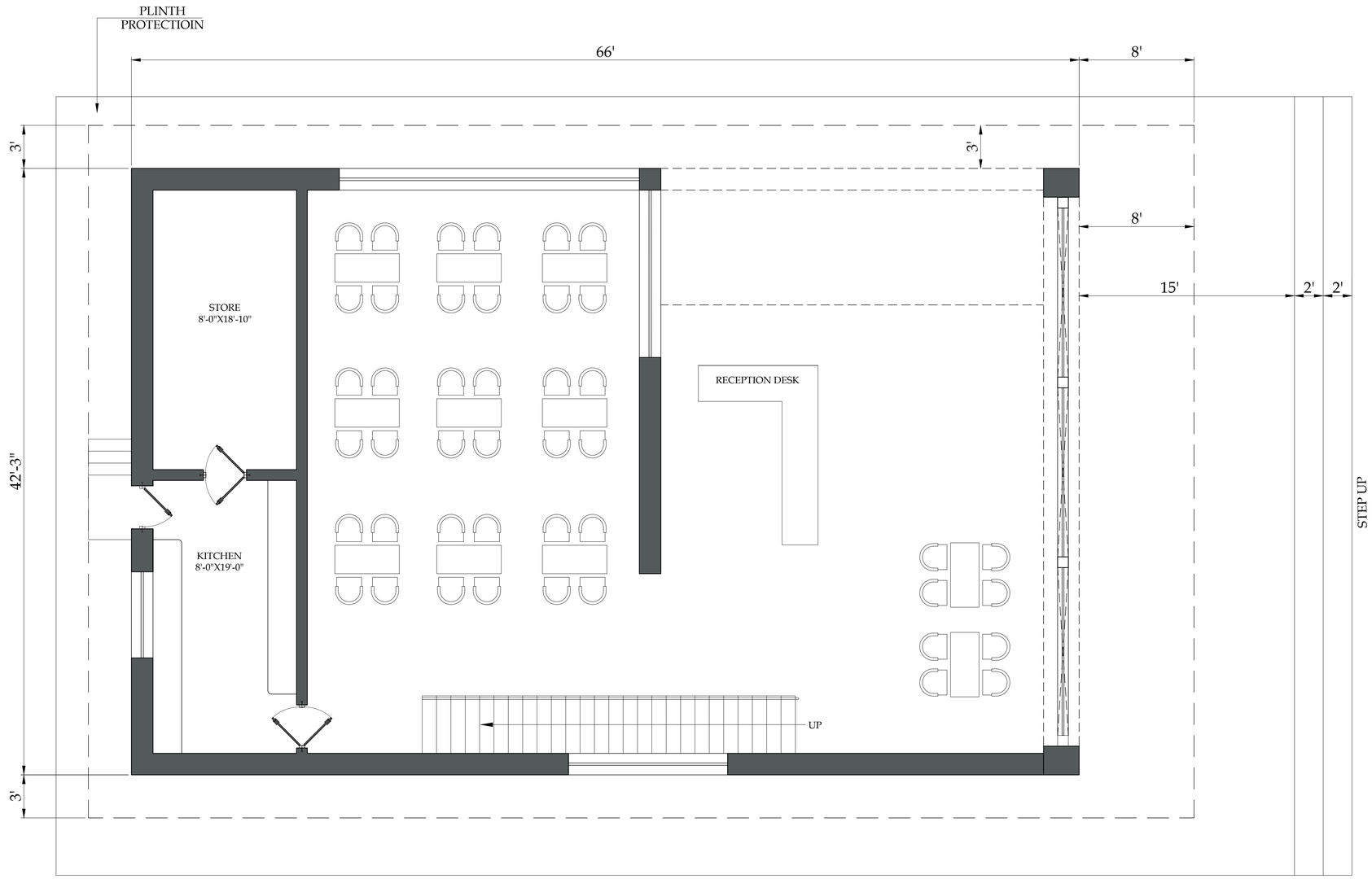
RESTAURANT

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

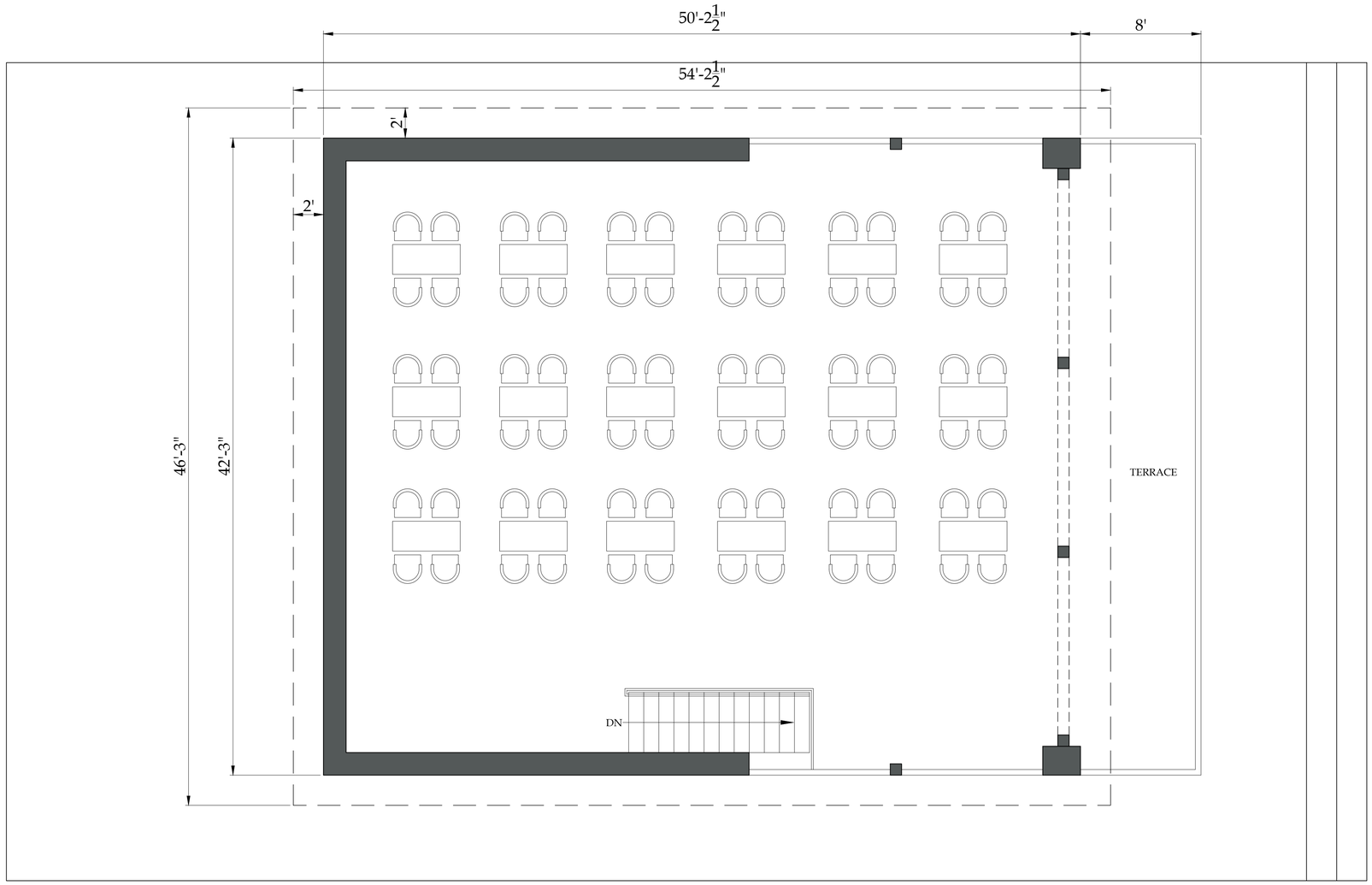
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




## RESTURANT GROUND FLOOR PLAN

SCALE:- 1/6" = 1'-0"

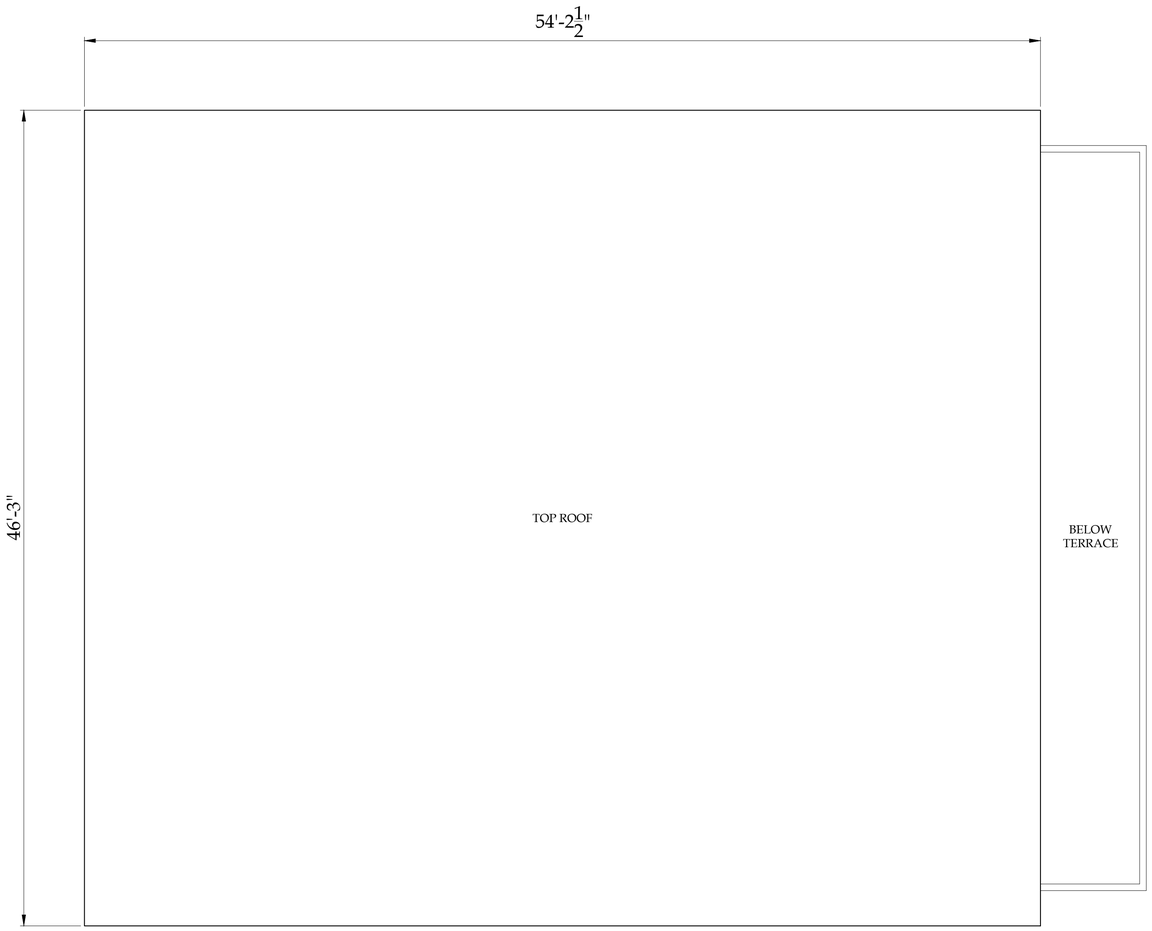
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** GROUND FLOOR PLAN | **DRAWING NO:** AR-501 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | **SCALE:** | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | **SHEET:** A3 | | | |
| | | | DATE: | MARCH - 2025 | | | | | |




# RESTURANT FIRST FLOOR PLAN

SCALE:- 1/6" = 1'-0"

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** FIRST FLOOR PLAN | **DRAWING NO:** AR-502 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | **SCALE:** | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | **SHEET:** A3 | | | |
| | | | DATE: | MARCH - 2025 | | | | | |




ROOF FLOOR PLAN

SCALE:- 1/6" = 1'-0"

**CLIENT:**

PUNJAB WILDLIFE & PARK DEPARTMENT

GOVERNMENT OF THE PUNJAB

**CONSULTANTS:**

ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

**PROJECT:**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

| | | |
|---|---|---|
| DRAWN BY: | MUDASSAR HUSSAIN | |
| DESIGNED BY: | MIR SHEHREYAR | |
| CHECKED BY: | Ar.ZEESHAN ALI | |
| APPROVED BY: | Ar.ZEESHAN ALI | |
| DATE: | MARCH - 2025 | |

**DRAWING TITLE:**

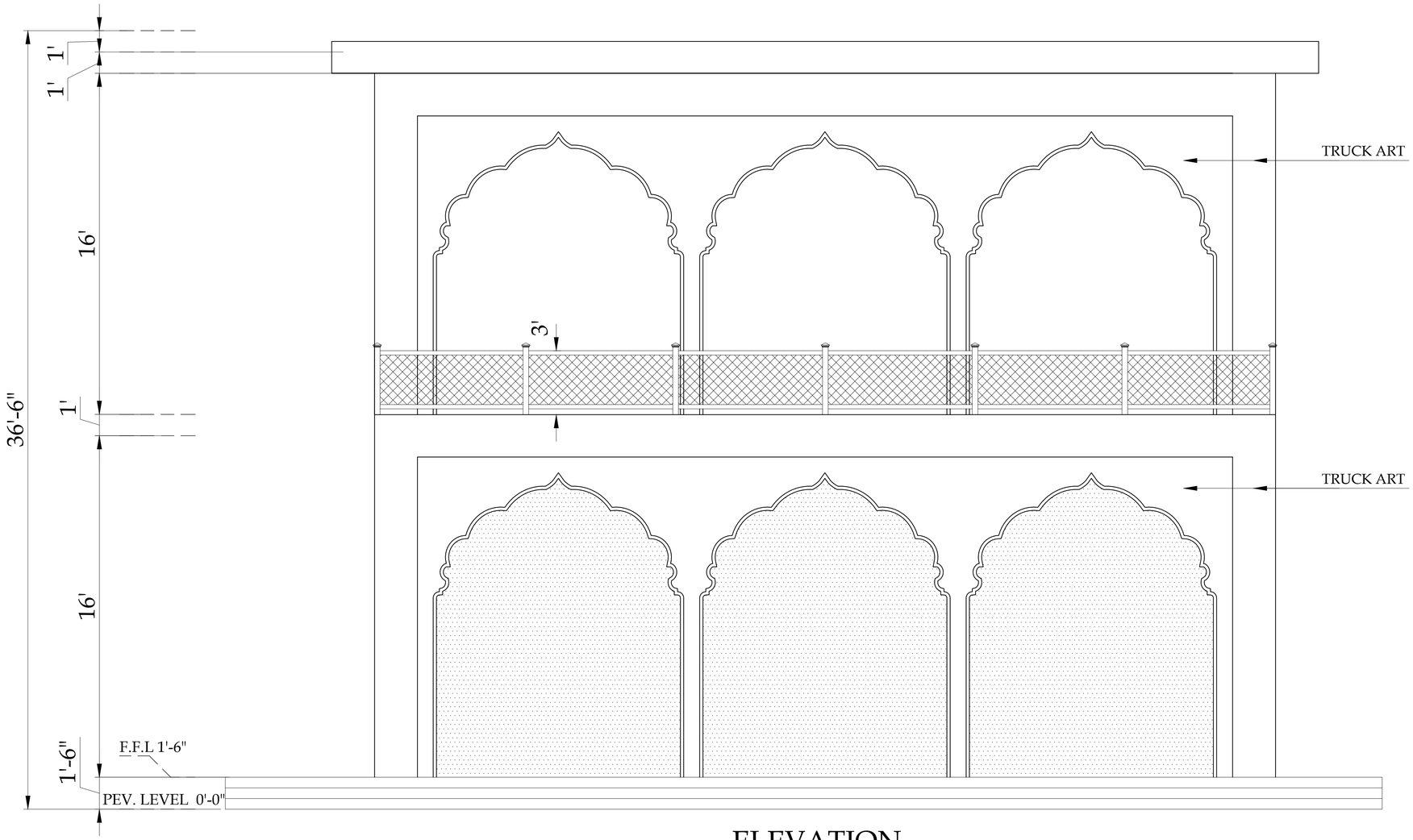
**ROOF PLAN**

**DRAWING NO:** AR-503

**SCALE:**

**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | MARCH,2025 |
| | | | |
| | | | |
| | | | |




# ELEVATION

SCALE:- 1/6" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR-504 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

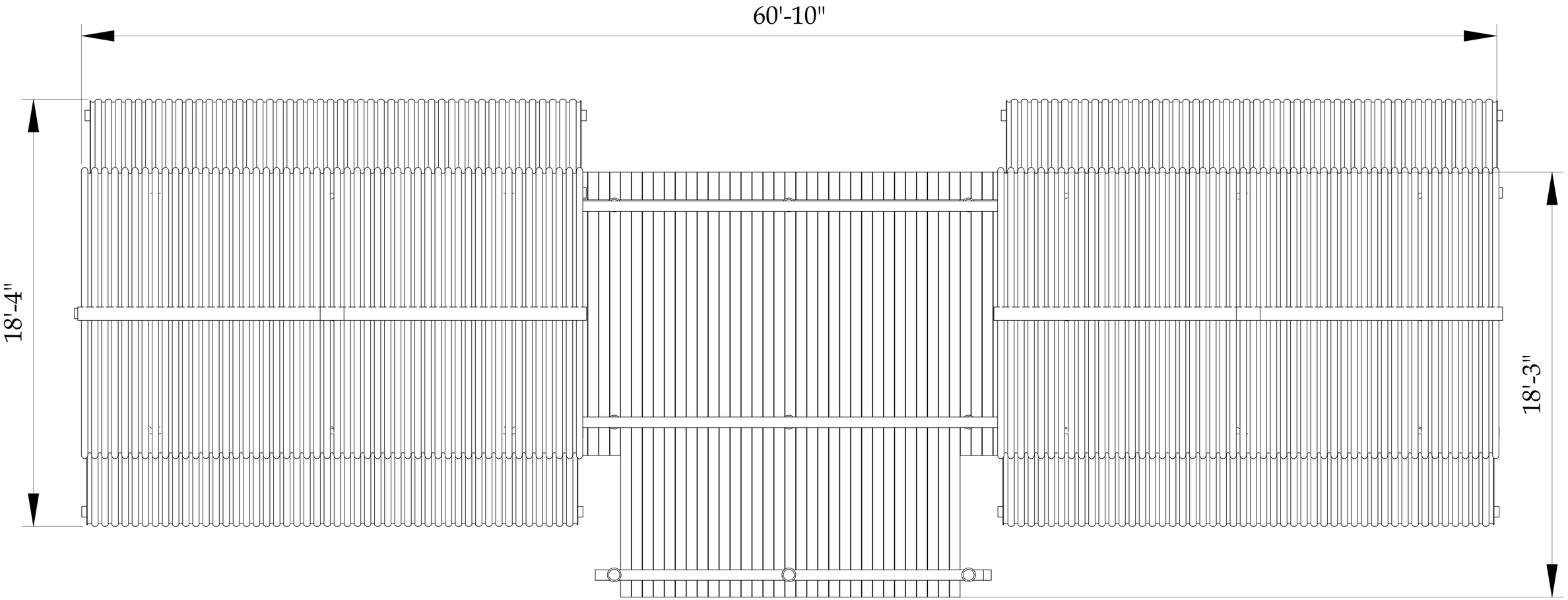
FISHING DECK

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

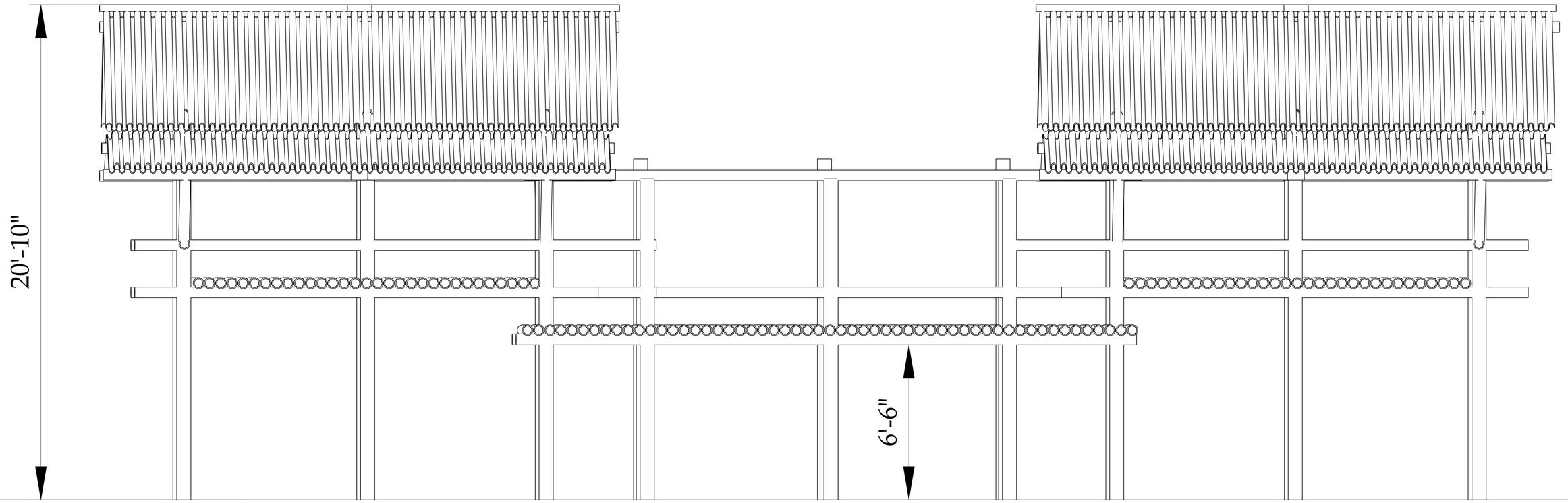
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



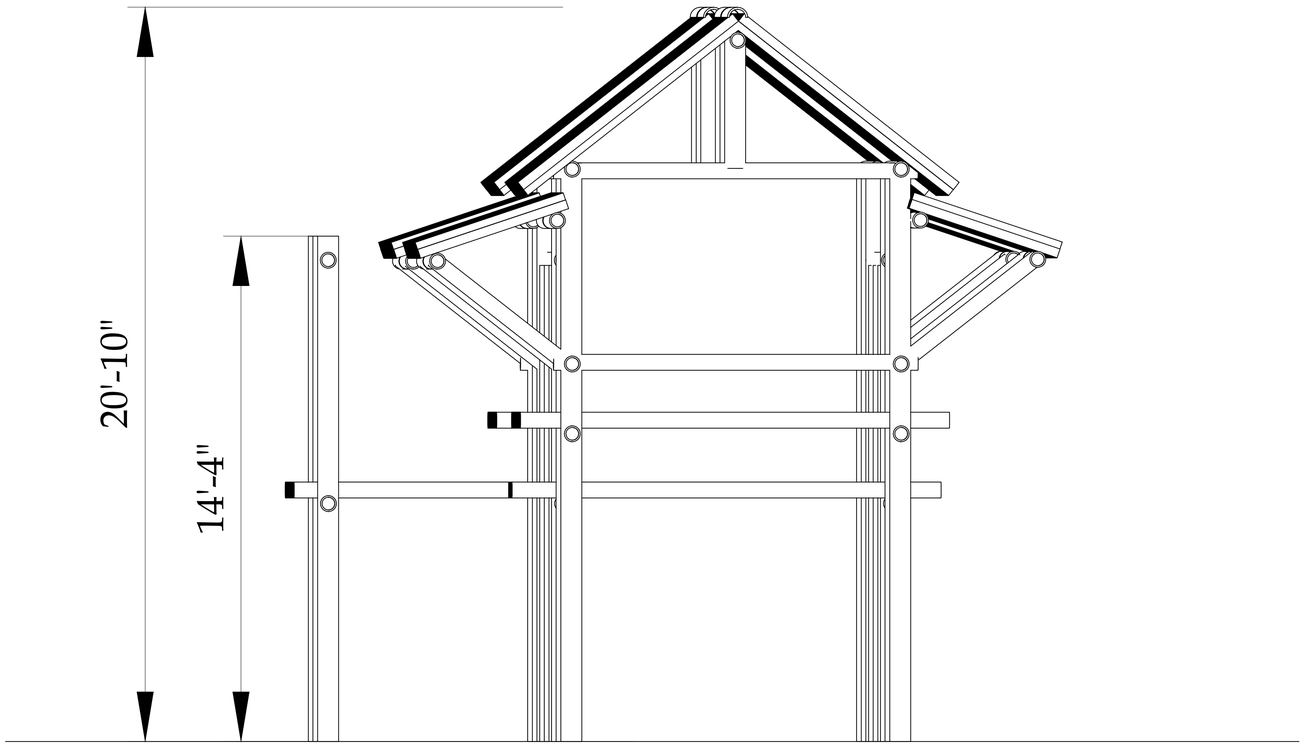

# FISHING DECK PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | LAYOUT PLAN | AR-601 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




# FISHING DECK FRONT ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | FRONT ELEVATION | AR-602 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




# FISHING DECK SIDE ELEVATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | **DRAWING TITLE:** SIDE ELEVATION | **DRAWING NO:** AR-603 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | **SCALE:** | **SHEET:** A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

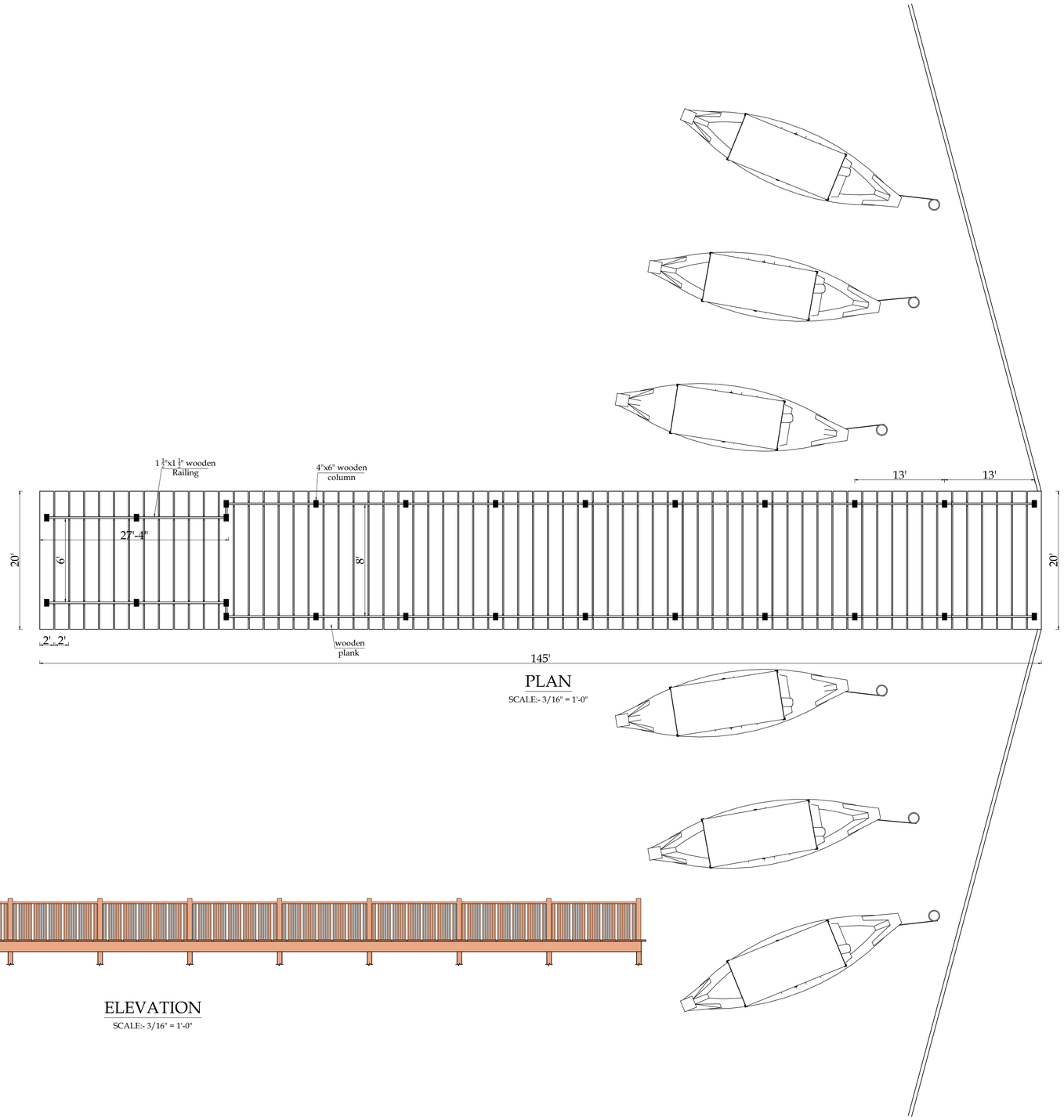
BOATING DECK

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

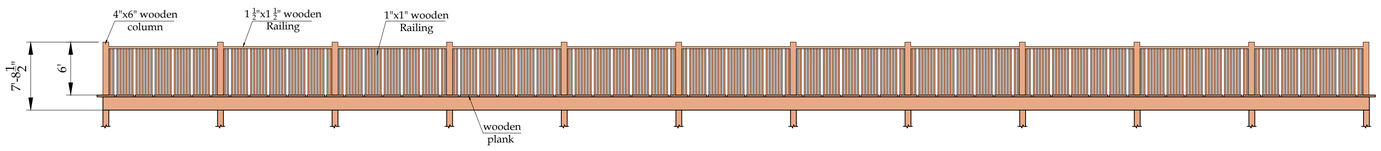
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




PLAN

SCALE:- 3/16" = 1'-0"




ELEVATION

SCALE:- 3/16" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** BOATING DECK PLAN & ELEVATION | **DRAWING NO:** AR-701 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | **SCALE:** | **SHEET:** A3 | | |
| | | | DATE: | MARCH - 2025 | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

CAR PARKING

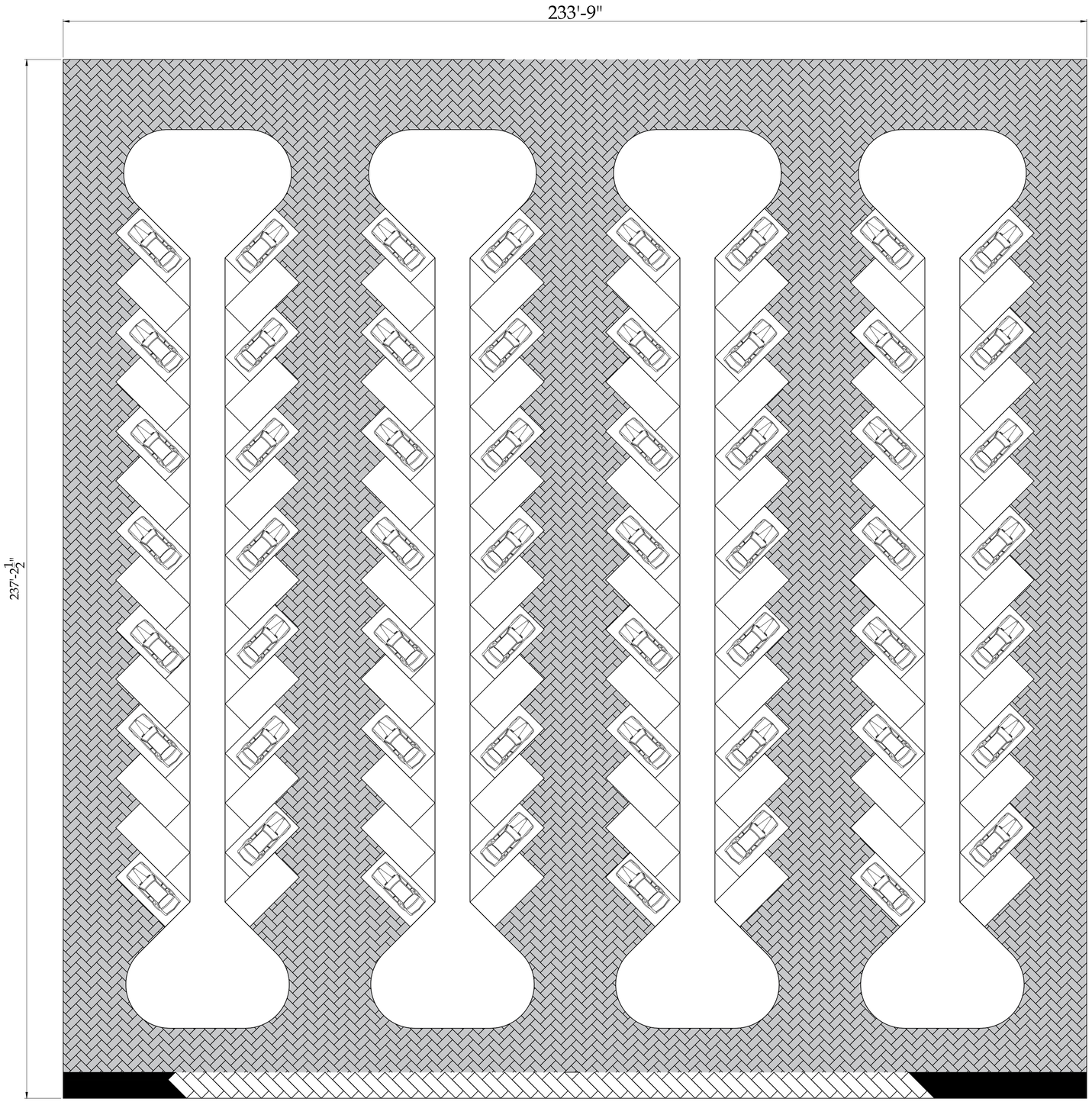
**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# (112 CARS + 50 BIKES)




| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | | CAR PARKING | AR-801 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | | |

# ARCHITECTURAL

# WORKING DRAWINGS

# FOR PC-1

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# LIST OF DRAWINGS

| S.No | Drawings Name | Drawing no. | Remarks |
|---|---|---|---|
| 01 | LIST OF DRAWINGS | AR-100 | |
| 02 | GLAMPING POD LAYOUT PLAN | AR-101 | |
| 03 | GLAMPING POD ELEVATION | AR-102 | |
| 04 | ECO-LODGE LAYOUT PLAN | AR-201 | |
| 05 | ECO-LODGE ROOF PLAN | AR-202 | |
| 06 | ECO-LODGE ELEVATION-A | AR-203 | |
| 07 | ECO-LODGE ELEVATION-B | AR-204 | |
| 08 | INFORMATION CENTER LAYOUT PLAN | AR-301 | |
| 09 | INFORMATION CENTER ROOF PLAN | AR-302 | |
| 10 | INFORMATION CENTER ELEVATION | AR-303 | |
| 11 | RESTAURANT LAYOUT PLAN | AR-401 | |
| 12 | RESTAURANT ROOF PLAN | AR-402 | |
| 13 | RESTAURANT ELEVATION | AR-403 | |
| 14 | CRAFT BAZAR LAYOUT PLAN | AR-501 | |
| 15 | CRAFT BAZAR ROOF PLAN | AR-502 | |
| 16 | CRAFT BAZAR ELEVATION | AR-503 | |
| 17 | CRAFT BAZAR MASTER PLAN | AR-504 | |
| 18 | WATCH TOWER PLANS | AR-601 | |
| 19 | WATCH TOWER ELEVATION | AR-602 | |
| 20 | REST ROOM (3+3) LAYOUT PLAN | AR-701 | |
| 21 | REST ROOM (3+3) ELEVATION | AR-702 | |
| 22 | BOATING LAYOUT PLAN & ELEVATION | AR-801 | |
| 23 | PAINTING & PHOTOGRAPHY<br>DECK PLAN & ELEVATION | AR-802 | |
| 24 | CAR PARKING LAYOUT PLAN | AR-901 | |
| 25 | CAR PARKING TOILETS LAYOUT PLAN | AR-902 | |

CLIENT:
PUNJAB WILDLIFE & PARK DEPARTMENT
GOVERNMENT OF THE PUNJAB

CONSULTANTS:
ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

PROJECT:
ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

| | |
|---|---|
| DRAWN BY: | MUDASSAR HUSSAIN |
| DESIGNED BY: | MIR SHEHREYAR |
| CHECKED BY: | Ar.ZEESHAN ALI |
| APPROVED BY: | Ar.ZEESHAN ALI |
| DATE: | MARCH - 2025 |

DRAWING TITLE: LIST OF DRAWINGS

DRAWING NO: AR-100

SCALE:

SHEET: A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | MARCH,2025 |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

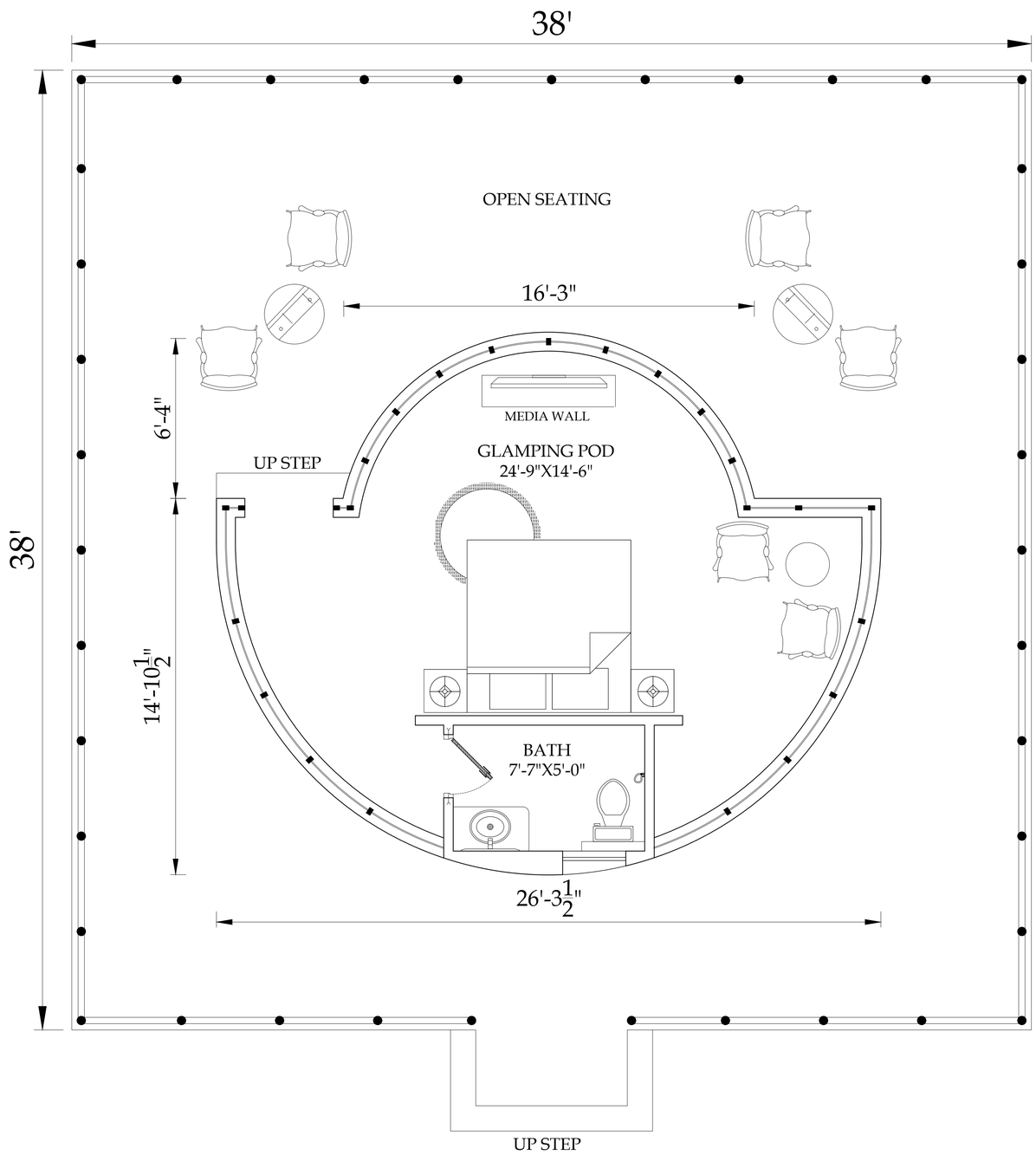
GLAMPING POD

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

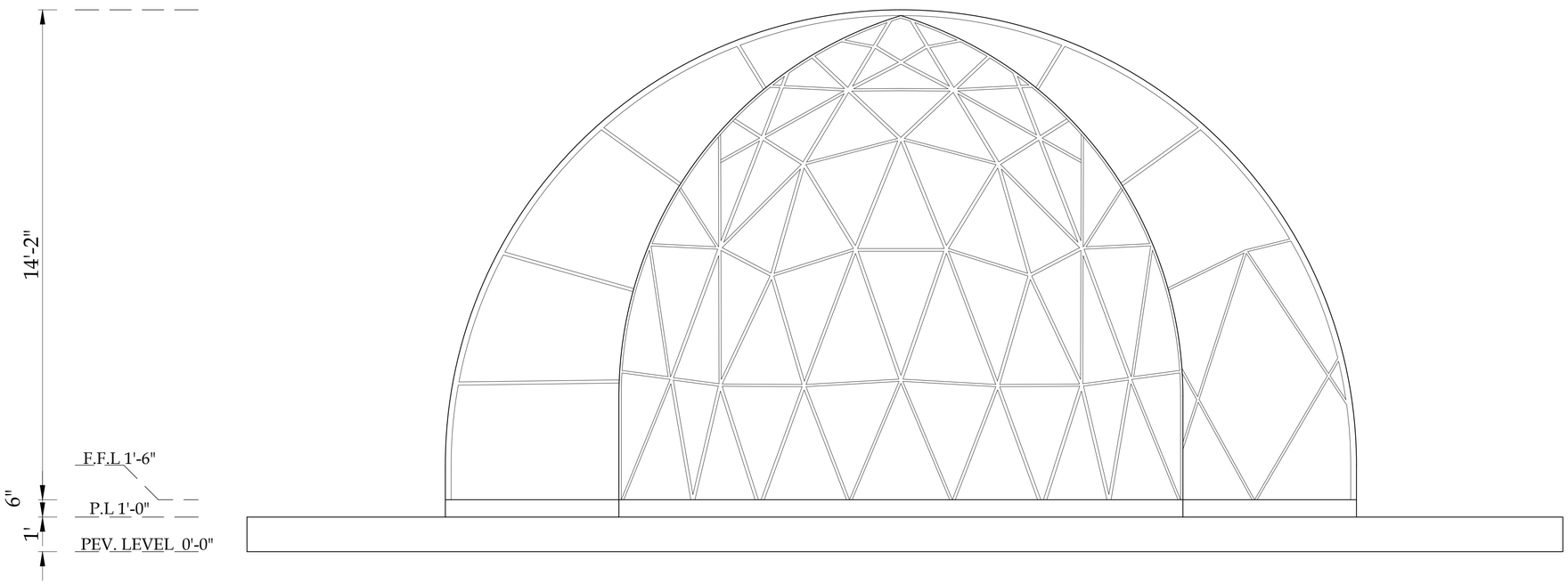
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# GLAMPING POD PLAN

SCALE : $\frac{3}{16}$"=1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | LAYOUT PLAN | AR-101 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




# ELEVATION

SCALE : 1/4" =1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** ELEVATION | **DRAWING NO:** AR-102 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | **SCALE:** / **SHEET:** A3 | | | |
| | | | DATE: | MARCH - 2025 | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

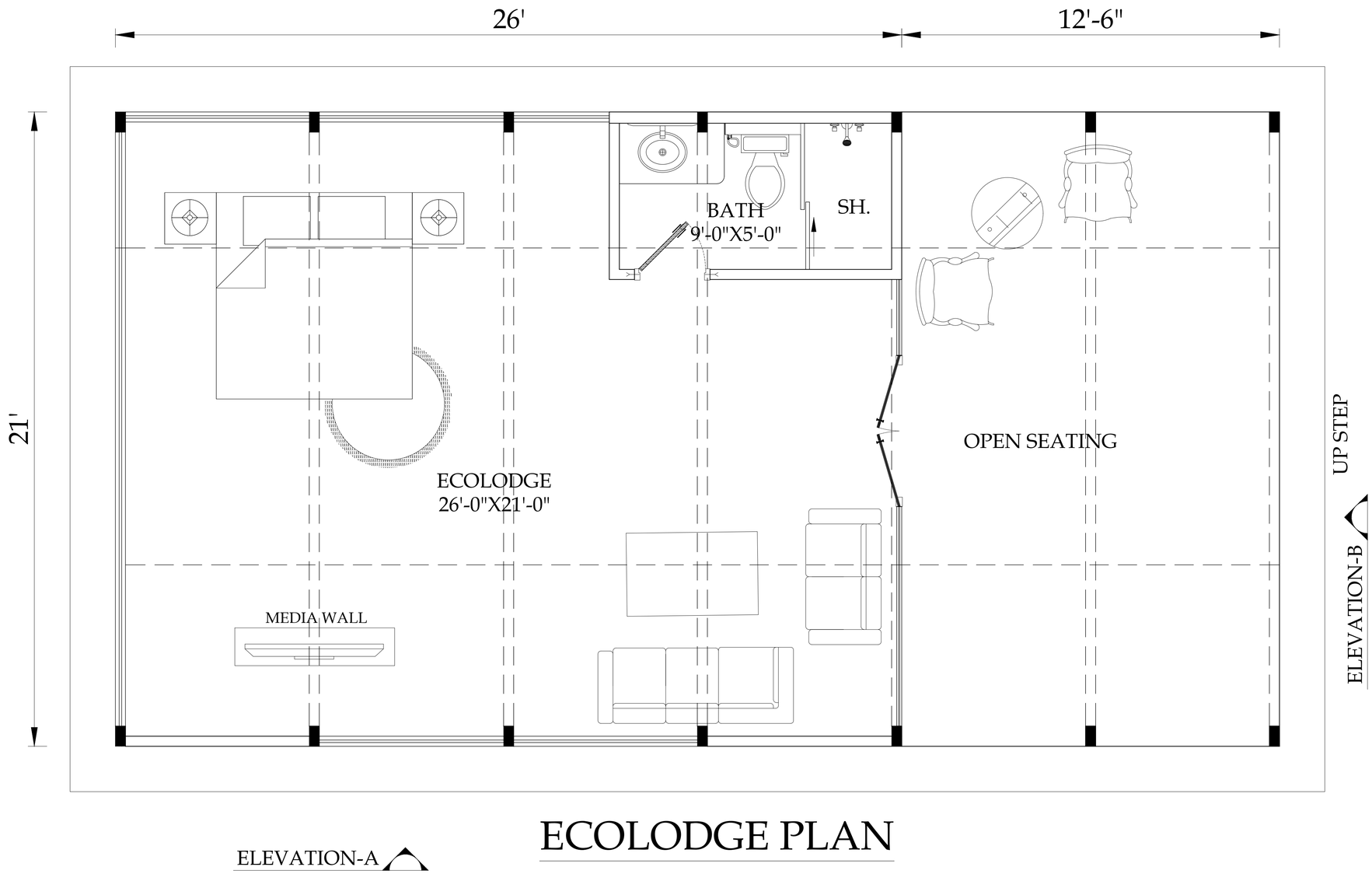
ECO-LODGE

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

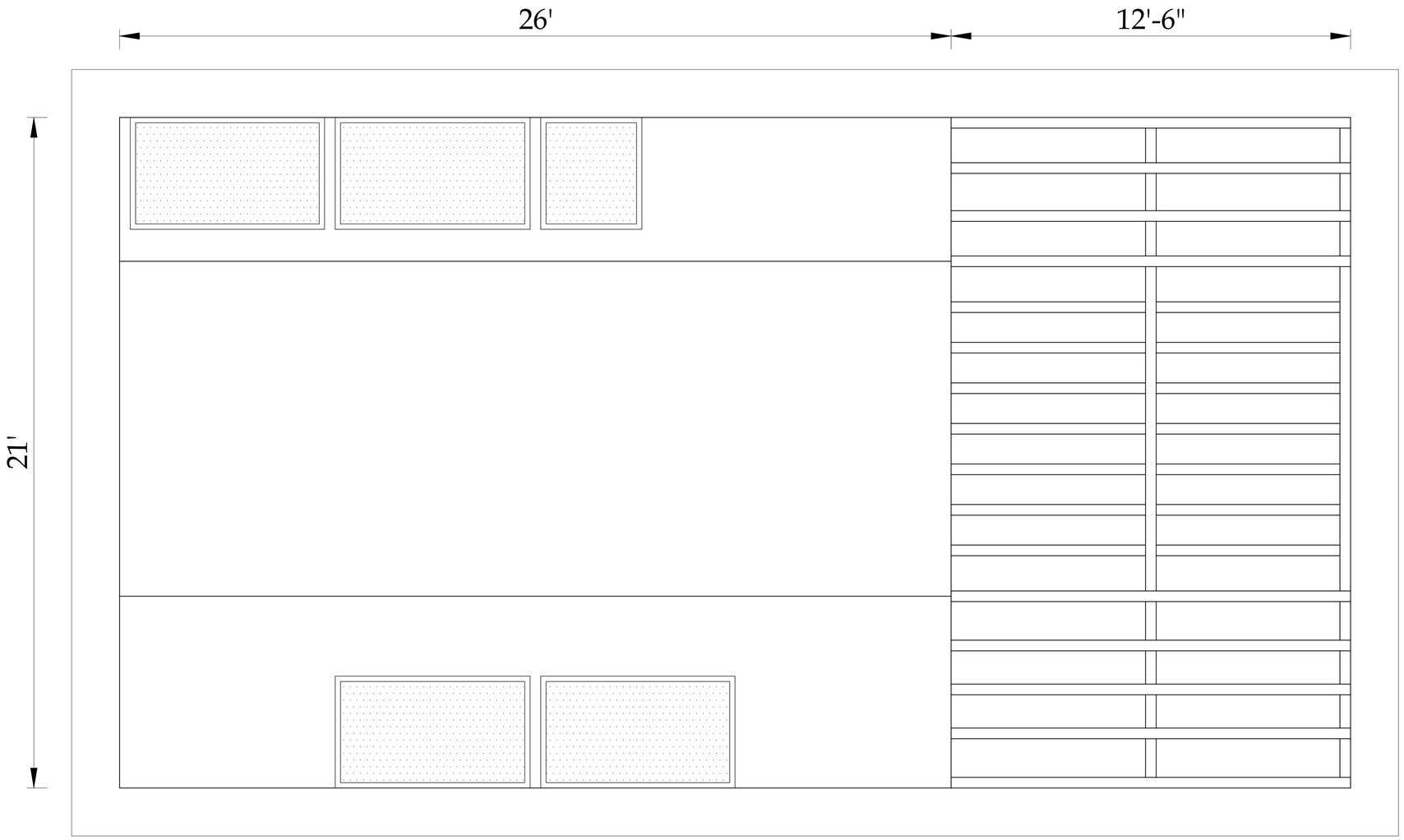
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



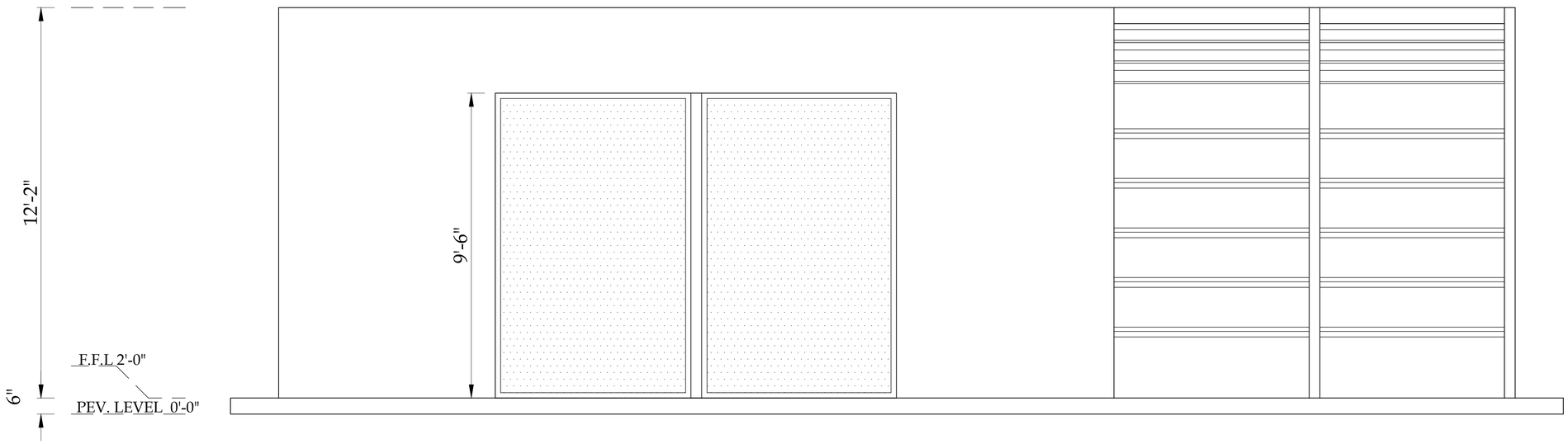

# ECOLODGE PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | LAYOUT PLAN | AR-201 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |



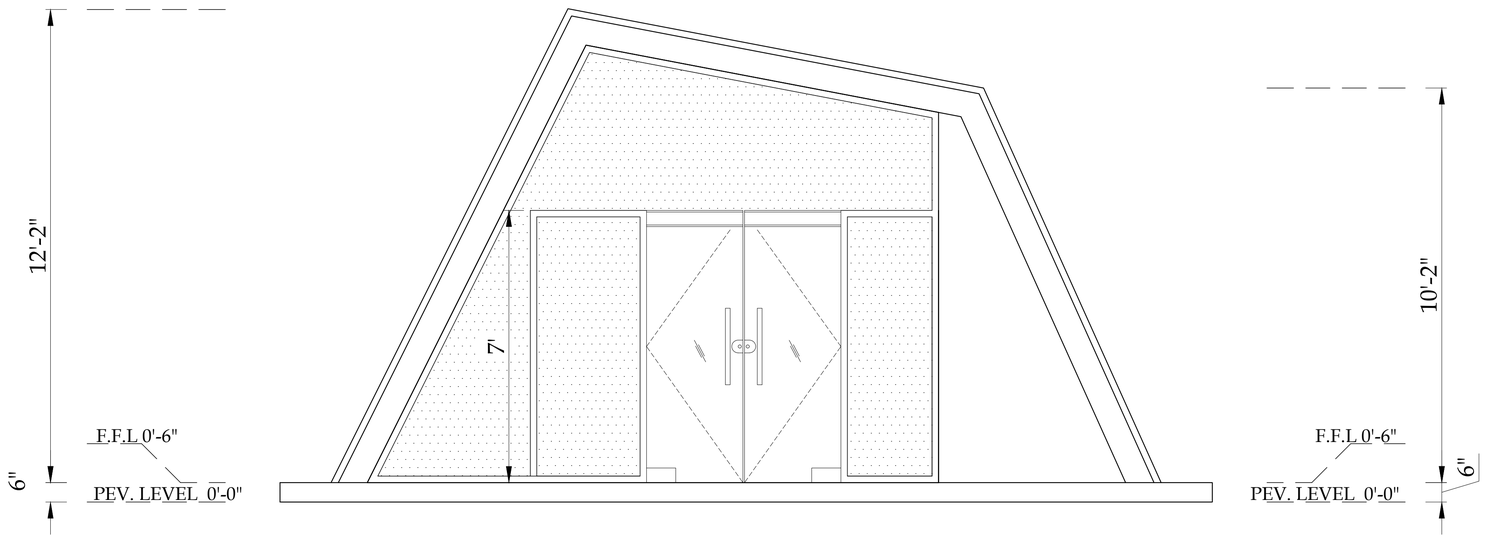

# ECOLODGE ROOF PLAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** ROOF PLAN | **DRAWING NO:** AR-202 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | **SCALE:** | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | **SHEET:** A3 | | | |
| | | | DATE: | MARCH - 2025 | | | | | |




# ELEVATION-A

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION-A | AR-203 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




# ELEVATION-B

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION-B | AR-204 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

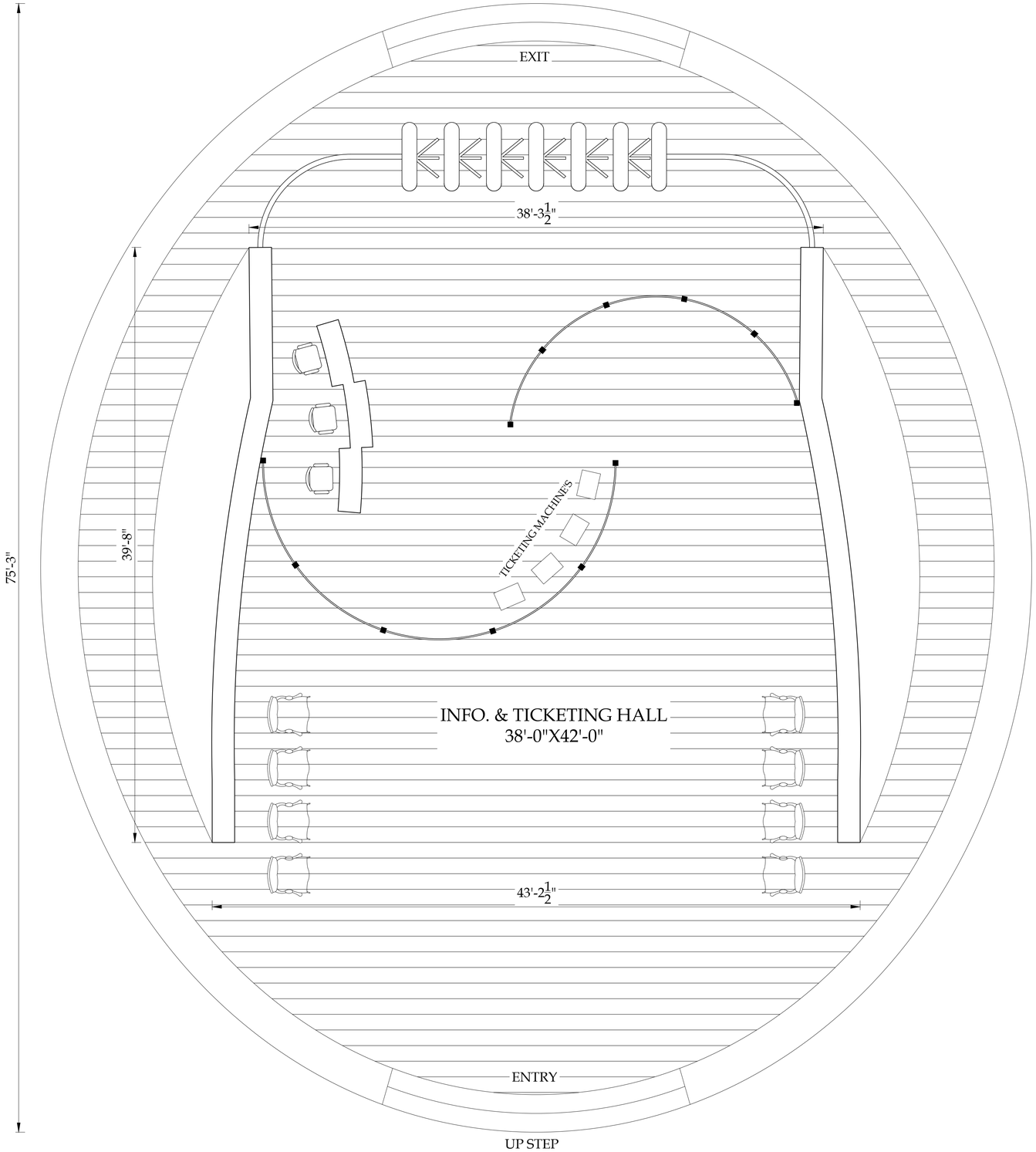
INFORMATION CENTER

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

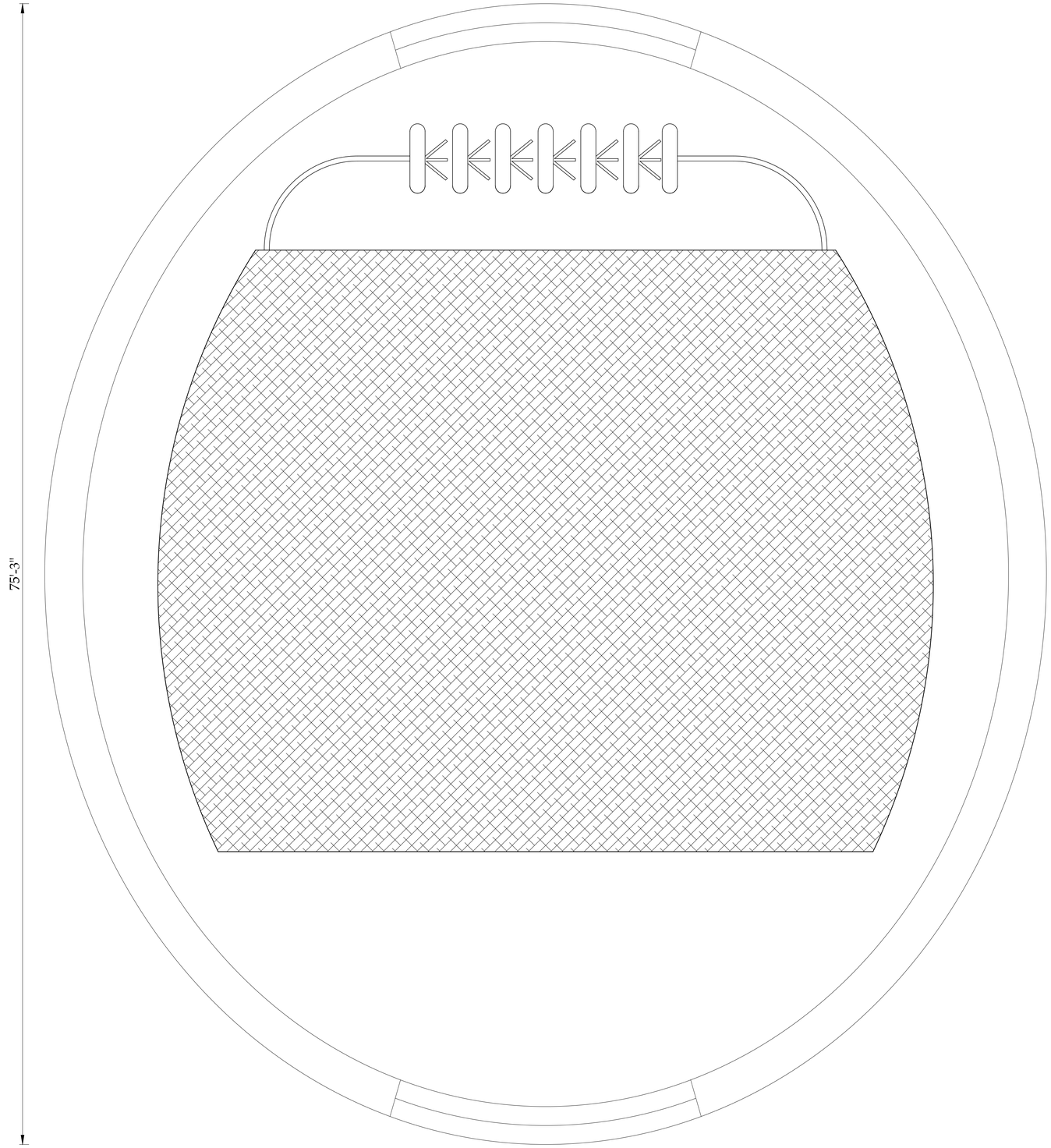
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




INFORMATION CENTER

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | LAYOUT PLAN | AR-301 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




INFORMATION CENTER ROOF PLAN

**CLIENT:**

PUNJAB WILDLIFE & PARK DEPARTMENT
GOVERNMENT OF THE PUNJAB

**CONSULTANTS:**

ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

**PROJECT:**

**ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)**

| | | |
|---|---|---|
| DRAWN BY: | MUDASSAR HUSSAIN | |
| DESIGNED BY: | MIR SHEHREYAR | |
| CHECKED BY: | Ar.ZEESHAN ALI | |
| APPROVED BY: | Ar.ZEESHAN ALI | |
| DATE: | MARCH - 2025 | |

**DRAWING TITLE:**

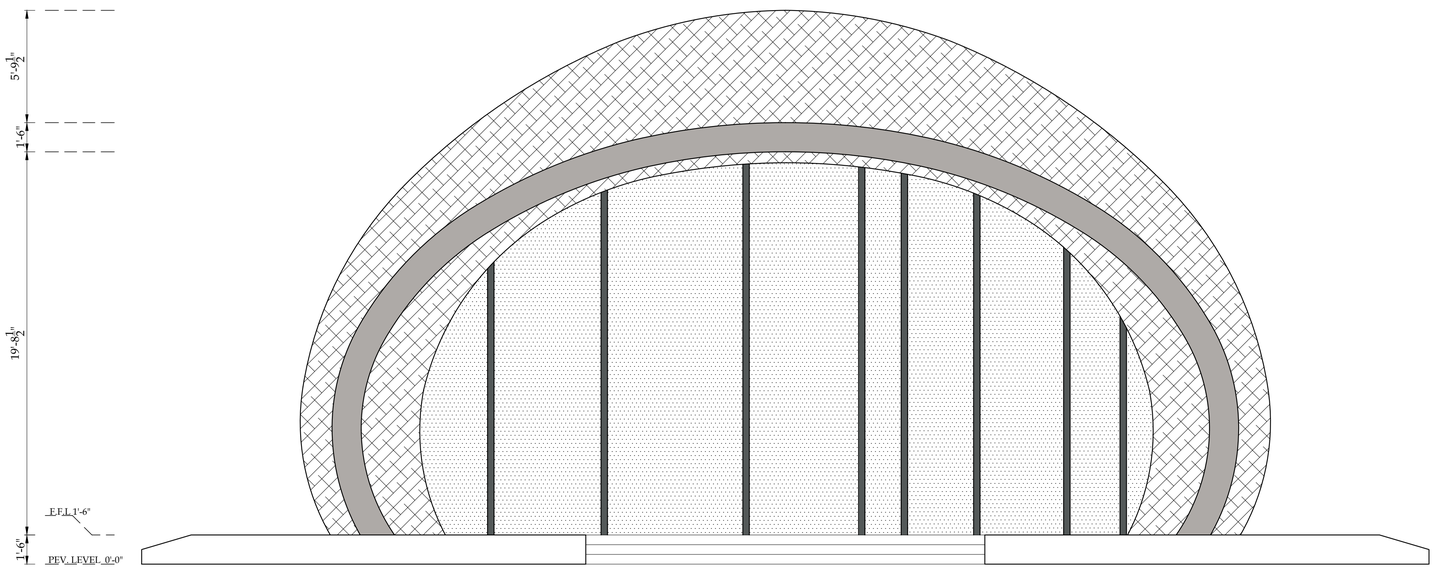
**ROOF PLAN**

**DRAWING NO:** AR-302

**SCALE:**

**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | MARCH,2025 |
| | | | |
| | | | |
| | | | |




ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR-303 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

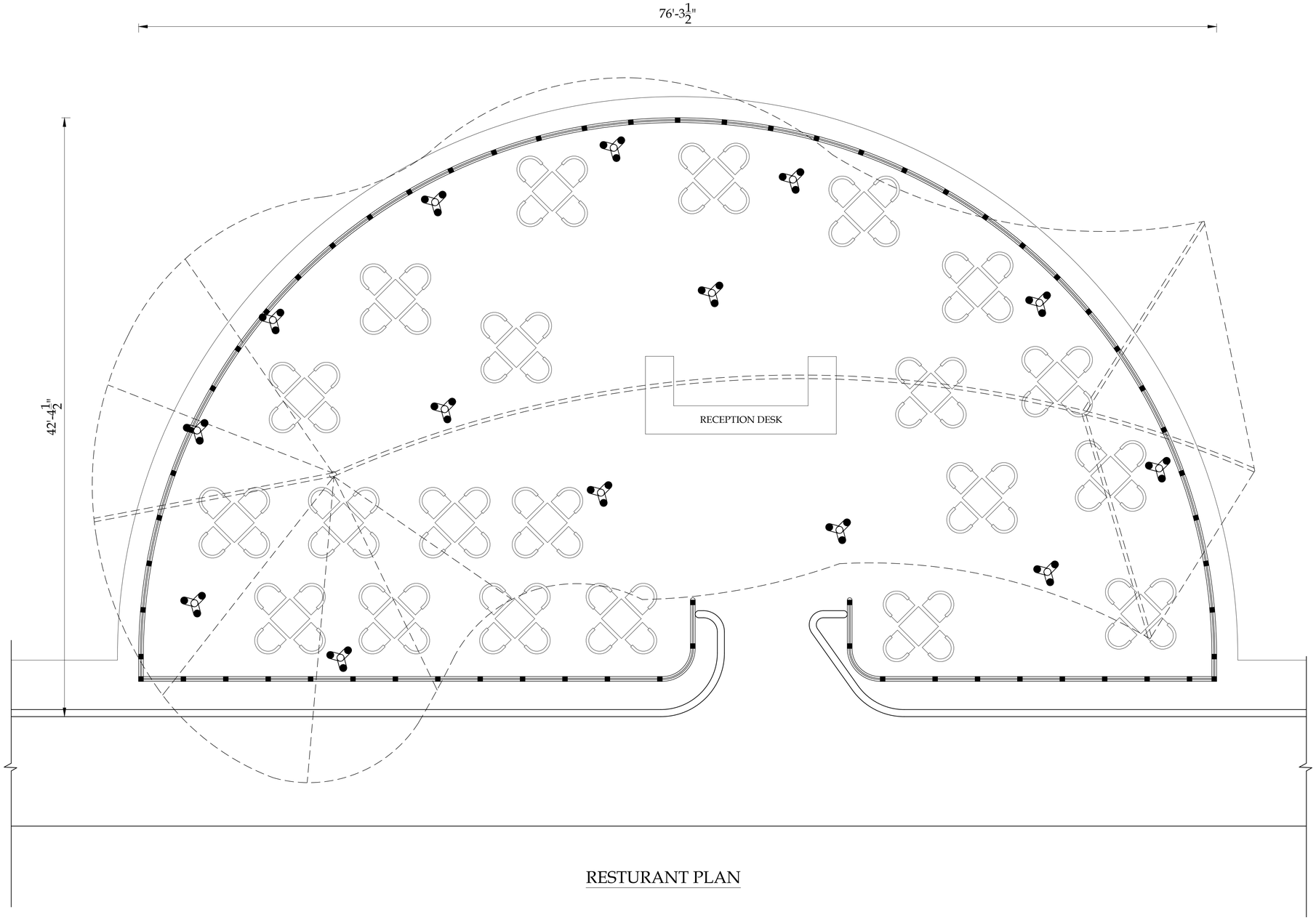
RESTAURANT

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

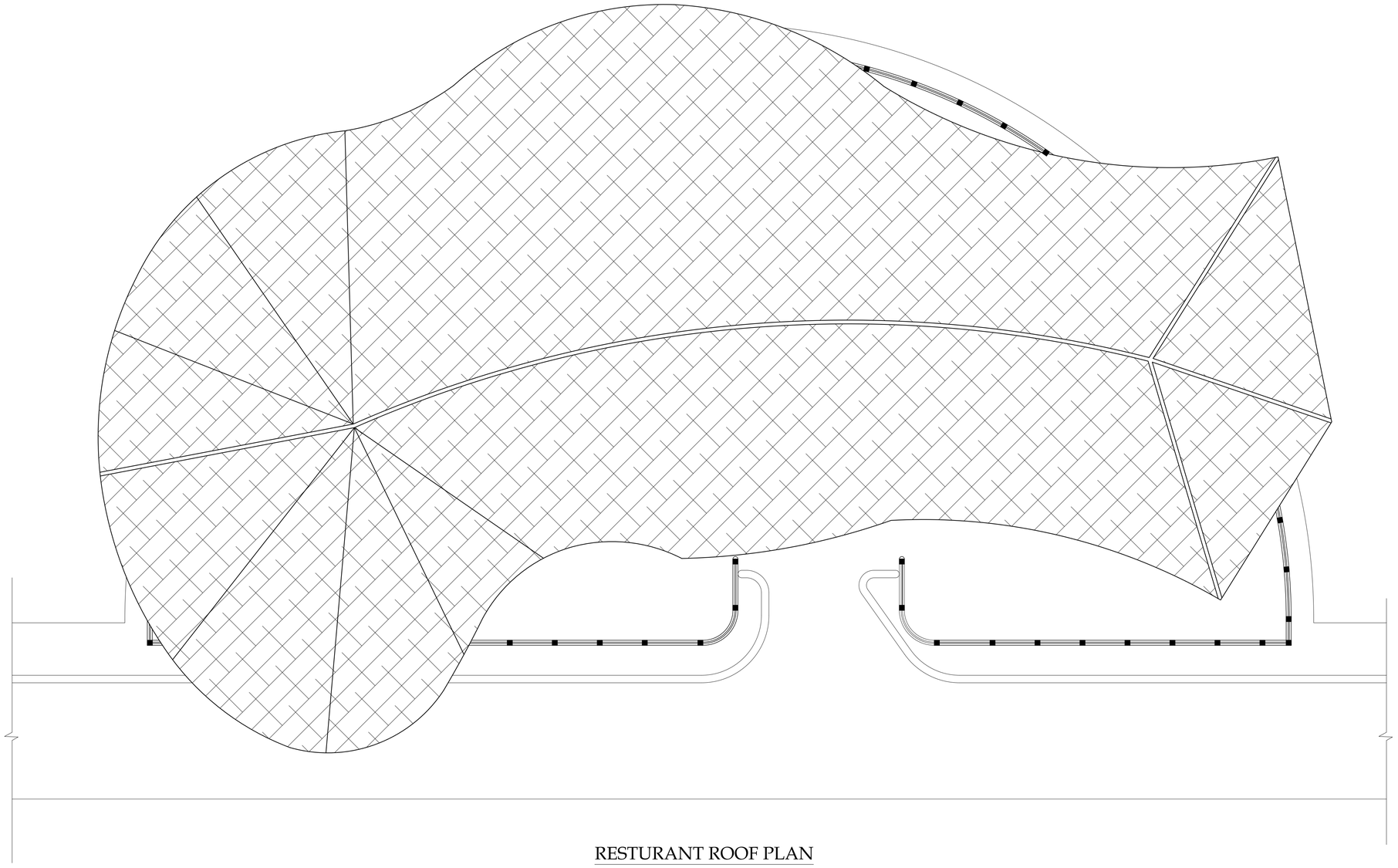
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



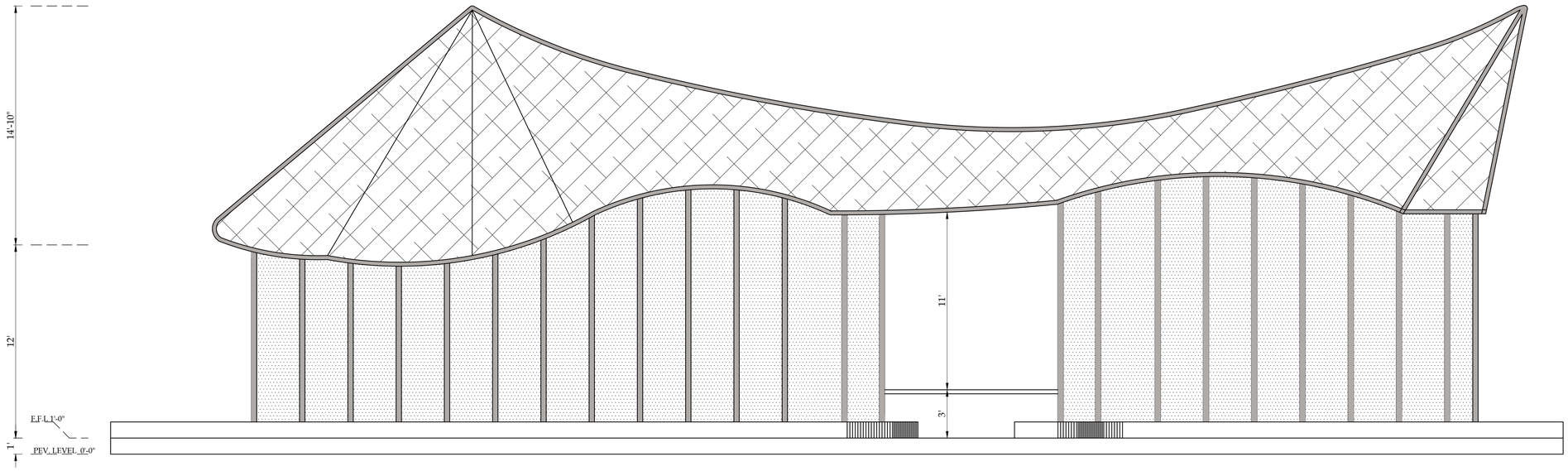

RESTURANT PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | LAYOUT PLAN | AR-401 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |



RESTURANT ROOF PLAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** ROOF PLAN | **DRAWING NO:** AR-402 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | **SCALE:** | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | **SHEET:** A3 | | | |
| | | | DATE: | MARCH - 2025 | | | | | |




ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR-403 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

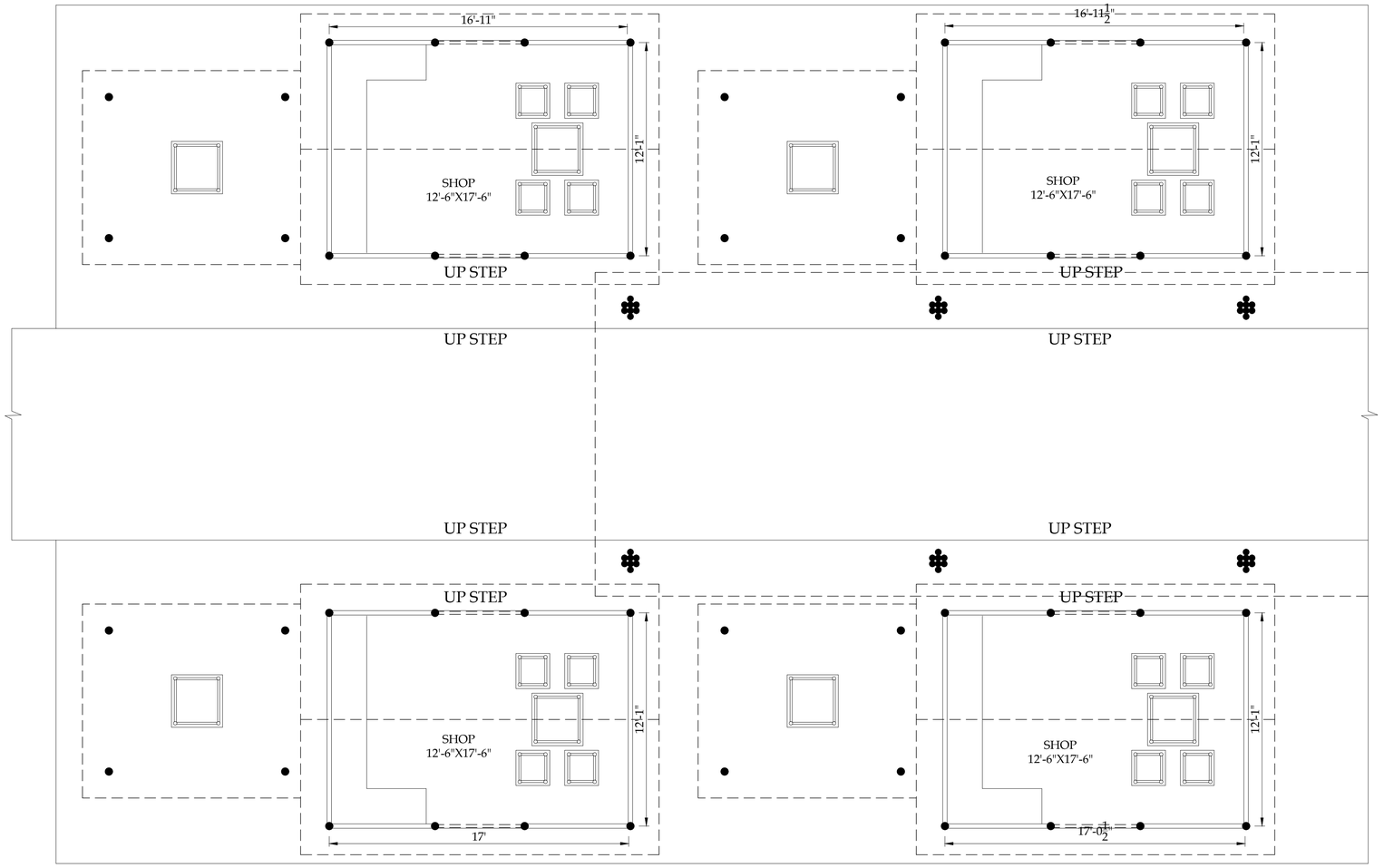
CRAFT BAZAR

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

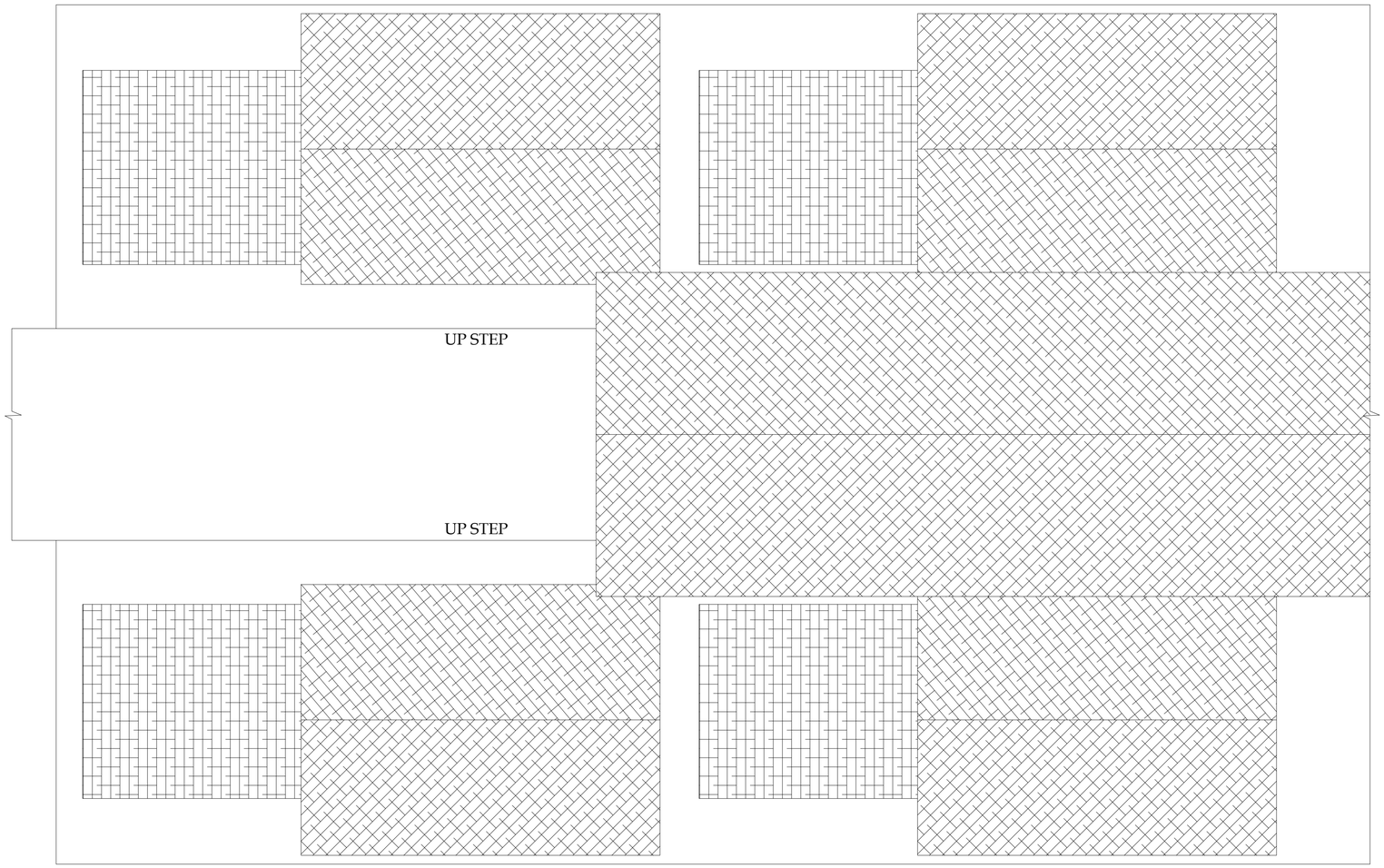
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



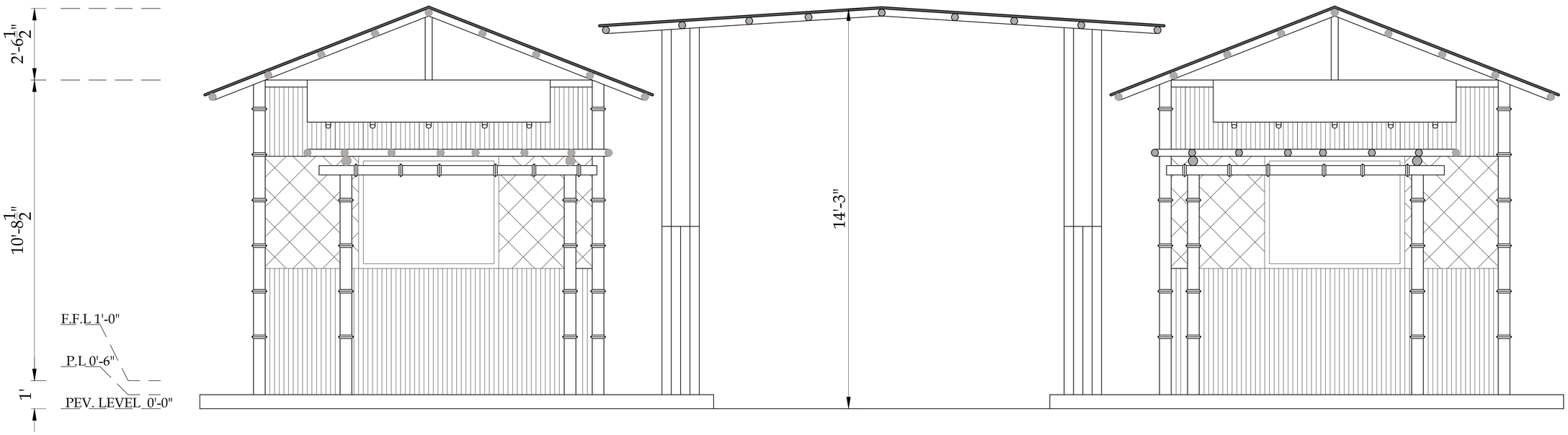

# CRAFT BAZAAR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | LAYOUT PLAN | AR-501 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |



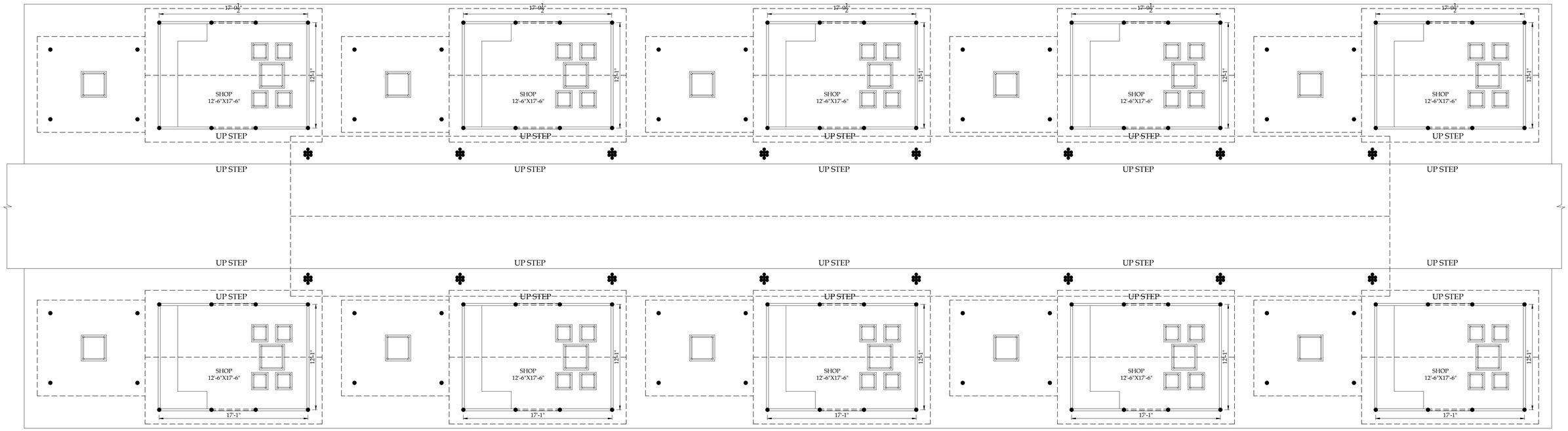

CRAFT BAZAAR ROOF PLAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | **DRAWING TITLE:** ROOF PLAN | **DRAWING NO:** AR-502 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | MARCH,2025 |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | **SCALE:** | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | **SHEET:** A3 | | | |
| | | | DATE: | MARCH - 2025 | | | | | |




# ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR-503 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




CRAFT BAZAAR MASTER PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | CRAFT BAZAR MASTER PLAN | AR-504 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

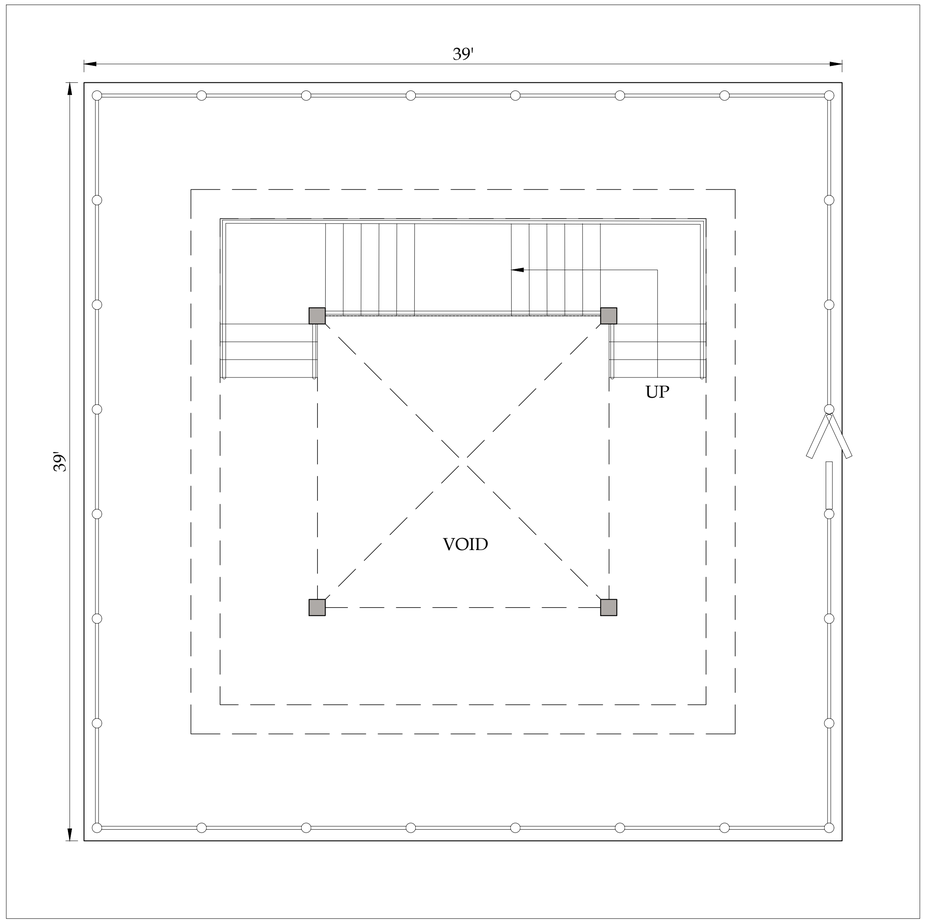
WATCH TOWER

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

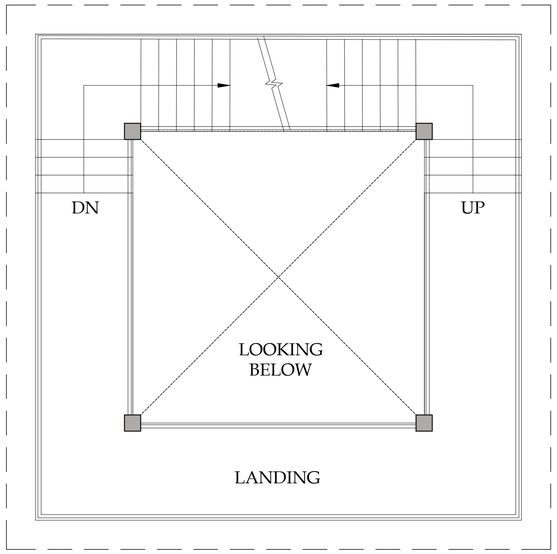
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

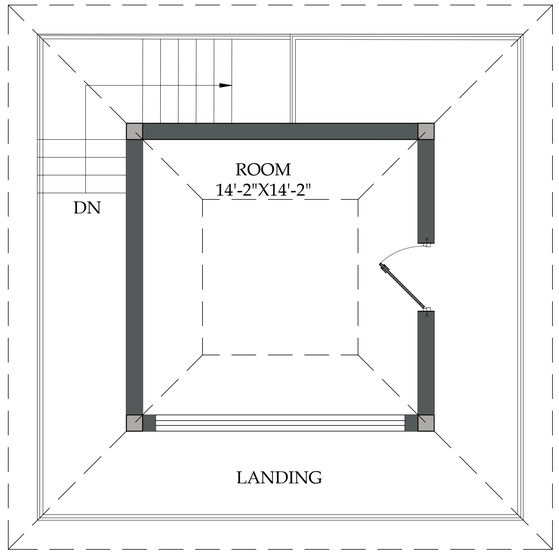



ELEVATION-A

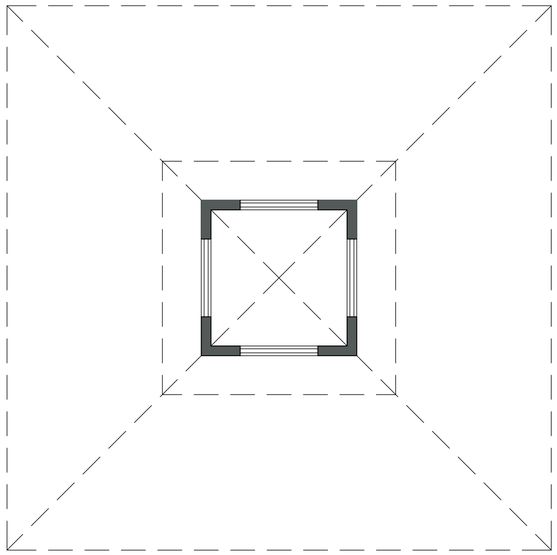
GROUND FLOOR PLAN




FIRST FLOOR PLAN

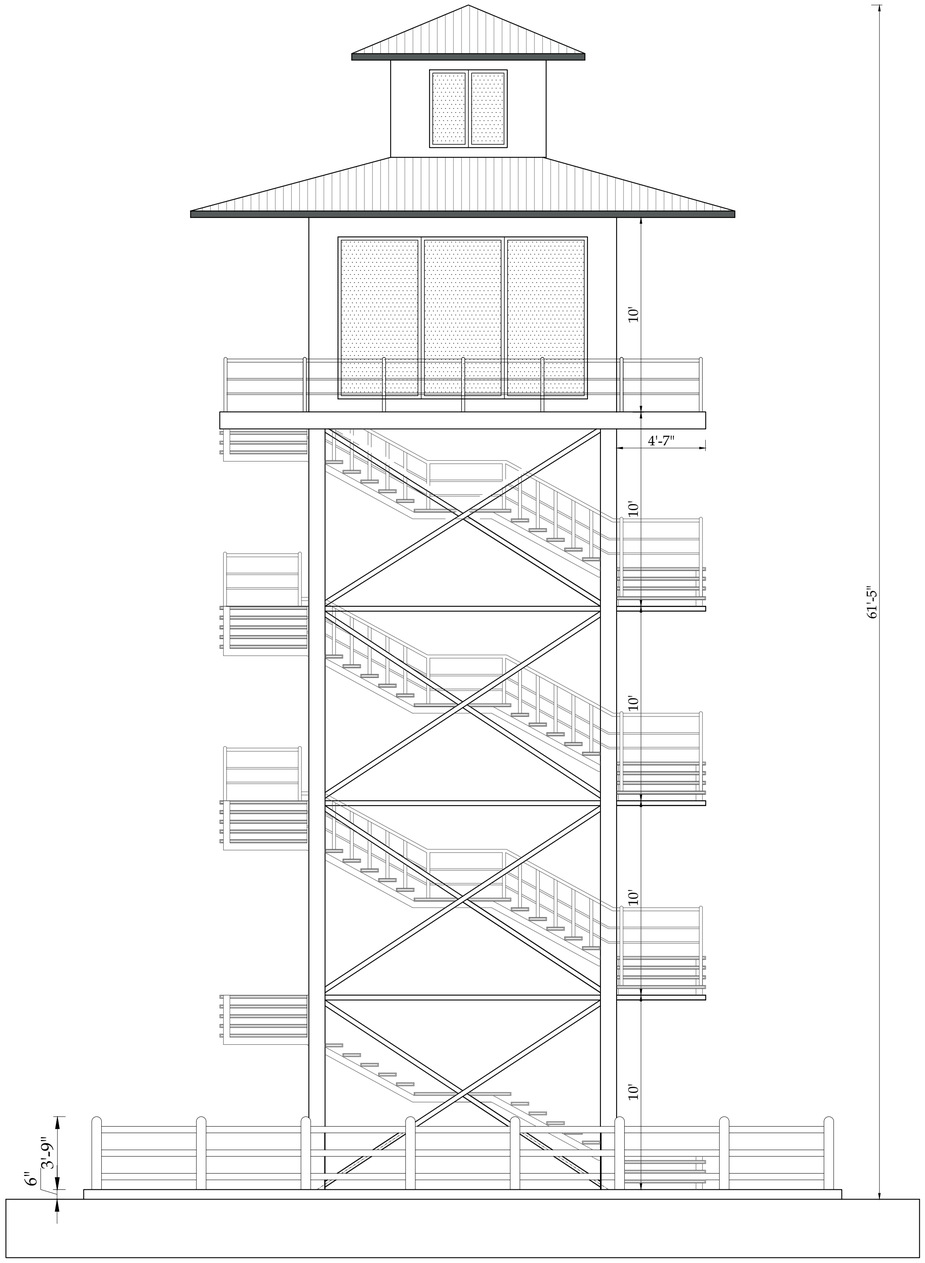



SECOND FLOOR PLAN



TOP FLOOR PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | WATCH TOWER PLANS | AR-601 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




ELEVATION-A

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | WATCH TOWER ELEVATION | AR-602 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

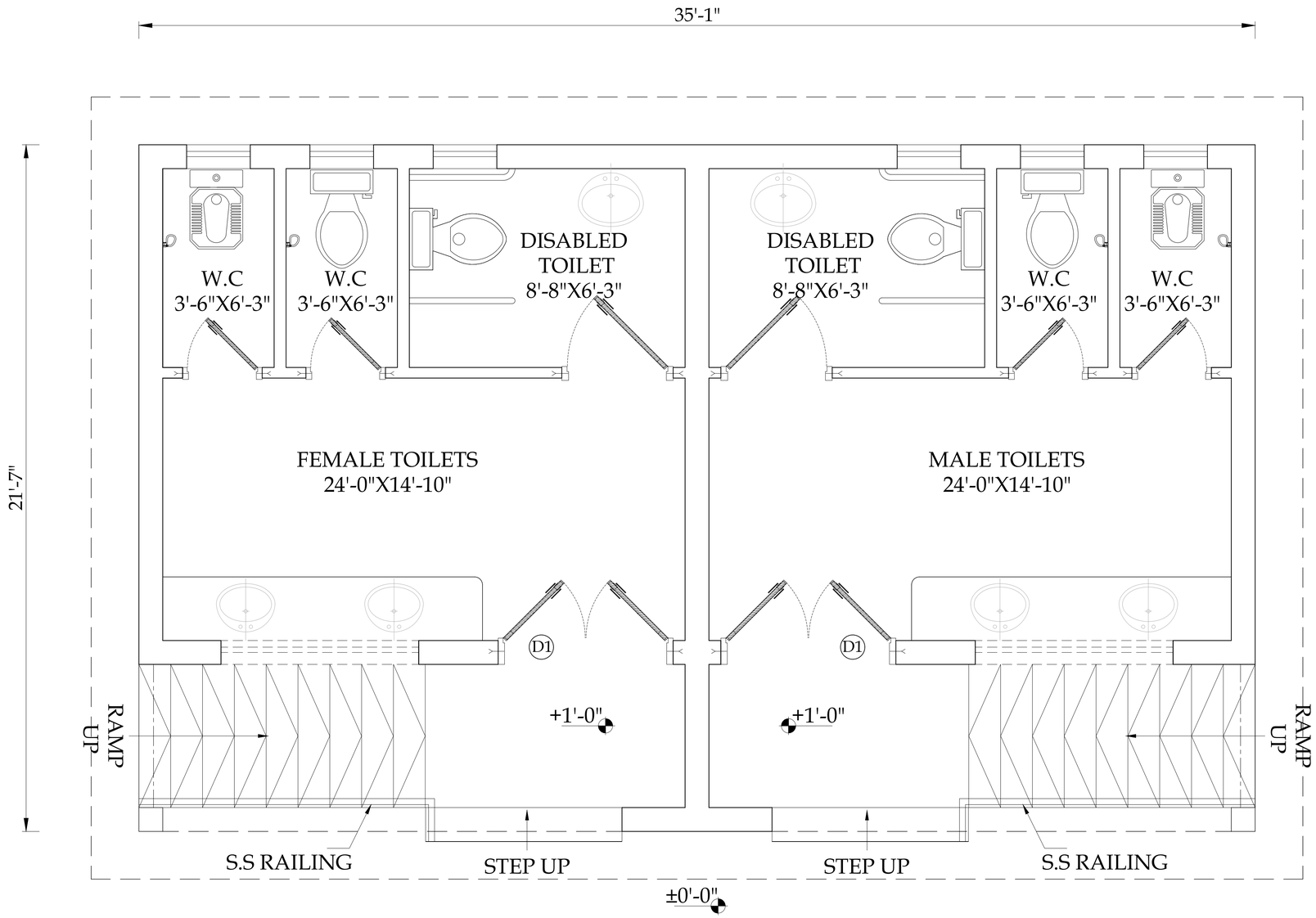
REST ROOMS

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

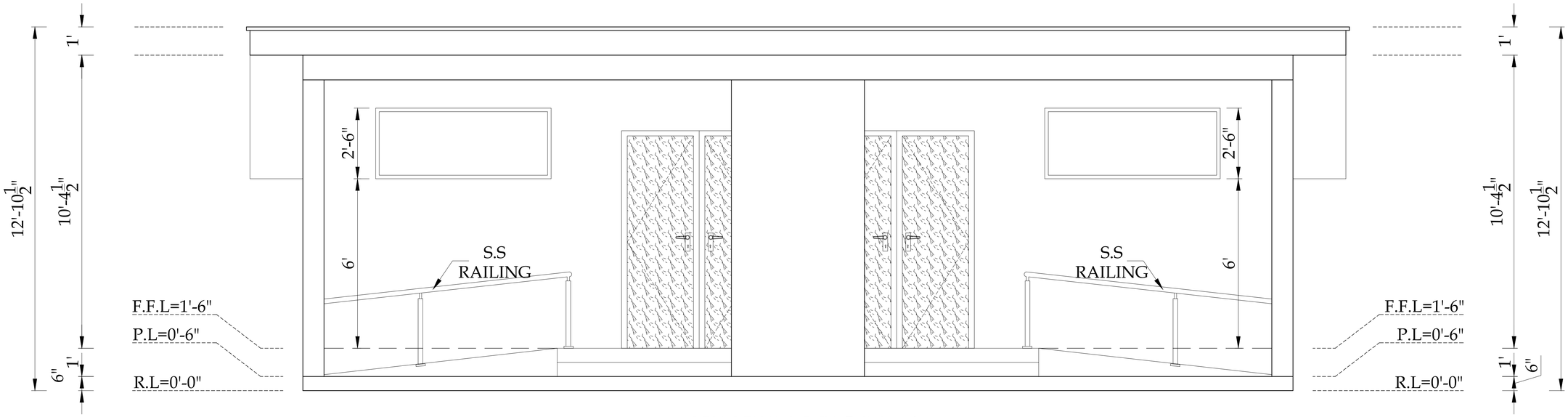
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# TOILETS MAIN PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | REST ROOM (3+3) LAYOUT PLAN | AR-701 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




# ELEVATION-A

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | ELEVATION | AR-702 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

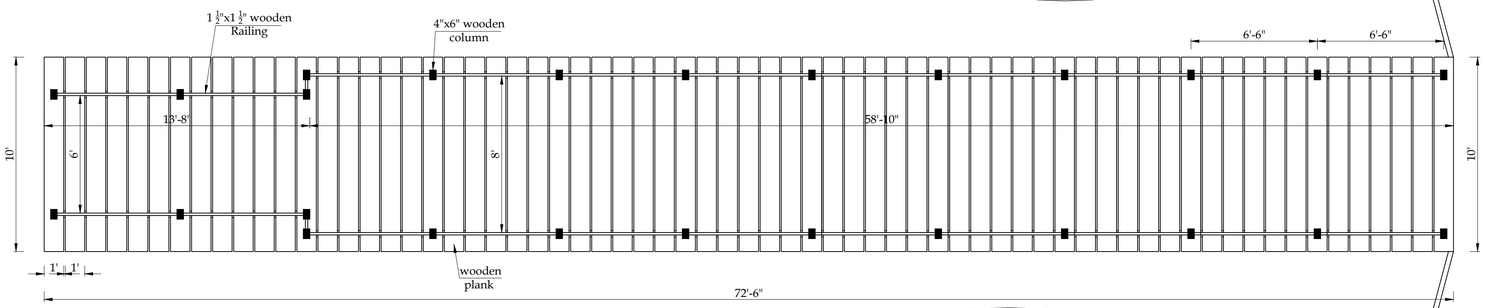
BOATING DECK

**CLIENT:**

**GOVERNMENT OF THE PUNJAB**

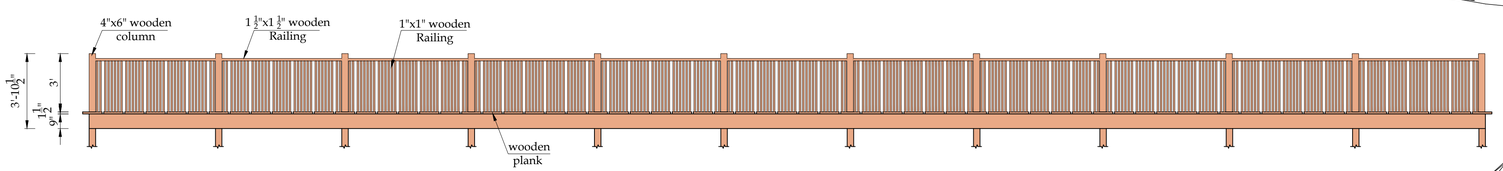
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




PLAN

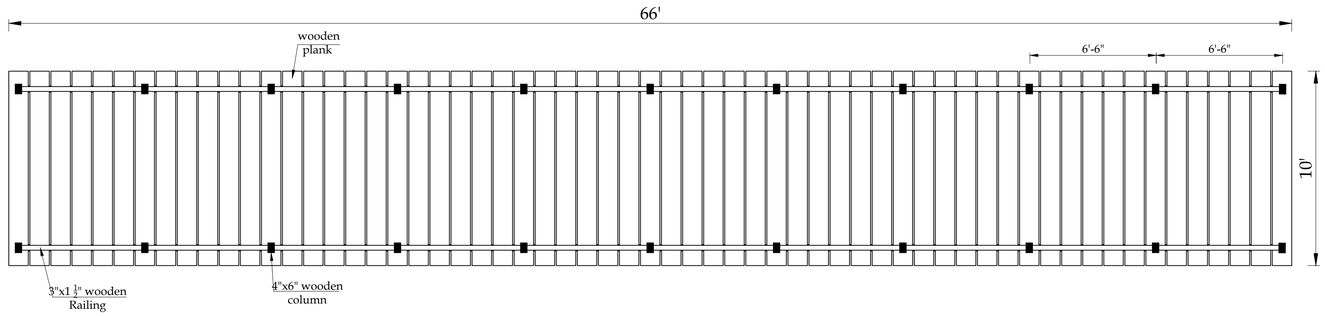
SCALE:- 3/16" = 1'-0"

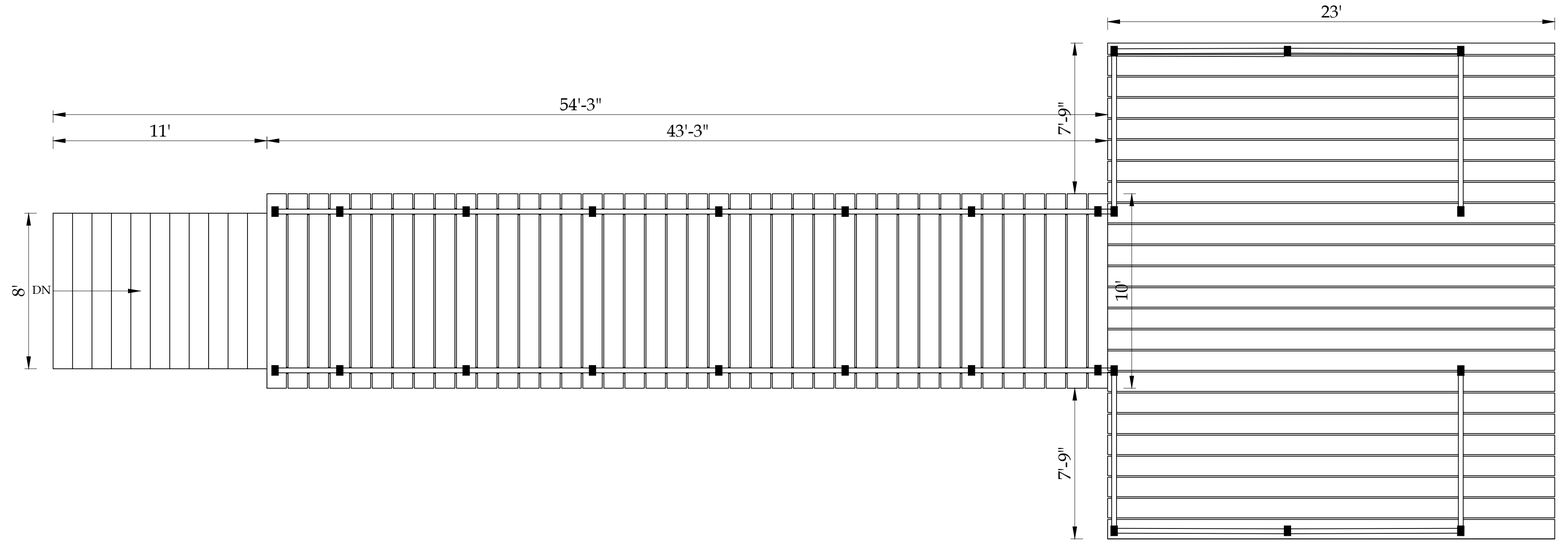


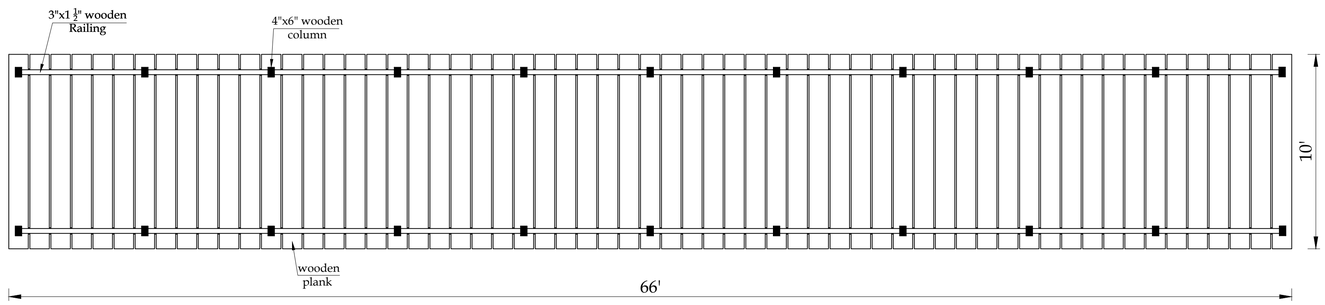

ELEVATION

SCALE:- 3/16" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | BOATING DECK PLAN & ELEVATION | AR-801 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

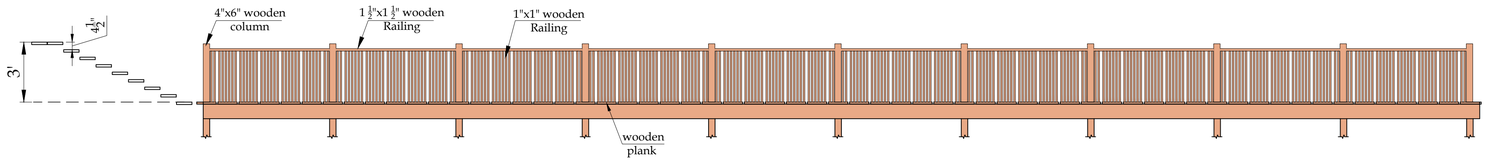



# PLAN

SCALE:- 1/8" = 1'-0"




# ELEVATION

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | PAINTING & PHOTOGRAPHY DECK PLAN & ELEVATION | AR-802 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | A3 | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |

# ARCHITECTURAL
# WORKING DRAWINGS

## PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)

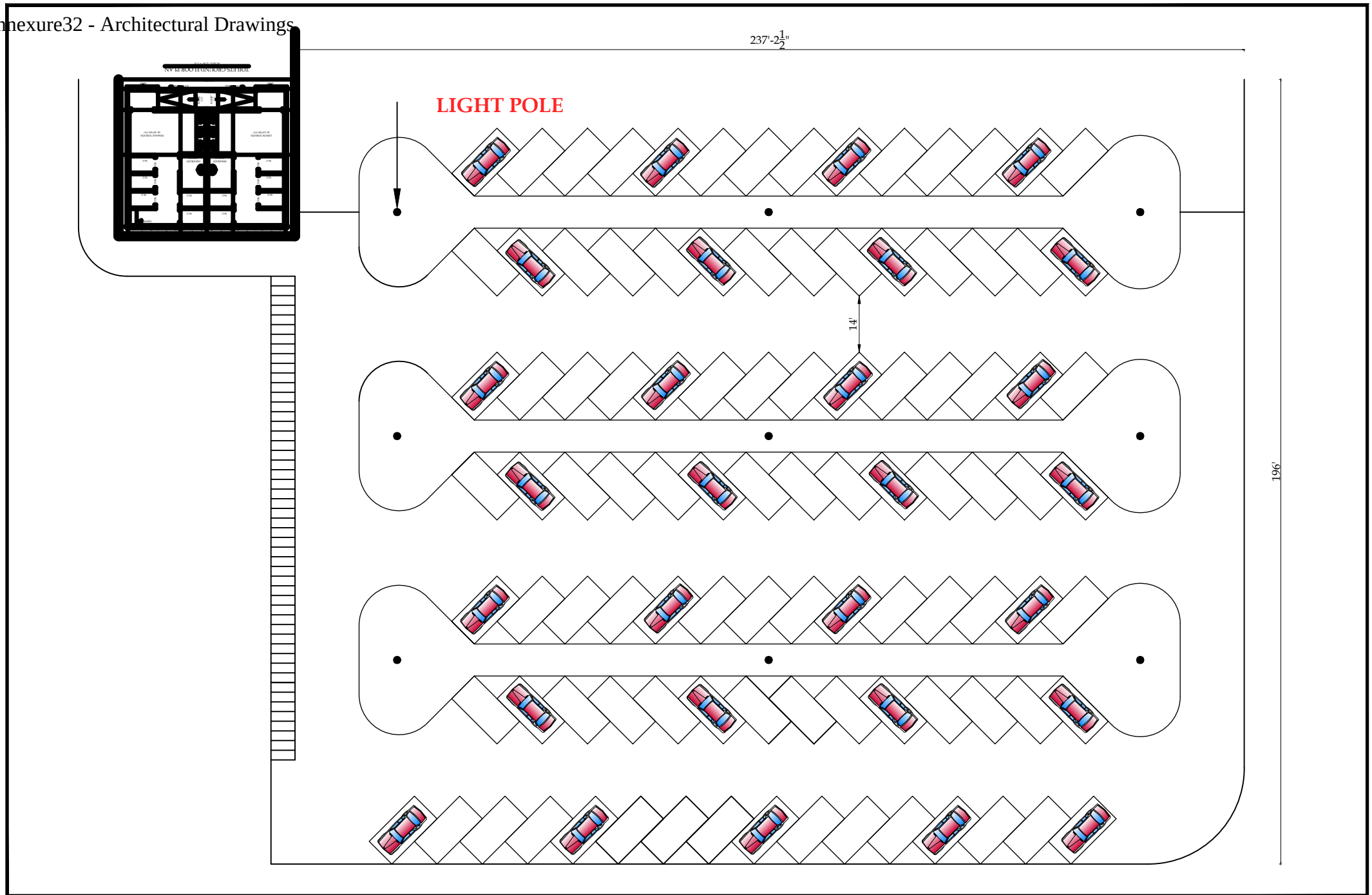
CAR PARKING

**CLIENT:**

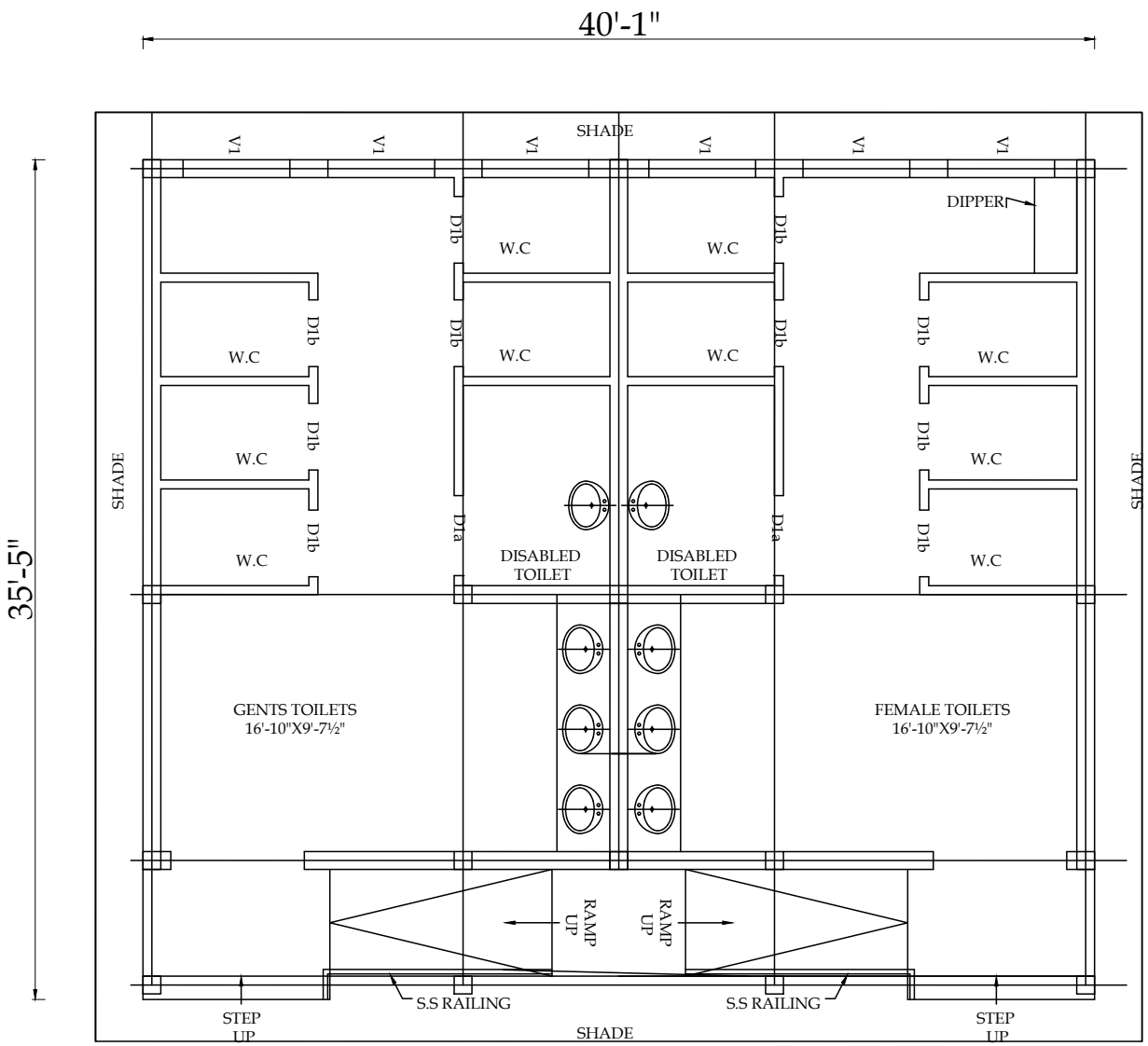
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>283-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: | MUDASSAR HUSSAIN | CAR PARKING LAYOUT PLAN | AR-901 | | | | | MARCH,2025 |
| | | | DESIGNED BY: | MIR SHEHREYAR | | | | | | | |
| | | | CHECKED BY: | Ar.ZEESHAN ALI | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | Ar.ZEESHAN ALI | | | | | | | |
| | | | DATE: | MARCH - 2025 | | | | | | | |




# TOILETS LAYOUT PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>283-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) | DRAWN BY: MUDASSAR HUSSAIN<br>DESIGNED BY: MIR SHEHREYAR<br>CHECKED BY: Ar.ZEESHAN ALI<br>APPROVED BY: Ar.ZEESHAN ALI<br>DATE: MARCH - 2025 | | CAR PARKING TOILETS PLAN | AR-902<br>SCALE:<br>SHEET: A3 | | | | MARCH,2025 |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

UCHALI LAKE

**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

UCHALI LAKE

## GENERAL DRAWINGS

**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# UCHALI LAKE

## PROPOSED STRUCTURAL DRAWINGS FOR PC-1
## LIST OF DRAWINGS

| S. NO. | TITLE OF DRAWING | DRAWING NO. |
|---|---|---|
| GENERAL DRAWINGS | | |
| 01 | LIST OF DRAWINGS | STR-01 |
| 02 | GENERAL NOTES | STR-02 |
| STRUCTURAL DRAWINGS | | |
| RESTAURANT | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-01 |
| 02 | FOUNDATION SECTION DETAILS | STR-02 |
| 03 | PEDESTAL LAYOUT PLAN | STR-03 |
| 04 | TOP ROOF SLAB PLAN | STR-04 |
| 05 | BEAM & COLUMN SECTIONAL DETAIL | STR-05 |
| INFORMATION CENTER | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-01 |
| 02 | FOUNDATION SECTION DETAILS | STR-02 |
| 03 | COLUMN SECTION DETAILS | STR-03 |
| 04 | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-04 |
| 05 | MS ROOF PLAN | STR-05 |
| STAR GAZING TOWER | | |
| 01 | FOUNDATION LAYOUT PLAN AND DETAILS | STR-01 |
| 02 | MS SLAB FRAMING PLANS | STR-02 |
| 03 | ELEVATION | STR-03 |
| 04 | MS TRUSS ELEVATION AND DETAILS | STR-04 |
| REST ROOMS (6+6) | | |
| 01 | FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-01 |
| 02 | MS ROOF FRAMING PLAN | STR-02 |
| 03 | TRUSS ELEVATION | STR-03 |


CLIENT:
PUNJAB WILDLIFE & PARK DEPARTMENT
GOVERNMENT OF THE PUNJAB

CONSULTANTS:
ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk


PROJECT: UCHALI LAKE

| | |
|---|---|
| DRAWN BY: | M.ADNAN |
| DESIGNED BY: | M. ASAD ULLAH |
| CHECKED BY: | NAVEED NAZ |
| APPROVED BY: | SABIR HUSSAIN |
| DATE: | MARCH, 2025 |

DRAWING TITLE: LIST OF DRAWINGS

DRAWING NO: STR-01

SCALE:

SHEET: A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

# 1-GENERAL

1- READ ALL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, PLUMBING/SEWERAGE, MECHANICAL, ELECTRICAL AND ANY OTHER RELEVANT DRAWINGS.

2- NOTES GIVEN IN THIS DRAWING ARE APPLICABLE TO ALL DRAWINGS UNLESS MENTIONED OTHERWISE. NOTES WRITTEN ON A DRAWING, SHALL BE APPLICABLE TO THAT PARTICULAR DRAWING ONLY UNLESS OTHERWISE CROSS-REFERRED.

3- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATIONS OF THE CONTRACT DOCUMENTS. IN ABSENCE OF ANY SPECIFICATIONS , ALL MATERIALS, TESTS AND WORKMANSHIP SHALL CONFORM TO RELEVANT ASTM, ACI/B.S CODES AND SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.

4- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURES DURING CONSTRUCTION. HE SHALL ALSO VERIFY ALL DIMENSIONS AND LEVELS BEFORE EXECUTION OF WORK. ANY DISCREPANCY, ERROR OR OMISSION, IF FOUND, SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER FOR CORRECTION AND APPROVAL.

5- THE CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL AND ALL OTHER DICIPLINE DRAWINGS FOR SIZES AND LOCATION OF ALL STRUCTURAL MEMBERS, FLOORS, WALLS, OPENINGS, FLOOR FINISHES, PIPES ETC.

6- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXECUTION OF DEWATERING SYSTEM WHERE SO REQUIRED DURING CONSTRUCTION. HE SHALL SUBMIT HIS METHODOLOGY FOR APPROVAL OF ENGINEER BEFORE ANY ACTIVITY.

7- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND BAR BENDING SCHEDULES, 21 DAYS IN ADVANCE FOR APPROVAL, TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

8- TERMITE CONTROL TREATMENT SHALL BE CARRIED OUT AS PER SPECIFICATIONS.

9- ALL LEVELS AND DIMENSIONS ARE IN MILIMETER UNLESS OTHERWISE NOTED.

10- DO NOT SCALE THE DRAWINGS WRITTEN DIMENSIONS, GIVEN ON THE DRAWING, SHALL GOVERN.

11- ALL FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE ACI/AISC/BRITISH SPECIFICATIONS.

12- BACKFILLING AROUND FOUNDATION SHOULD BE DONE SIMULTANEOUSLY ON BOTH SIDES TO AVOID ANY LATERAL DISPLACEMENT. BACKFILLING UNDER FLOORS AND AROUND FOUNDATIONS SHALL BE DONE IN LAYERS NOT EXCEEDING 6 iNCH. IN THICKNESS AND COMPACTED UPTO 95% MODIFIED PROCTOR DENSITY.

# 2-EXCAVATION

1- EXCAVATION SHALL BE MADE TO THE LINES AND LEVELS SHOWN ON THE DRAWINGS. THE ENGINEER MAY CHANGE THE EXTENT OR THE LEVELS OF EXCAVATION DURING THE PROGRESS OF WORKS.
2- THE CONTRACTOR MAY USE STABLE SLOPES OTHER THAN THOSE SHOWN ON THE DRAWINGS WITH THE PRIOR APPROVAL OF THE ENGINEER.
3- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE EXCAVATED AREA AND SHALL KEEP THE AREA IN A SOUND AND DRY CONDITION.
4- THE TERMITE CONTROL TREATMENT SHALL BE APPLIED AFTER EXCAVATION OF FOUNDATIONS ON BEDS AND SIDE SLOPES BEFORE CONCRETING OPERATION.
5- PART OF EXCAVATED MATERIAL, AS DIRECTED BY THE ENGINEER, SHALL BE PLACED IN STOCK PILES FOR BACKFILLING. ALL OTHER MATERIAL SHALL BE DISPOSED OF IN
6- APPROVED DISPOSAL AREA AS DIRECTED BY THE ENGINEER.
7- ANY OVER EXCAVATED AREAS OR DOUBTFUL PATCHES, AS DIRECTED BY THE ENGINEER
8- SHALL BE FILLED WITH LEAN CONCRETE.

# 3-FOUNDATIONS

1. THE DESIGN OF FOUNDATION IS BASED ON BEARING CAPACITY OF 0.50 TSF, BASED ON GEO-TECHNICAL INVESTIGATIONS CARRIED OUT AT THE PROJECT SITE FOR THE UP-GRADATION OF TDCP TOURIST RESORT CONDUCTED BY BUILDING RESEARCH STATION (BRS).
2. THE EXCAVATED BED OF FOUNDATION SHOULD BE THOROUGHLY COMPACTED PRIOR TO LAYING BLINDING CONCRETE IN FOUNDATION
3. AS PER GEO-TECHNICAL INVESTIGATION REPORT OF THE PROJECT SITE IT IS RECOMMENDED TO PLACE FOUNDATION AT A DEPTH OF 4' FT FROM EXISTING GROUND LEVEL OVER 2 FT THICK STRUCTURAL PAD MADE OF SELECT GRANULAR FILL MATERIAL (35 % SAND AND 65% GRAVEL) COMPACTED TO 95% MODIFIED AASHTO DENSITY ( TOTAL EXCAVATION 6 FT REQUIRED). THE STRUCTURAL PAD SHOULD BE CONSTRUCTED 2 FT WIDER ON EACH SIDE THAN THE FOUNDATION WIDTH FOR PROPER CONFINEMENT AND RELEASE OF STRESSES. THE ENGINEER IN-CHARGE SHOULD ENSURE THE QUALITY AND COMPACTION EFFORT USED IN THE CONSTRUCTION OF STRUCTURAL PAD.
4. THE EXCAVATED BED OF FOUNDATION SHOULD BE THOROUGHLY COMPACTED PRIOR TO LAYING BLINDING CONCRETE IN FOUNDATION IT IS RECOMMENDED TO PLACE FOUNDATION
5. THE FOUNDATION BED SOIL SHOULD BE PROTECTED FROM INGRESS OF WATER FROM ANY SOURCE BY PROVIDING ADEQUATE SURFACE DRAINAGE SYSTEM AND ENSURING LEAK PROOF JOINTINGS OF SEWERAGE AND WATER SUPPLY LINES. EXCESSIVE AND UNCONTROLLED WATERING FOR CURING AND COMPACTION OF BACKFILL MATERIAL SHOULD BE AVOIDED.

# 4-REINFORCED CONCRETE

01- STRUCTURAL DESIGN IS BASED ON THE NATIONAL BUILDING CODE OF PAKISTAN AND AMERICAN CONCRETE INSTITUTE CODE OF REINFORCED CONCRETE,ACI 318.
02- ALL STRUCTURAL CONCRETE SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) REQUIREMENTS.
03- THE MINIMUM WORK COMPRESSIVE CYLINDER STRENGTH OF LEAN/BLINDING CONCRETE SHALL BE 1000 psi AT 28 DAYS.
04- THE MINIMUM COMPRESSIVE CONCRETE CYLINDER STRENGTH OF STRUCTURAL CONCRETE FOR ALL STRUCTURAL MEMBERS SHALL BE 3000 psi AT 28 DAYS
05- NO CONCRETING SHALL BE CARRIED OUT UNTIL PERMISSION IS GIVEN IN WRITING.

# 5-REINFORCING STEEL

1- ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM-A615 GRADE 60 HAVING A MINIMUM YIELD STRENGTH OF 60,000 psi.
2- WHEREVER POSSIBLE FULL LENGTH OF REINFORCING BARS SHALL BE USED TO AVOID UNNECESSARY LAPS AND WASTAGE.
3- CLEAR COVER TO REINFORCEMENT SHALL BE:

| SRTUCT.ELEMENT | COVER (INCH) |
|---|---|
| FOOTINGS/RAFT | 2" |
| BEAMS (BOTTOM) | 1.5" |
| BEAMS (SIDES) | 1" |
| COLUMNS | 1.5" |
| SLABS | 0.75" |
| WALLS (INNER FACE) | 1" |
| WALLS (OUTER FACE IN CONTACT WITH EARTH) | 2" |

4- DEVELOPMENT LENGTH

| fc' (PSI) \ Bar Size # | DEVELOPMENT LENGTH 'in' (Fy=60,000 PSI) | | | | | |
|---|---|---|---|---|---|---|
| | 03 | 04 | 05 | 06 | 07 | 08 |
| 3000 | 25 | 33 | 42 | 50 | 73 | 83 |

5- SPLICE LENGTH

| fc' (PSI) \ Bar Size # | SPLICE LENGTH 'in' (Fy=60,000 PSI) | | | | | |
|---|---|---|---|---|---|---|
| | 03 | 04 | 05 | 06 | 07 | 08 |
| 3000 | 32 | 43 | 54 | 64 | 94 | 107 |

EXCEPT AS OTHERWISE SHOWN ON THE DRAWING, WHENEVER REINFORCING BARS OF DIFFERENT SIZES ARE TO BE LAP SPLICEED IN COMPRESSION, SPLICE LENGTH SHALL BE THE LARGER OF DEVELOPMENT LENGTH OF LARGER BAR, OR SPLICE LENGTH OF SMALLER BAR.

6- ALL REINFORCING STEEL SHALL BE ACCURATELY LOCATED IN THE FORMS AND HELD FIRMLY IN PLACE BEFORE AND DURING THE PLACEMENT OF CONCRETE, BY MEANS OF WIRE AND SUPPORTS ADEQUATE TO PREVENT DISPLACEMENT DURING THE COURSE OF CONSTRUCTION.
7- DISTRIBUTION REINFORCEMENT NOT SHOWN SHALL BE PROVIDED AS #3@9" c/c FOR 6 in THICK SLAB AND #3@7" c/c FOR 8 in THICK SLAB.

# 6-CONCRETE CONSTRUCTION

1- ALL STRUCTURAL SURFACES, AGAINST WHICH EARTH IS TO BE FILLED, SHALL BE COATED WITH TWO COATS OF HOT BITUMEN OF 10/20 GRADE AT THE RATE OF 0.4 lb/ft$^2$/coat.

2- THE CONTRACTOR SHALL SUBMIT CONCRETE POURING SCHEDULE FOR ENGINEER'S APPROVAL. NO CONCRETE SHALL BE PLACED UNTIL WRITTEN PERMISSION IS GIVEN BY THE ENGINEER.

3- DURING CONSTRUCTION, STACKING OF CONSTRUCTION MATERIALS, BRICKS, etc. SHOULD BE AVOIDED ON SLAB PANELS.

4- BEFORE CASTING OF ANY STRUCTURAL MEMBER, THE CONTRACTOR SHALL ENSURE THAT ALL EMBEDDED ITEMS FOR ELECTRICAL, MECHANICAL, HVAC, PLUMBING, STRUCTURAL STEEL AND OTHER WORKS ARE PROPERLY LOCATED AND FIRMLY SECURED IN PLACE.

# 7-CONSTRUCTION JOINTS

1- JOINTS, NOT SHOWN ON THE DRAWINGS, SHALL BE SO MADE AND LOCATED AS TO APPROVAL OF THE ENGINEER. THEY SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE LEAST IMPAIR THE STRENGTH OF THE STRUCTURE AND SHALL NEED PRIOR SPANS OF SLABS, BEAMS AND JOISTS. IN WALLS AND COLUMNS SHALL BE AT THE UNDER-SIDE OF FLOOR, SLABS OR BEAMS AND AT THE TOP OF FOOTINGS OR FLOOR SLABS.
2- JOINTS SHALL BE PERPENDICULAR TO MAIN REINFORCEMENT. ALL REINFORCING STEEL SHALL BE CONTINUED ACROSS JOINTS.
3- BEAMS, GIRDERS AND HAUNCHES SHALL BE PLACED MONOLITHICALLY AS PART OF SLAB SYSTEM UNLESS OTHERWISE SHOWN IN DESIGN DRAWINGS OR SPECIFICATIONS.

# 8-SHORING AND BRACING

1- SHORE AND BRACE ALL PARTS OF THE BUILDING DURING CONSTRUCTION, TO THE EXTENT NECESSARY TO ENSURE COMPLETE SAFETY, STRENGTH AND SERVICEABILITY OF ALL STRUCTURAL ELEMENTS UNDER ALL CONDITIONS OF LOADS, WHICH MAY OCCUR DURING CONSTRUCTION. SUCH SHORING AND BRACING IS THE CONTRACTOR'S SOLE RESPONSIBILITY AND IS NOT SHOWN ON STRUCTURAL DRAWINGS OR SPECIFIED IN THE PROJECT SPECIFICATIONS.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND STABILITY OF THE ADJACENT EXISTING STRUCTURES AND SHALL PROVIDE ADEQUATE
2- SHORING AND BRACING DURING EXCAVATION AND CONSTRUCTION, WHEREVER AND WHENEVER REQUIRED TO THE SATISFACTION OF THE ENGINEER.

# 9-BRICK WORK

1- ALL BRICK WORK SHALL CONFORM TO SPECIFICATIONS GIVEN IN THE CONTRACT DOCUMENT.
2- ALL BRICKS SHALL BE SOUND, HARD, WELL BURNT AND OF UNIFORM SIZE,COLOUR AND TEXTURE. DIMENSIONAL VARIATION IN SIZES SHALL NOT EXCEED 0.12in.
3- ALL BRICK WORK SHALL BE ERECTED PLUMB AND TRUE TO LINE AND LEVEL. THE MAXIMUM VARIATION IN ANY STOREY HEIGHT OR ANY LENGTH OF WALL SHALL BE 0.12in IN 10ft.
4- ALL BRICK MASONRY FOR WALLS SHALL BE REINFORCED WITH MIILD STEEL FLAT/REINFORCEMENT AS SHOWN ON THE DRAWINGS.
5- TESTING OF COMPRESSIVE STRENGTH OF MASONRY SHALL BE DONE, IF SO DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH ASTM E447 OR PAKISTAN STANDARD-208.
6- THE AVERAGE COMPRESSIVE STRENGTH OF TWELVE BRICKS SHALL BE NOT LESS THAN 2000 psi AND SHALL BE NOT LESS THAN 1500 psi FOR ANY INDIVIDUAL BRICK.
7- BRICK SHALL BE LAID "FROG" UPWARD WITH MORTAR JOINT AND IN ENGLISH AND FLEMISH BOND OR AS DIRECTED BY THE ENGINEER.
8- ALL BRICK MASONRY WORK FOR SUB STRUCTURE SHALL BE CARRIED OUT BY USING 1:5 CEMENT SAND MORTAR
9- ALL BRICK MASONRY WORK FOR SUPER STRUCTURE SHALL BE CARRIED OUT BY USING 1:4 CEMENT SAND MORTAR
10- ALL BRICK MASONRY WORK FOR BOUNDARY WALL SHALL BE CARRIED OUT BY USING 1:3 CEMENT SAND MORTAR
11- ALL BRICK MASONRY WALLS SHALL BE PLASTERED WITH 1:4 CEMENT SAND MORTAR.

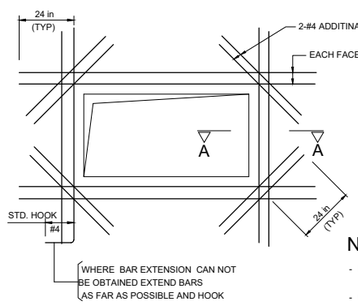
# 10-ELECTRICAL CONDUITS

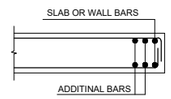
1- CONDUITS, FOR ELECTRICAL WORKS, SHALL BE PLACED WITHIN THE REINFORCED CONCRETE. THEY SHALL BE PLACED WITHIN THE MIDDLE THIRD OF THE SECTION IN BEAMS AND WITHIN THE MIDDLE HALF OF THE THICKNESS IN SLABS. SPACING BETWEEN PARALLEL CONDUITS SHALL NOT BE LESS THAN 6 in.

# 11- STRUCTURAL STEEL

1- FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE PERFORMED IN ACCORDANCE WITH AISC SPECIFICATIONS.
2- ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36 OR EQUIVALENT AS APPROVED BY THE ENGINEER.
3- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF AMERICAN WELDING SOCIETY, AWS, SPECIFICATIONS USING ELECTRODES E70XX.

# 12- REINFORCEMENT DETAIL AT OPENING IN SLAB/SLEEVES.

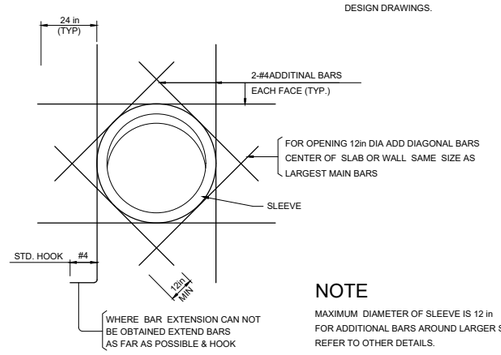



SECTION A-A

NOTES

- FOR OPENING WITH MAXIMUM DIMENSION OVER 60 in REFER TO OTHER DETAILS.
- USE THESE DETAILS IF NOT SHOWN IN DESIGN DRAWINGS.

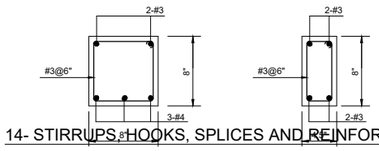



NOTE

MAXIMUM DIAMETER OF SLEEVE IS 12 in
FOR ADDITIONAL BARS AROUND LARGER SLEEVE
REFER TO OTHER DETAILS.

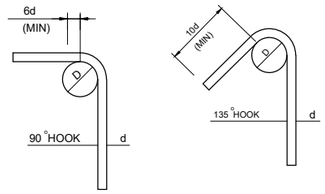
# 13- LINTEL REINFORCEMENT DETAILS.

(UP TO 72 in CLEAR SPAN)



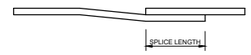

# 14- STIRRUPS,HOOKS, SPLICES AND REINFORCEMENT

BAR SPACING DETAILS.

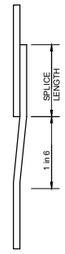



STIRRUPS AND TIE HOOKS

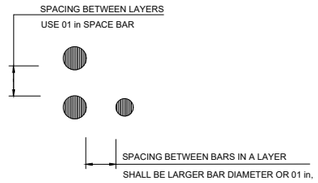
| BAR DIA | D |
|---|---|
| #3 | 2.25 in |
| #4 | 3 in |




BEAM SPLICE (TYP.)



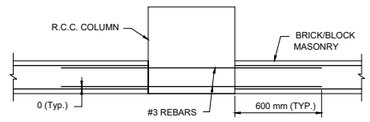

COLUMN SPLICE (TYP.)



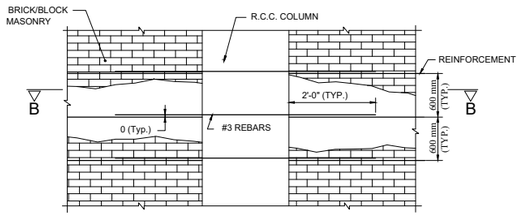

BAR SPACING IN BEAM

VERTICAL BAR SPACING IN COLUMNS

# 15- BRICK MASONRY REINFORCEMENT DETAIL.




PLAN B-B




TYP. MASONRY WALL REINFORCEMENT

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: | M.ADNAN | GENERAL NOTES | STR-01 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

UCHALI LAKE

RESTAURANT

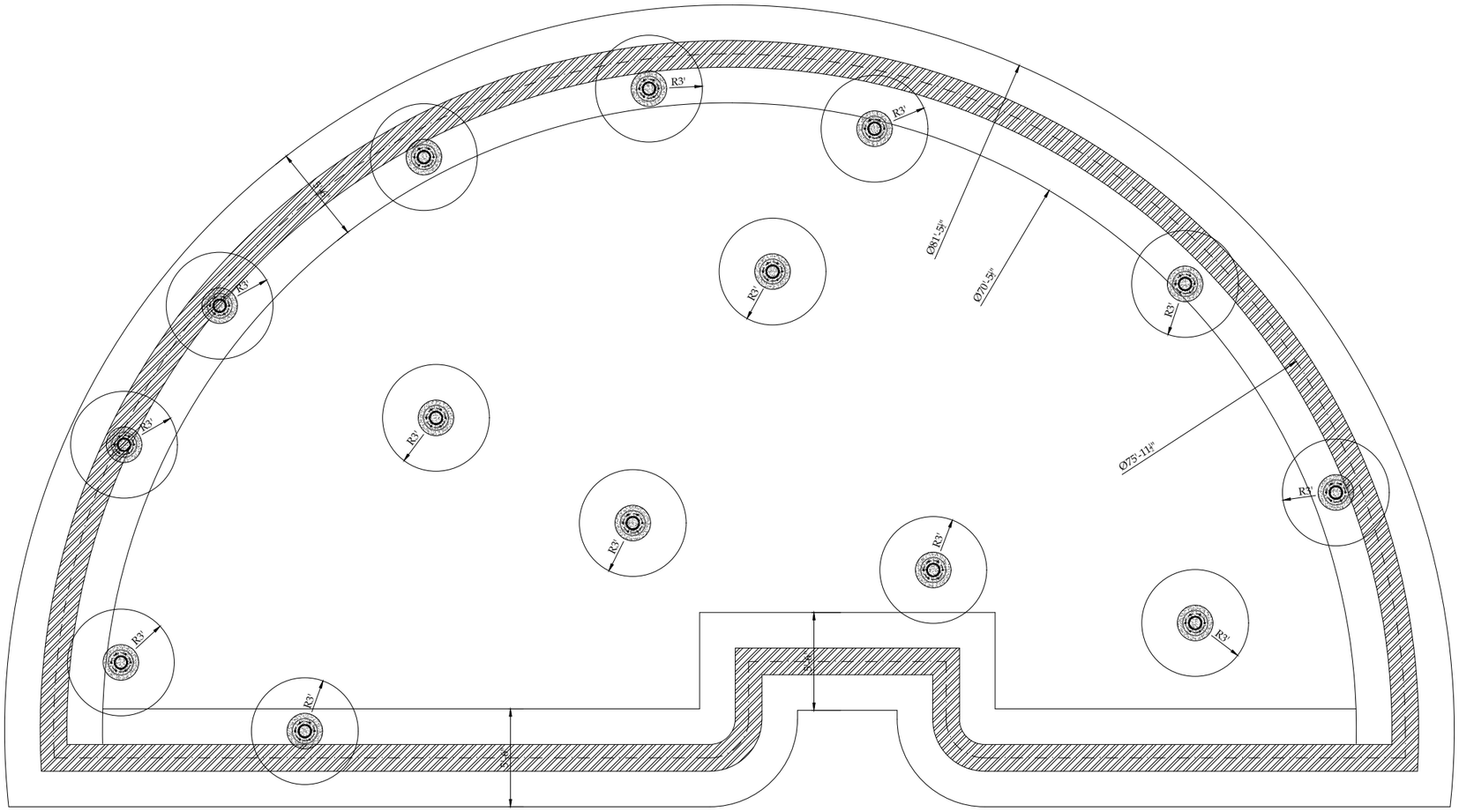
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

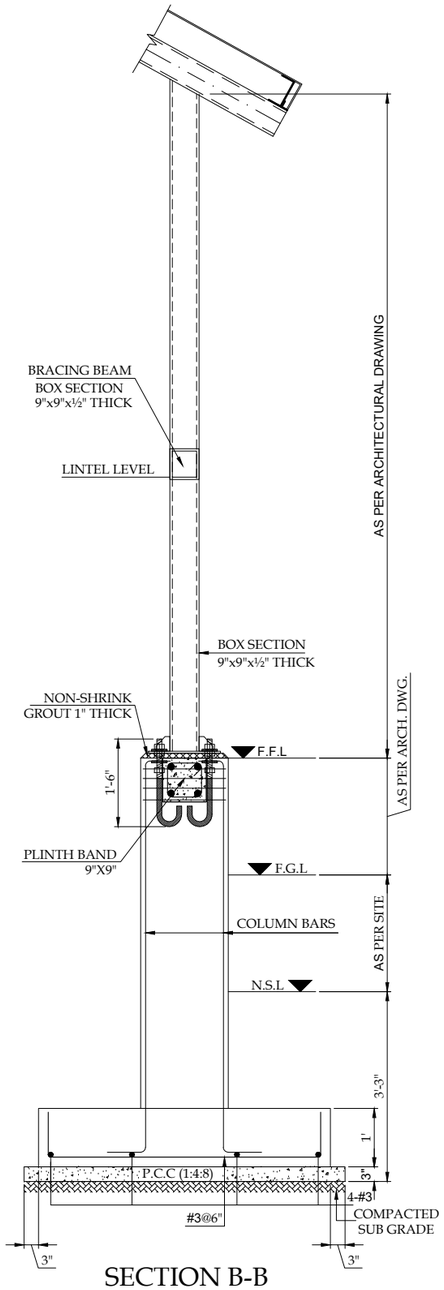
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




FOUNDATION LAYOUT PLAN

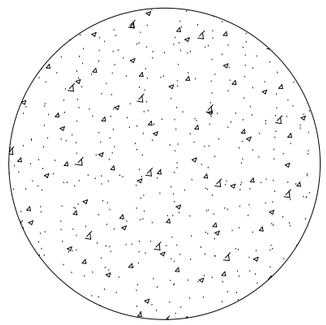
SCALE:- 3/16" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: | M.ADNAN | | RESTURANT<br>FOUNDATION LAYOUT PLAN | STR-01 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | | |



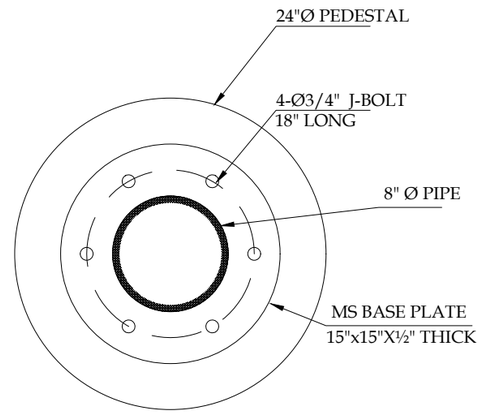

SECTION B-B

SCALE:- 3/8" = 1'-0"



PEDESTAL P-1

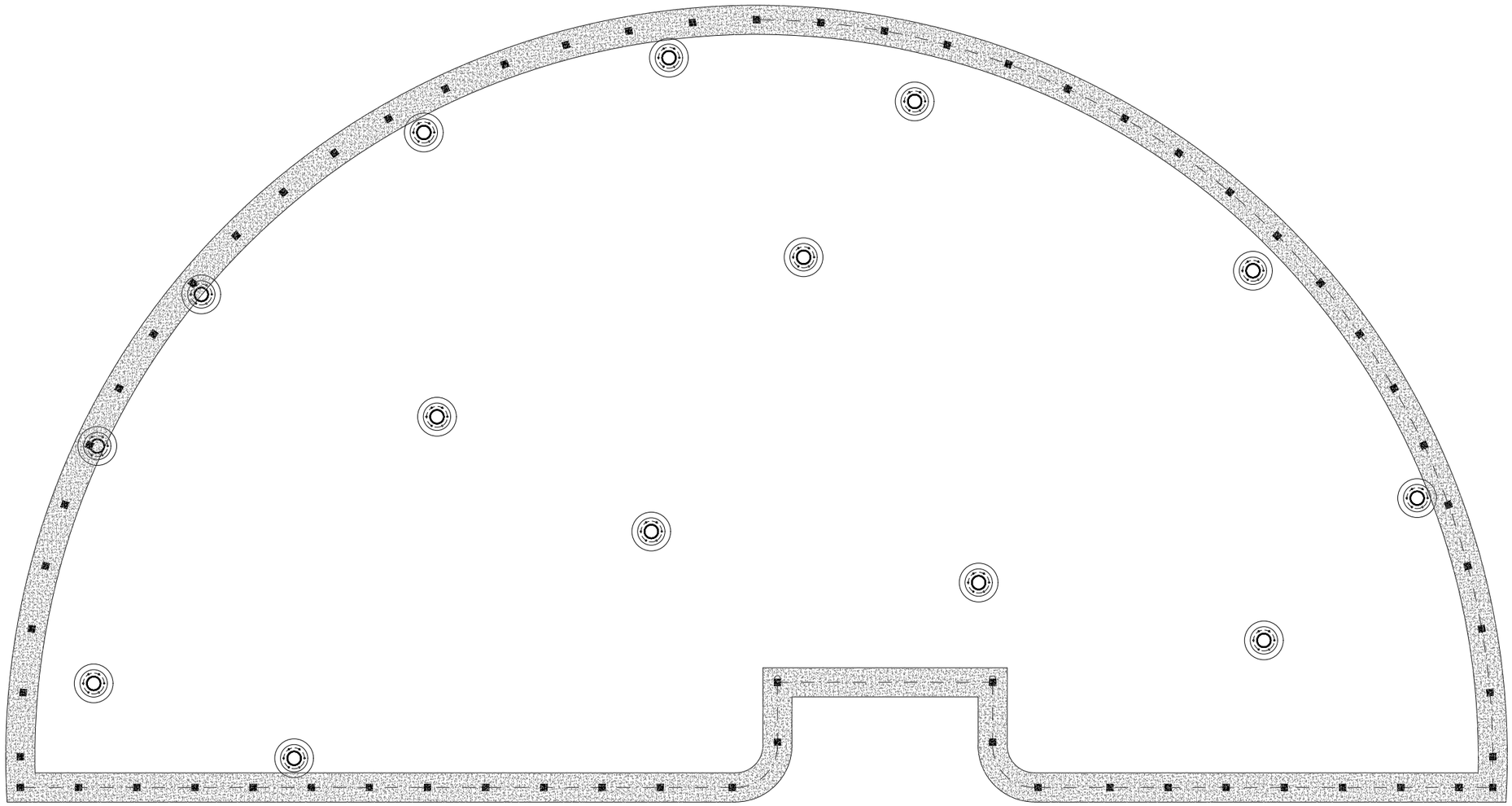
SCALE:- 1" = 1'-0"




PEDESTAL P-1

SCALE:- 1" = 1'-0"

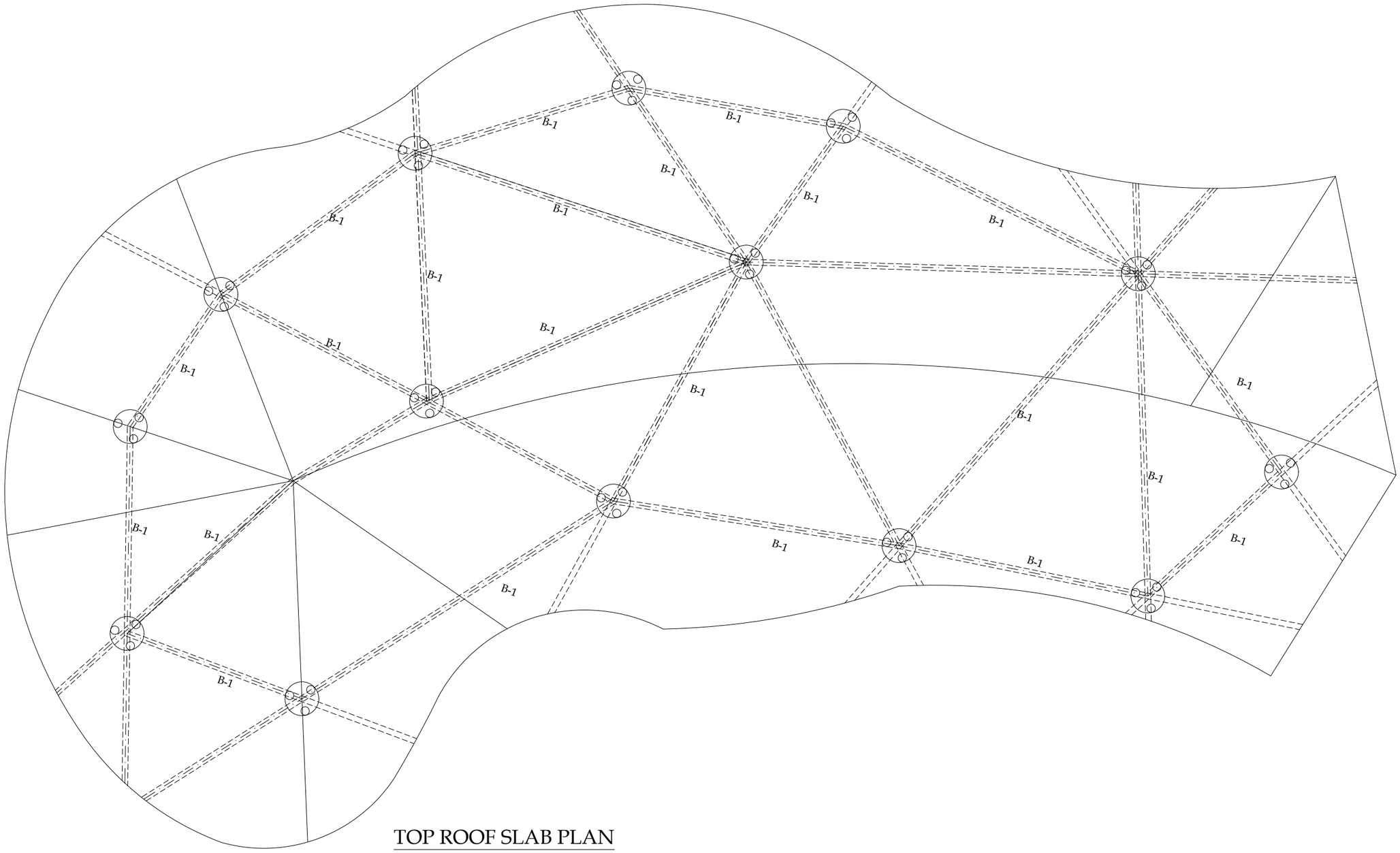
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: UCHALI LAKE | DRAWN BY: | M.ADNAN | DRAWING TITLE: RESTURANT FOUNDATION SECTIONAL DETAIL | DRAWING NO: STR-02 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: | SHEET: A3 | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | |



PEDESTAL LAYOUT PLAN

SCALE:- 3/16" = 1'-0"

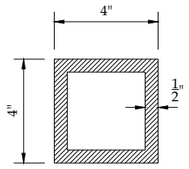
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** UCHALI LAKE | DRAWN BY: | M.ADNAN | | **DRAWING TITLE:** RESTURANT PEDESTAL LAYOUT PLAN | **DRAWING NO:** STR-03 | | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | **SCALE:** | **SHEET:** A3 | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |




# TOP ROOF SLAB PLAN

SCALE:- 3/16" = 1'-0"

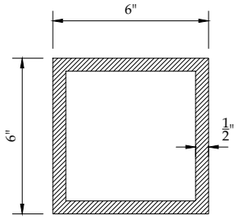
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: | M.ADNAN | RESTURANT<br>TOP ROOF SLAB PLAN | STR-04 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |




BOX SECTION

4"x4"x½"

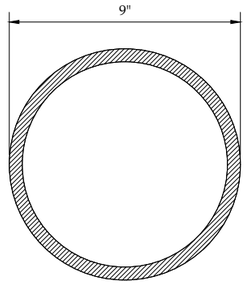
SCALE:- 1" = 4"




BOX SECTION

B-1 6"x6"x½"

SCALE:- 1" = 4"




COLUMN SECTION

6"Ø x ½"

SCALE:- 1" = 4"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** UCHALI LAKE | DRAWN BY: M.ADNAN | **DRAWING TITLE:** RESTURANT | **DRAWING NO:** STR-05 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | BEAM & COLUMN SECTIONAL DETAIL | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | |
| | | | DATE: MARCH, 2025 | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

UCHALI LAKE

INFORMATION CENTER

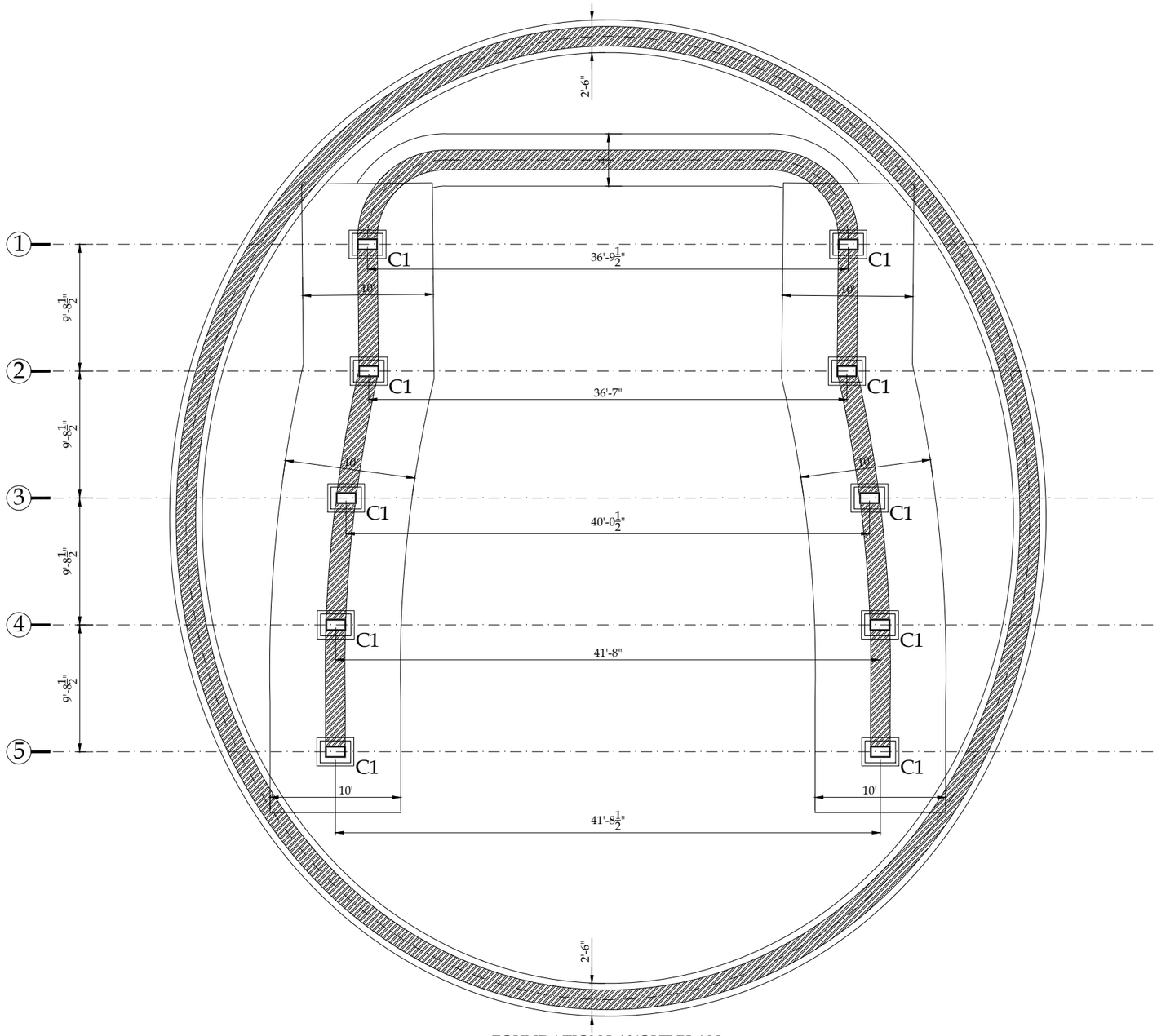
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

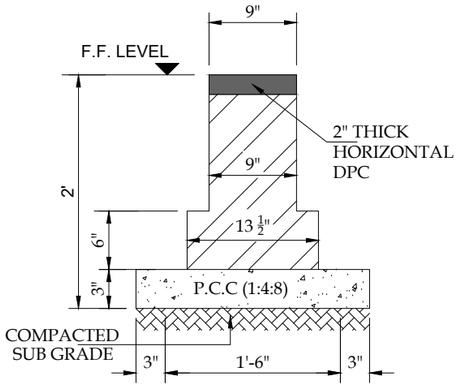
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



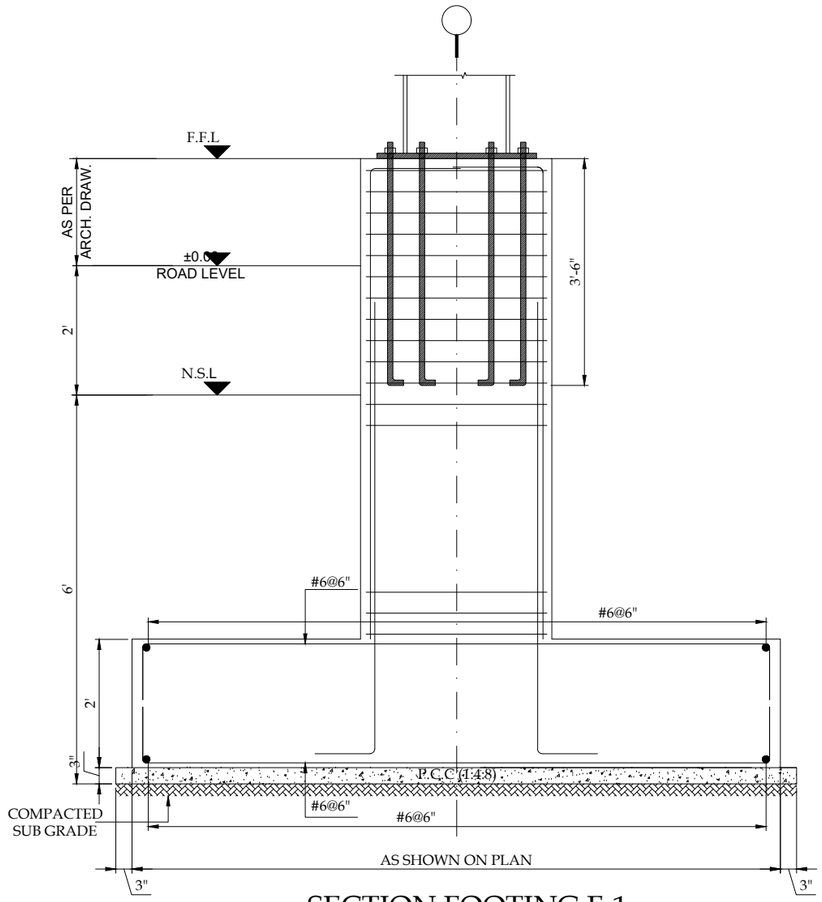

FOUNDATION LAYOUT PLAN

SCALE:- 1/8" = 1'-0"

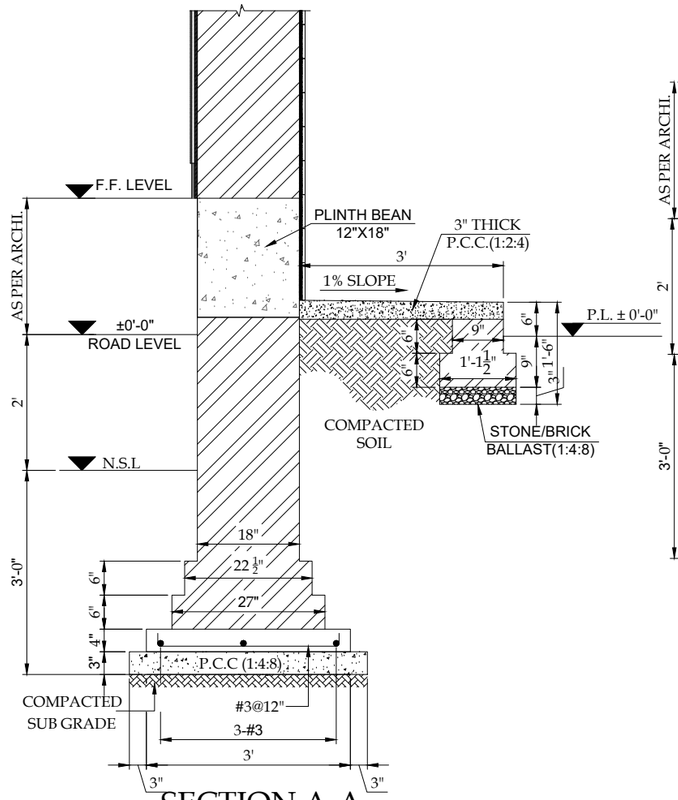
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: | M.ADNAN | INFORMATION CENTER<br>FOUNDATION LAYOUT PLAN | STR-01 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |



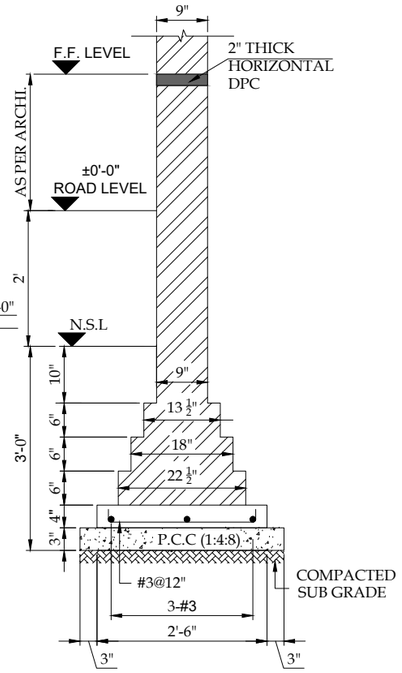

## TOE WALL FOOTING X-SECTION




## SECTION FOOTING F-1

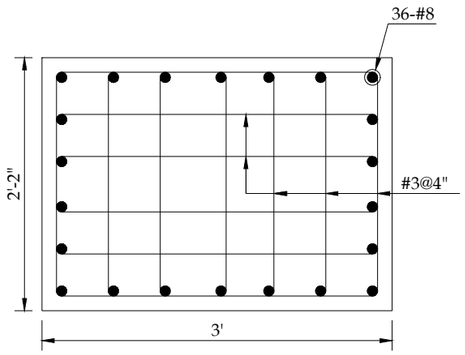



## SECTION A-A

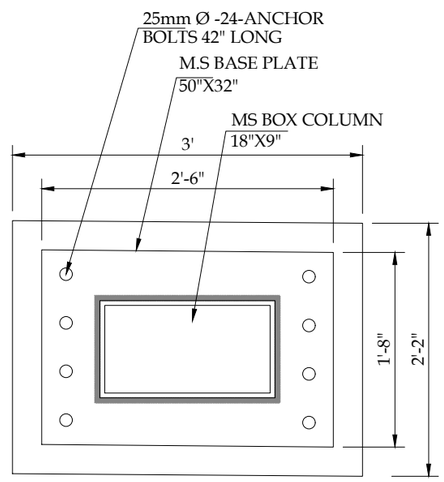



## SECTION B-B

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | INFORMATION CENTER<br>FOUNDATION SECTIONAL DETAIL | STR-02<br>SCALE: SHEET: A3 | | | | |

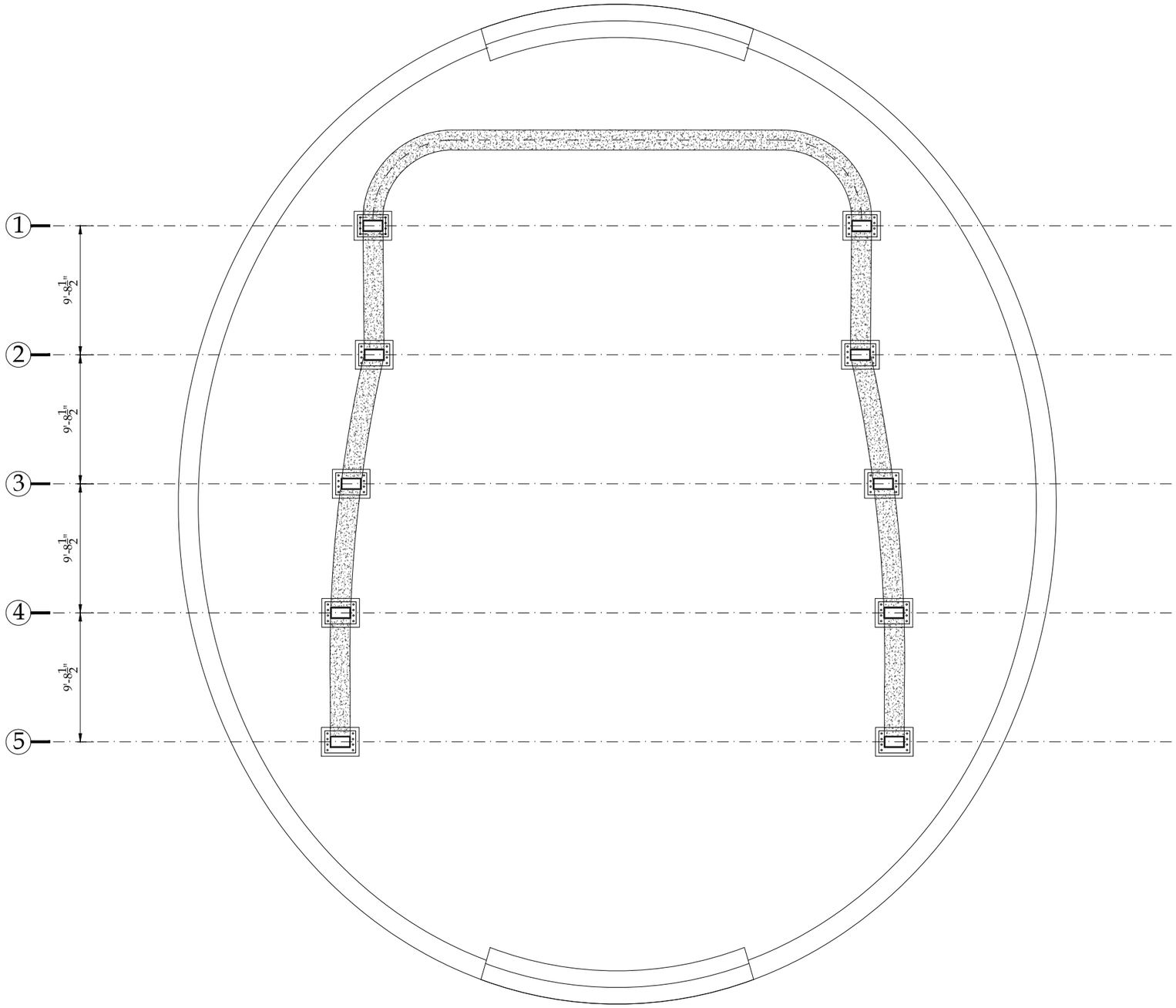



COLUMN C1



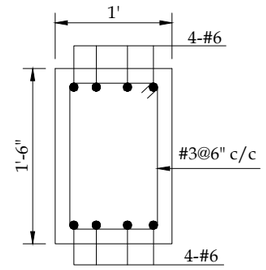

M.S BASE PLATE
FOR COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: | M.ADNAN | INFORMATION CENTER<br>COLUMN SECTIONAL DETAIL | STR-03 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: / SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |




PLINTH BEAMS FRAMING PLAN

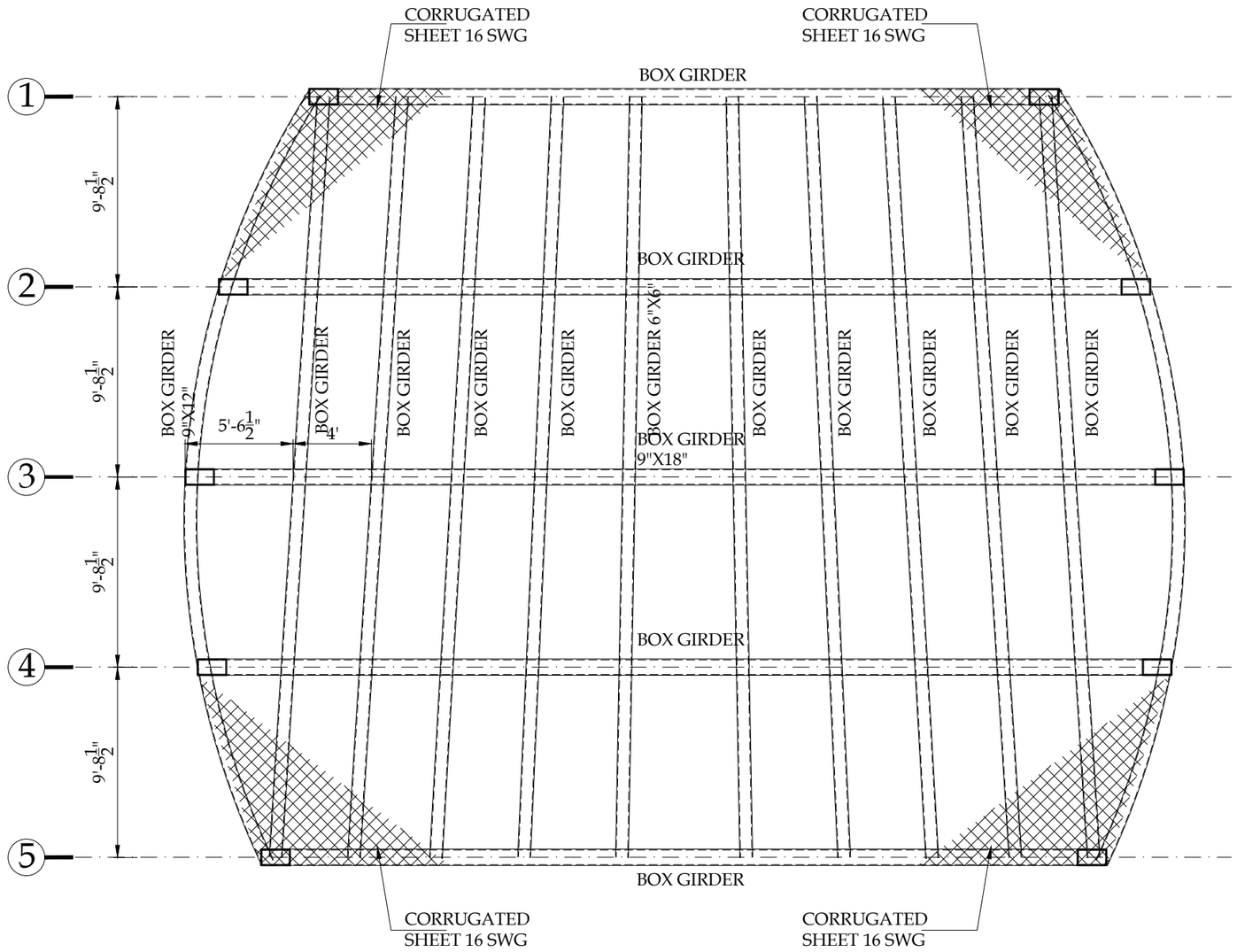
SCALE:- 1/8" = 1'-0"




PLINTH BEAM

PB-1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | INFORMATION CENTER<br>PLINTH BEAMS FRAMING PLAN & SECTIONAL DETAIL | STR-04<br>SCALE:<br>SHEET: A3 | | | | |




## MS ROOF PLAN

SCALE:- 1/8" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** UCHALI LAKE | DRAWN BY: M.ADNAN | **DRAWING TITLE:** INFORMATION CENTER | **DRAWING NO:** STR-05 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | MS ROOF PLAN | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | |
| | | | DATE: MARCH, 2025 | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

UCHALI LAKE

## STAR GAZING TOWER

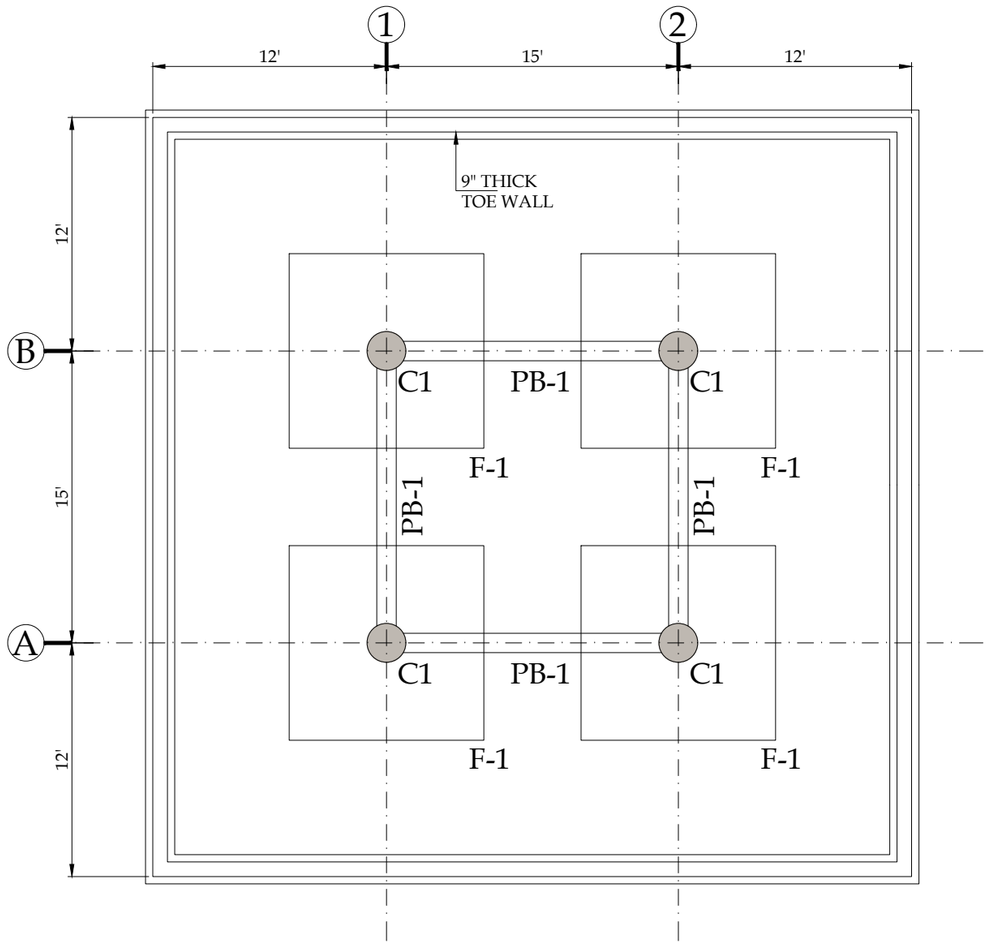
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

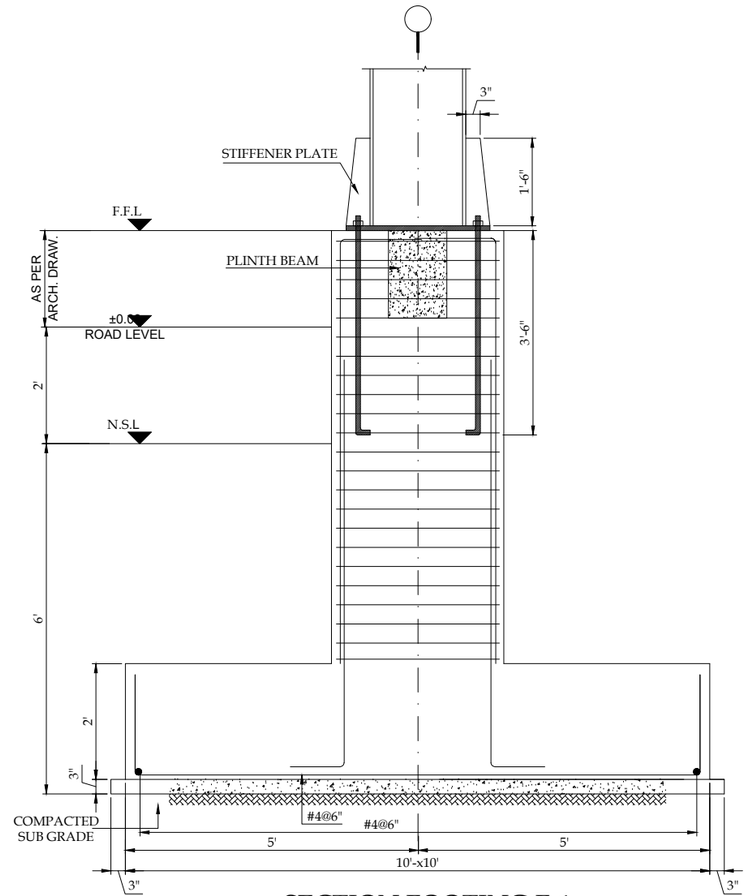
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

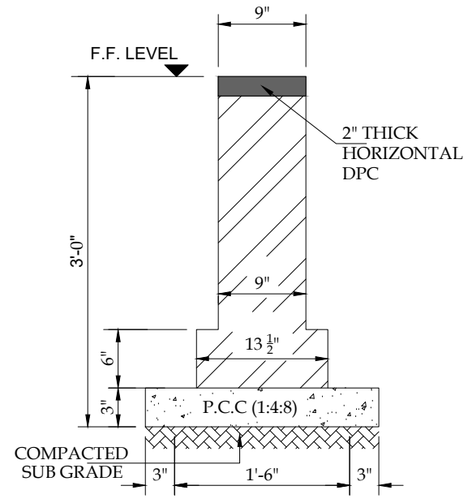
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



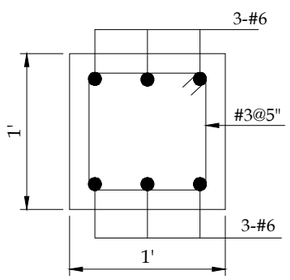

FOUNDATION LAYOUT PLAN




SECTION FOOTING F-1

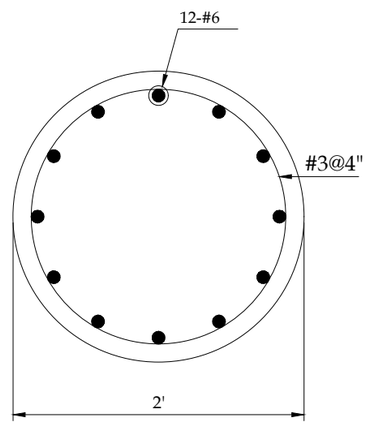



TOE WALL FOOTING
X-SECTION

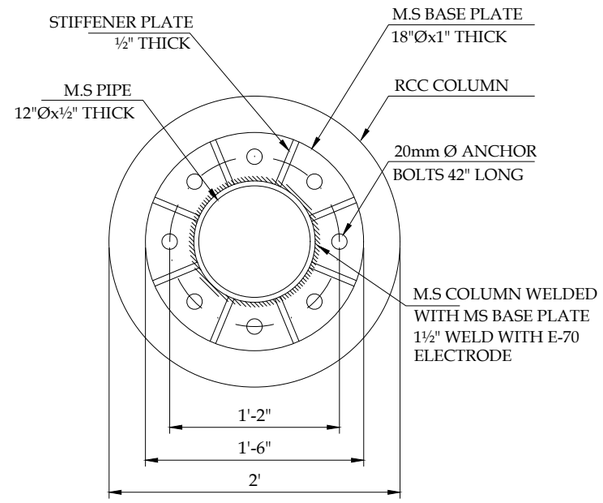



PLINTH BEAM PB-1

SCALE:- 1" = 1'-0"

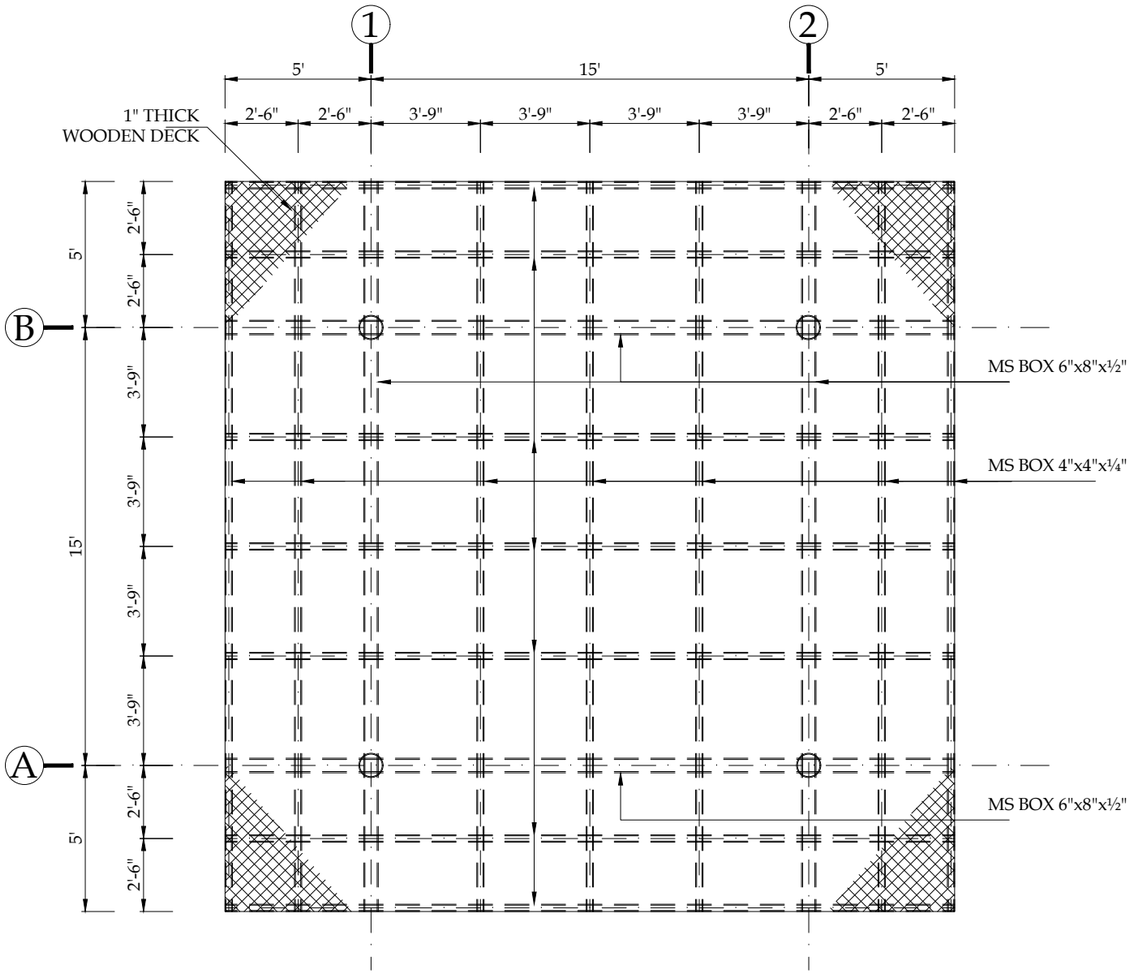



COLUMN C1

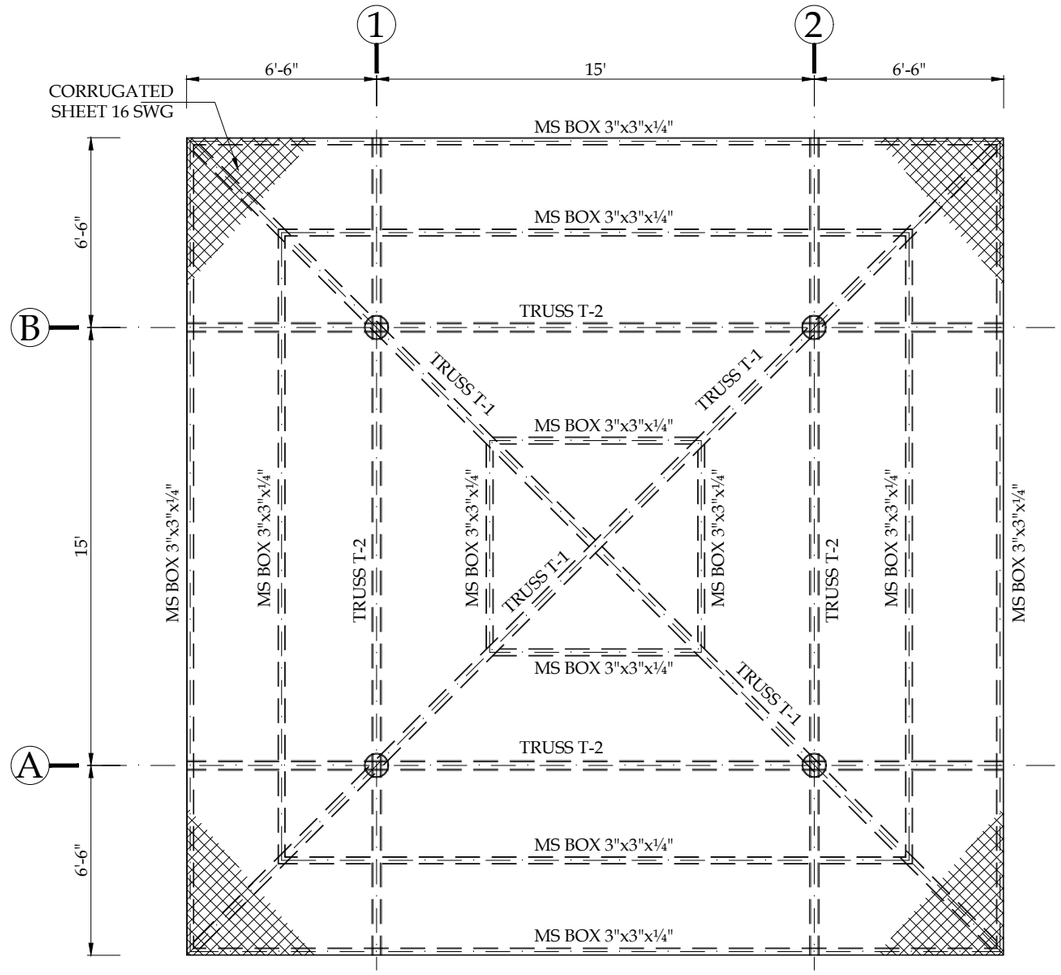



M.S BASE PLATE
DETAIL

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: | M.ADNAN | STAR GAZING TOWER | STR-01 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | FOUNDATION LAYOUT PLAN AND DETAILS | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

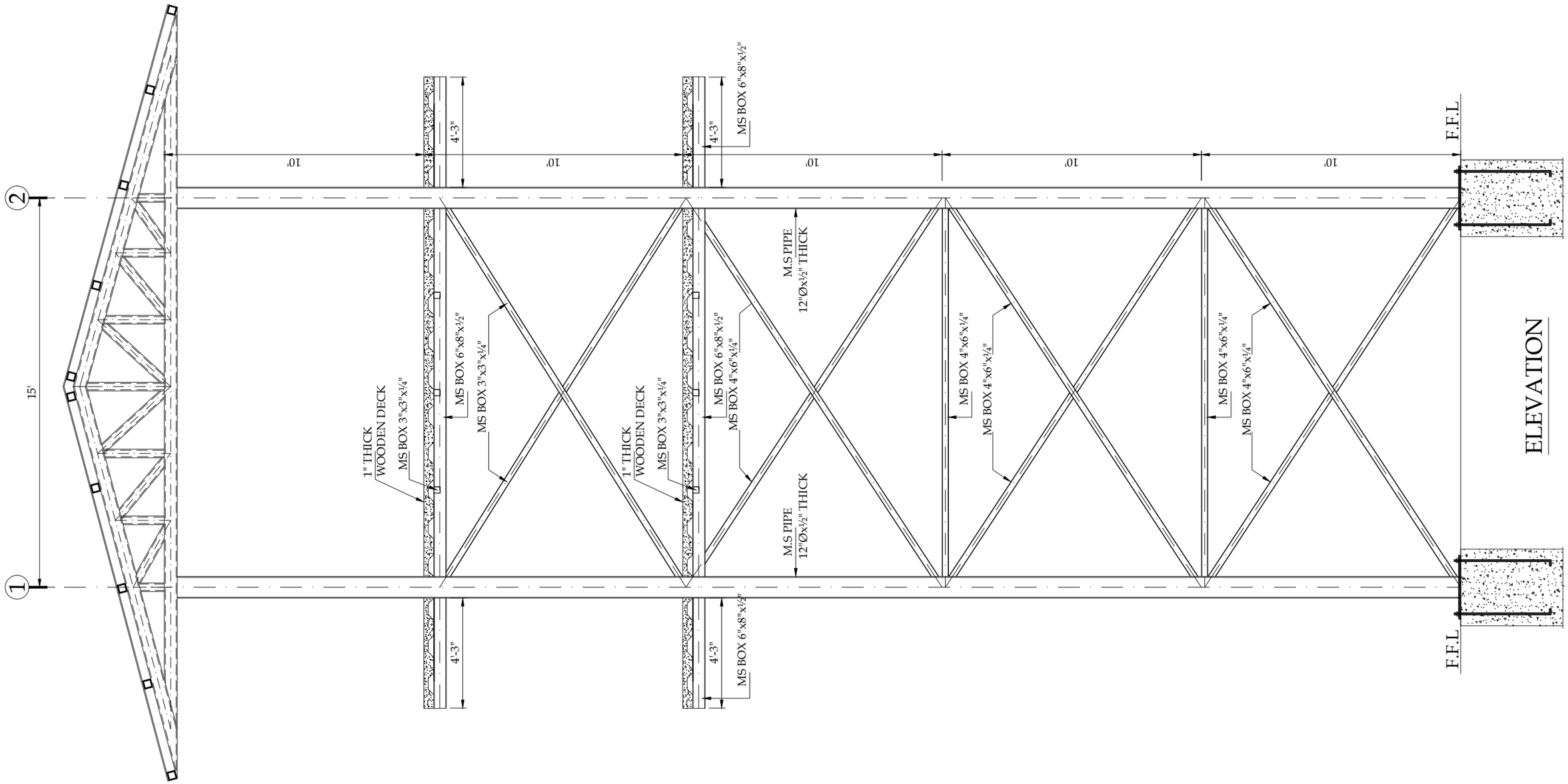



MS SLAB FRAMING PLAN

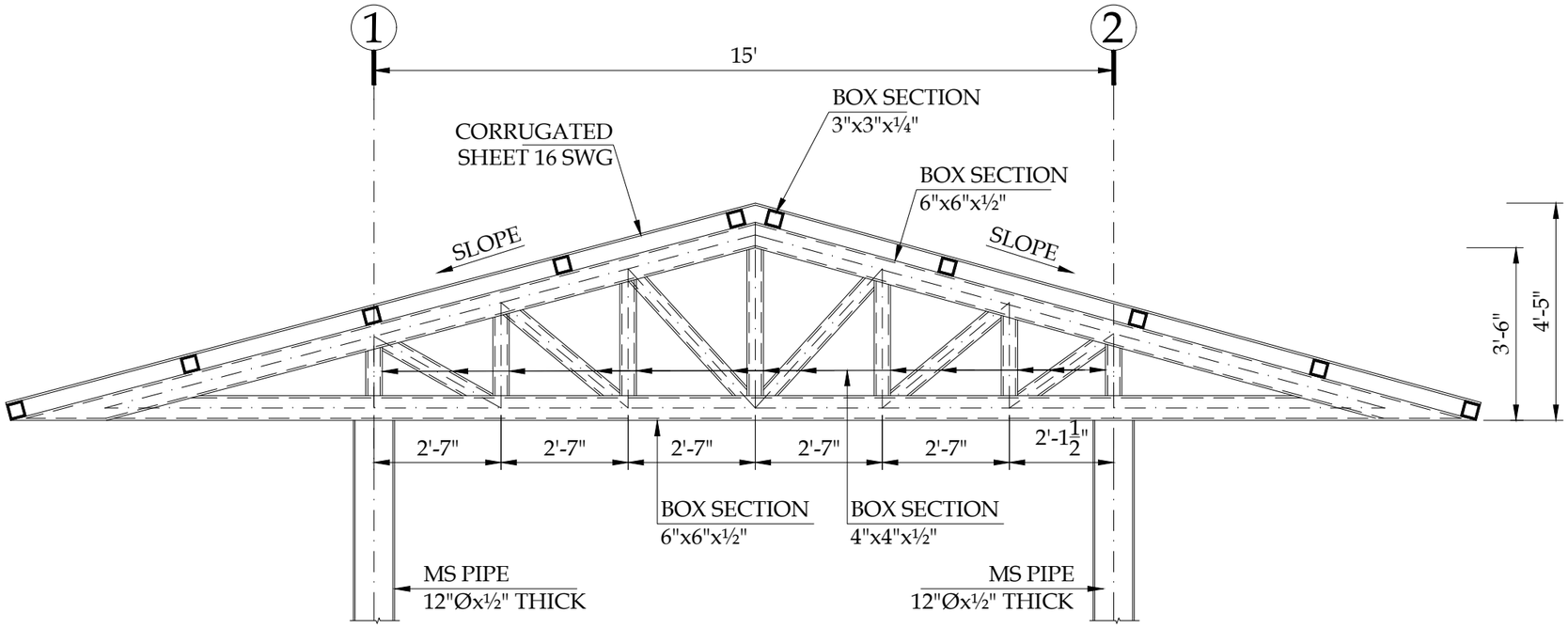



MS TOP ROOF FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | STAR GAZING TOWER<br>MS SLAB FRAMING PLANS | STR-02<br>SCALE:<br>SHEET: A3 | | | | |

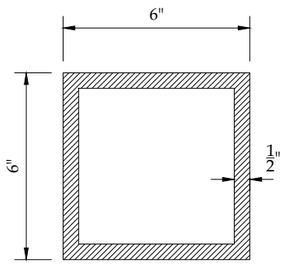



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** UCHALI LAKE | DRAWN BY: M.ADNAN | **DRAWING TITLE:** STAR GAZING TOWER | **DRAWING NO:** STR-03 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | ELEVATION | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | **SHEET:** A3 | | | | |
| | | | DATE: MARCH, 2025 | | | | | | |

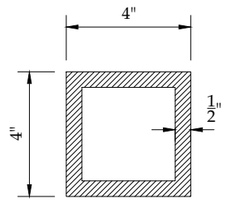



# TRUSS ELEVATION TR-1

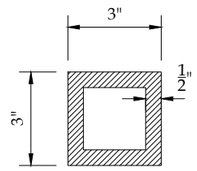
SCALE:- 1/4" = 1'-0"




BOX SECTION
6"x6"x½"
SCALE:- 1" = 4"




BOX SECTION
4"x4"x½"
SCALE:- 1" = 4"




BOX SECTION
3"x3"x¼"
SCALE:- 1" = 4"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: | M.ADNAN | STAR GAZING TOWER<br>MS TRUSS ELEVATION AND DETAILS | STR-04 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

UCHALI LAKE

REST ROOMS (6+6)

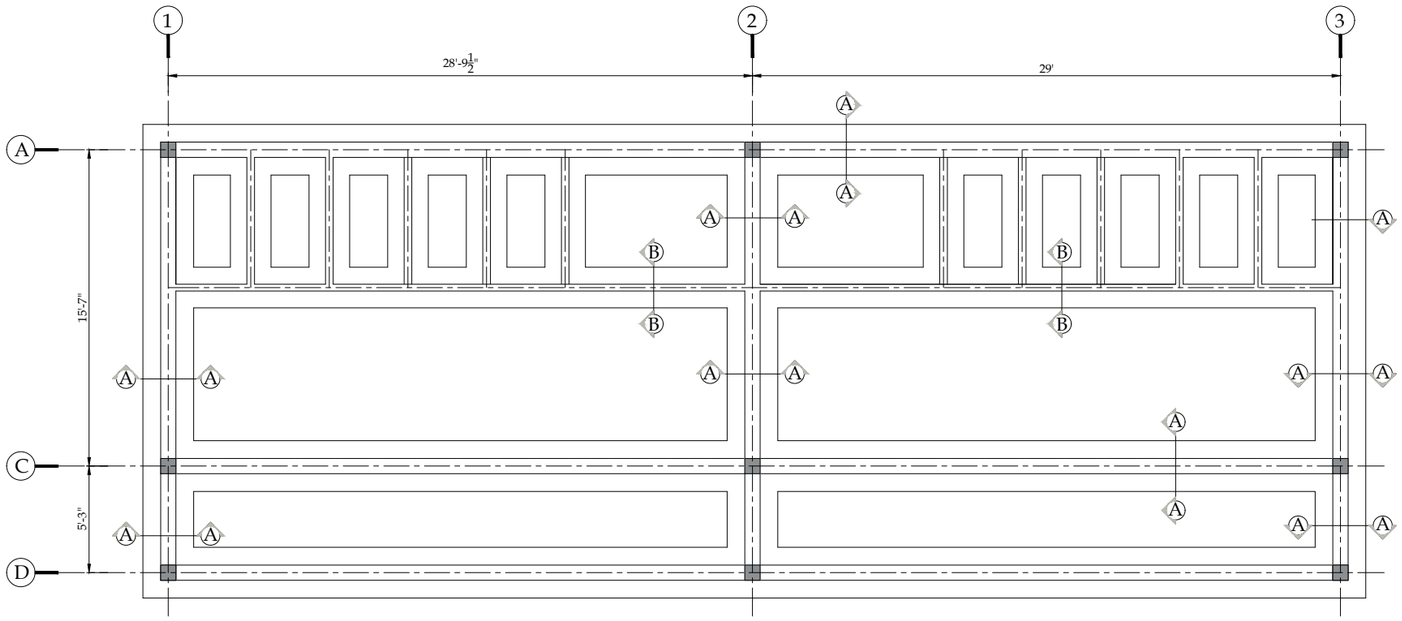
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

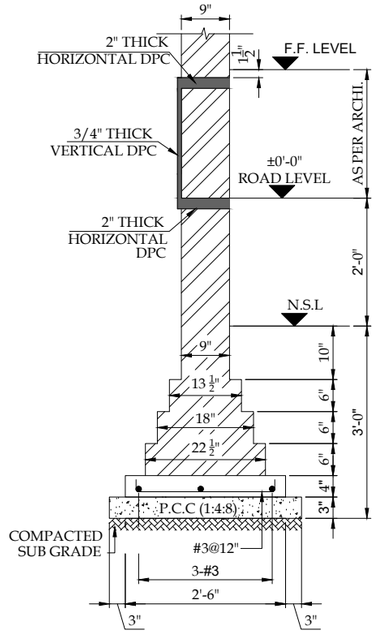
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

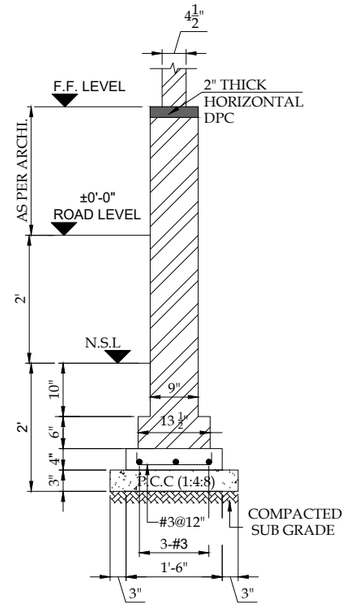
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



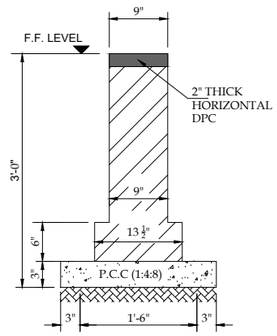

FOUNDATION LAYOUT PLAN



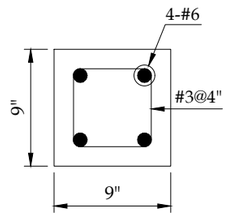

SECTION A-A




SECTION B-B

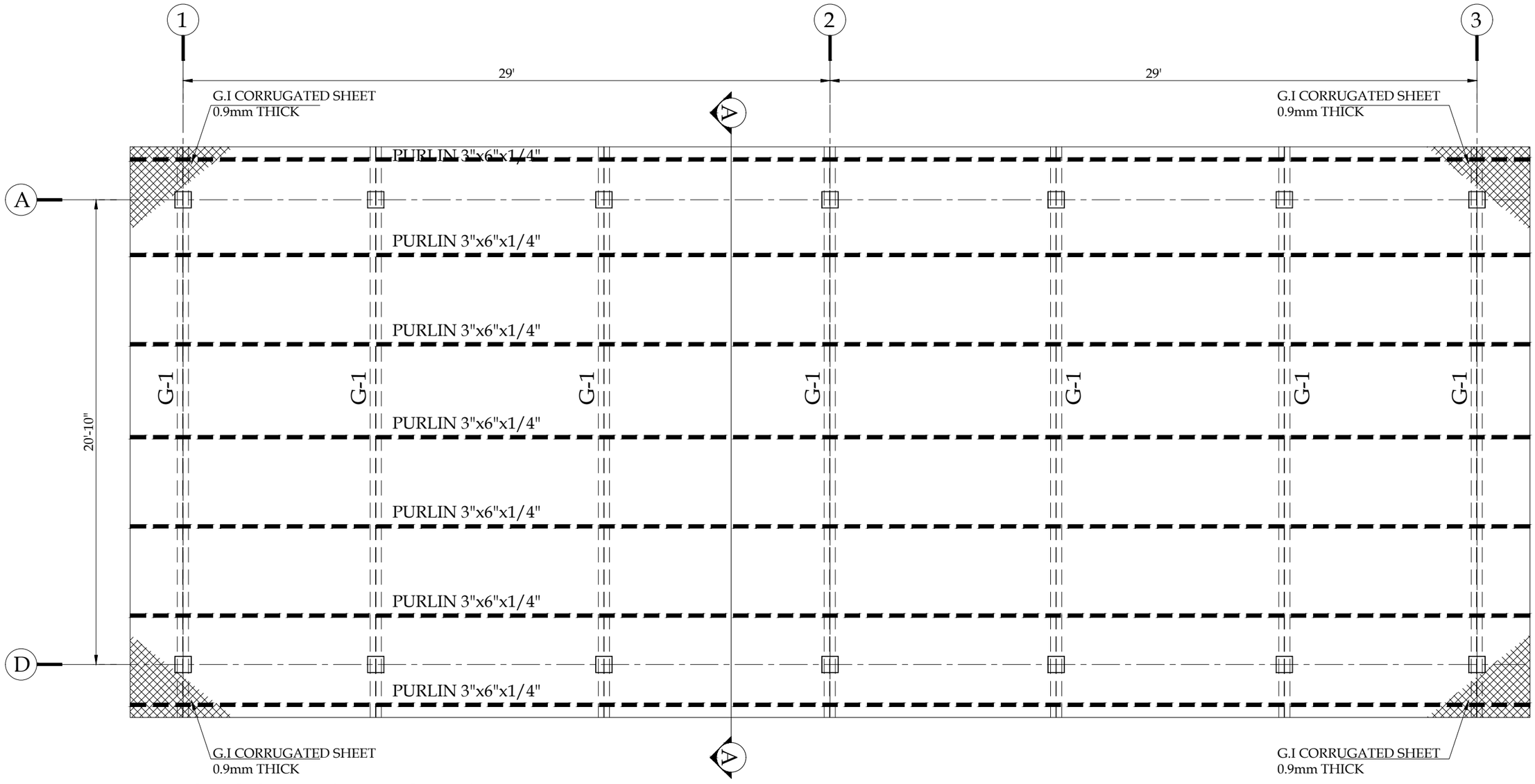



SECTION D-D



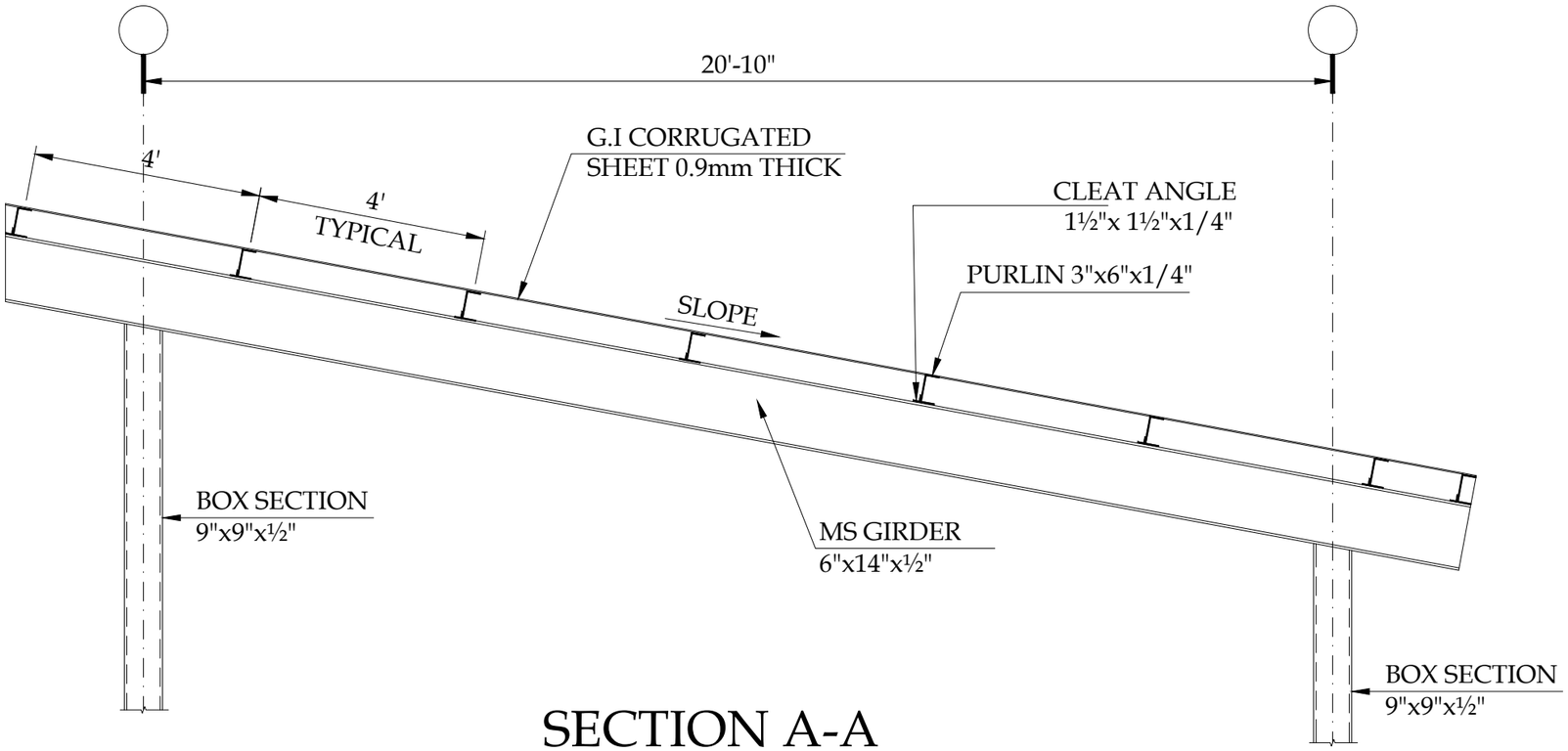

COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: | M.ADNAN | REST ROOMS (6+6)<br>FOUNDATION LAYOUT PLAN & SECTIONAL DETAILS | STR-01 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |



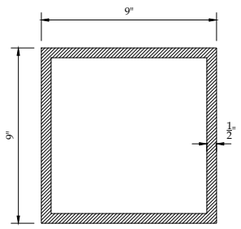

# MS ROOF FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | REST ROOMS (6+6)<br>MS ROOF FRAMING PLAN | STR-02<br>SCALE:<br>SHEET: A3 | | | | | |

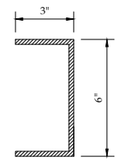



# SECTION A-A

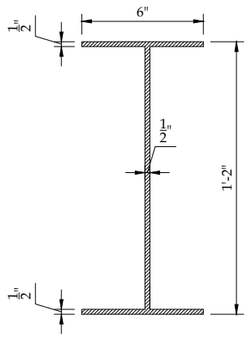
SCALE:- 1/4" = 1'-0"




BOX SECTION
9"x9"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"




GIRDER G-1
SCALE:- 1" = 6"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | UCHALI LAKE | DRAWN BY: | M.ADNAN | REST ROOMS (6+6)<br>ROOF SECTIONAL DETAILS | STR-03 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | A3 | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

CHASHMA

**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

CHASHMA

## GENERAL DRAWINGS

**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# CHASHMA

## PROPOSED STRUCTURAL DRAWINGS FOR PC-1
## LIST OF DRAWINGS

| S. NO. | TITLE OF DRAWING | DRAWING NO. |
|---|---|---|
| GENERAL DRAWINGS | | |
| 01 | LIST OF DRAWINGS | STR-01 |
| 02 | GENERAL NOTES | STR-02 |
| STRUCTURAL DRAWINGS | | |
| RESTAURANT | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-01 |
| 02 | FOUNDATION SECTION DETAILS | STR-02 |
| 03 | FOUNDATION & COLUMN SECTIONAL DETAIL | STR-03 |
| 04 | PLINTH BEAMS FRAMING PLAN | STR-04 |
| 05 | FIRST FLOOR DECK SLAB BEAMS FRAMING PLAN | STR-05 |
| 06 | ROOF TRUSS FRAMING PLAN | STR-06 |
| 07 | TRUSS T-1 SECTIONAL DETAIL | STR-07 |
| INFORMATION CENTER | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-01 |
| 02 | FOUNDATION SECTION DETAILS | STR-02 |
| 03 | COLUMN SECTION DETAILS | STR-03 |
| 04 | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-04 |
| 05 | ROOF BEAMS FRAMING PLAN | STR-05 |
| 06 | TRUSS SECTIONAL DETAILS | STR-06 |
| ECO LOGES SINGLE BED | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-01 |
| 02 | FOUNDATION & COLUMN PEDESTAL SECTIONAL DETAILS | STR-02 |
| 03 | PEDESTAL LAYOUT PLAN | STR-03 |
| 04 | FIRST FLOOR DECK SLAB & TOP ROOF SLAB PLAN | STR-04 |
| 05 | BEAMS & COLUMNS SECTIONAL DETAILS | STR-05 |
| REST ROOMS (6+6) | | |
| 01 | FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-01 |
| 02 | MS ROOF FRAMING PLAN | STR-02 |
| 03 | TRUSS ELEVATION | STR-03 |


CLIENT:
PUNJAB WILDLIFE & PARK DEPARTMENT
GOVERNMENT OF THE PUNJAB

CONSULTANTS:
ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk


PROJECT: CHASHMA

| | |
|---|---|
| DRAWN BY: | M.ADNAN |
| DESIGNED BY: | M. ASAD ULLAH |
| CHECKED BY: | NAVEED NAZ |
| APPROVED BY: | SABIR HUSSAIN |
| DATE: | MARCH, 2025 |

DRAWING TITLE: LIST OF DRAWINGS

DRAWING NO: STR-01

SCALE:

SHEET: A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |

## 1-GENERAL

1- READ ALL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, PLUMBING/SEWERAGE, MECHANICAL, ELECTRICAL AND ANY OTHER RELEVANT DRAWINGS.

2- NOTES GIVEN IN THIS DRAWING ARE APPLICABLE TO ALL DRAWINGS UNLESS MENTIONED OTHERWISE. NOTES WRITTEN ON A DRAWING, SHALL BE APPLICABLE TO THAT PARTICULAR DRAWING ONLY UNLESS OTHERWISE CROSS-REFERRED.

3- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATIONS OF THE CONTRACT DOCUMENTS. IN ABSENCE OF ANY SPECIFICATIONS , ALL MATERIALS, TESTS AND WORKMANSHIP SHALL CONFORM TO RELEVANT ASTM, ACI/B.S CODES AND

4- SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.

5- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURES DURING CONSTRUCTION. HE SHALL ALSO VERIFY ALL DIMENSIONS AND LEVELS BEFORE EXECUTION OF WORK. ANY DISCREPANCY, ERROR OR OMISSION, IF FOUND, SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER FOR CORRECTION AND APPROVAL.

6- THE CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL AND ALL OTHER DICIPLINE DRAWINGS FOR SIZES AND LOCATION OF ALL STRUCTURAL MEMBERS, FLOORS, WALLS, OPENINGS, FLOOR FINISHES, PIPES ETC.

7- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXECUTION OF DEWATERING SYSTEM WHERE SO REQUIRED DURING CONSTRUCTION. HE SHALL SUBMIT HIS METHODOLOGY FOR APPROVAL OF ENGINEER BEFORE ANY ACTIVITY.

8- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND BAR BENDING SCHEDULES, 21 DAYS

9- IN ADVANCE FOR APPROVAL, TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

10- TERMITE CONTROL TREATMENT SHALL BE CARRIED OUT AS PER SPECIFICATIONS.

11- ALL LEVELS AND DIMENSIONS ARE IN MILIMETER UNLESS OTHERWISE NOTED.

12- DO NOT SCALE THE DRAWINGS WRITTEN DIMENSIONS, GIVEN ON THE DRAWING, SHALL GOVERN.

ALL FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE ACI/AISC/BRITISH SPECIFICATIONS.

BACKFILLING AROUND FOUNDATION SHOULD BE DONE SIMULTANEOUSLY ON BOTH SIDES TO AVOID ANY LATERAL DISPLACEMENT. BACKFILLING UNDER FLOORS AND AROUND FOUNDATIONS SHALL BE DONE IN LAYERS NOT EXCEEDING 6 iNCH. IN THICKNESS AND COMPACTED UPTO 95% MODIFIED PROCTOR DENSITY.

## 2-EXCAVATION

1- EXCAVATION SHALL BE MADE TO THE LINES AND LEVELS SHOWN ON THE DRAWINGS. THE ENGINEER MAY CHANGE THE EXTENT OR THE LEVELS OF EXCAVATION DURING THE PROGRESS OF WORKS.
2- THE CONTRACTOR MAY USE STABLE SLOPES OTHER THAN THOSE SHOWN ON THE DRAWINGS WITH THE PRIOR APPROVAL OF THE ENGINEER.
3- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE EXCAVATED AREA AND SHALL KEEP THE AREA IN A SOUND AND DRY CONDITION.
4- THE TERMITE CONTROL TREATMENT SHALL BE APPLIED AFTER EXCAVATION OF FOUNDATIONS ON BEDS AND SIDE SLOPES BEFORE CONCRETING OPERATION.
5- PART OF EXCAVATED MATERIAL, AS DIRECTED BY THE ENGINEER, SHALL BE PLACED IN STOCK PILES FOR BACKFILLING. ALL OTHER MATERIAL SHALL BE DISPOSED OF IN
6- APPROVED DISPOSAL AREA AS DIRECTED BY THE ENGINEER.
7- ANY OVER EXCAVATED AREAS OR DOUBTFUL PATCHES, AS DIRECTED BY THE ENGINEER
8- SHALL BE FILLED WITH LEAN CONCRETE.

## 3-FOUNDATIONS

1. THE DESIGN OF FOUNDATION IS BASED ON BEARING CAPACITY OF 0.50 TSF, BASED ON GEO-TECHNICAL INVESTIGATIONS CARRIED OUT AT THE PROJECT SITE FOR THE UP-GRADATION OF TDCP TOURIST RESORT CONDUCTED BY BUILDING RESEARCH STATION (BRS).
2. THE EXCAVATED BED OF FOUNDATION SHOULD BE THOROUGHLY COMPACTED PRIOR TO LAYING BLINDING CONCRETE IN FOUNDATION
3. AS PER GEO-TECHNICAL INVESTIGATION REPORT OF THE PROJECT SITE IT IS RECOMMENDED TO PLACE FOUNDATION AT A DEPTH OF 4' FT FROM EXISTING GROUND LEVEL OVER 2 FT THICK STRUCTURAL PAD MADE OF SELECT GRANULAR FILL MATERIAL (35 % SAND AND 65% GRAVEL) COMPACTED TO 95% MODIFIED AASHTO DENSITY ( TOTAL EXCAVATION 6 FT REQUIRED). THE STRUCTURAL PAD SHOULD BE CONSTRUCTED 2 FT WIDER ON EACH SIDE THAN THE FOUNDATION WIDTH FOR PROPER CONFINEMENT AND RELEASE OF STRESSES. THE ENGINEER IN-CHARGE SHOULD ENSURE THE QUALITY AND COMPACTION EFFORT USED IN THE CONSTRUCTION OF STRUCTURAL PAD.
4. THE EXCAVATED BED OF FOUNDATION SHOULD BE THOROUGHLY COMPACTED PRIOR TO LAYING BLINDING CONCRETE IN FOUNDATION IT IS RECOMMENDED TO PLACE FOUNDATION
5. THE FOUNDATION BED SOIL SHOULD BE PROTECTED FROM INGRESS OF WATER FROM ANY SOURCE BY PROVIDING ADEQUATE SURFACE DRAINAGE SYSTEM AND ENSURING LEAK PROOF JOINTINGS OF SEWERAGE AND WATER SUPPLY LINES. EXCESSIVE AND UNCONTROLLED WATERING FOR CURING AND COMPACTION OF BACKFILL MATERIAL SHOULD BE AVOIDED.

## 4-REINFORCED CONCRETE

01- STRUCTURAL DESIGN IS BASED ON THE NATIONAL BUILDING CODE OF PAKISTAN AND AMERICAN CONCRETE INSTITUTE CODE OF REINFORCED CONCRETE,ACI 318.
02- ALL STRUCTURAL CONCRETE SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) REQUIREMENTS.
03- THE MINIMUM WORK COMPRESSIVE CYLINDER STRENGTH OF LEAN/BLINDING CONCRETE SHALL BE 1000 psi AT 28 DAYS.
04- THE MINIMUM COMPRESSIVE CONCRETE CYLINDER STRENGTH OF STRUCTURAL CONCRETE FOR ALL STRUCTURAL MEMBERS SHALL BE 3000 psi AT 28 DAYS
05- NO CONCRETING SHALL BE CARRIED OUT UNTIL PERMISSION IS GIVEN IN WRITING.

## 5-REINFORCING STEEL

1- ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM-A615 GRADE 60 HAVING A MINIMUM YIELD STRENGTH OF 60,000 psi.
2- WHEREVER POSSIBLE FULL LENGTH OF REINFORCING BARS SHALL BE USED TO AVOID UNNECESSARY LAPS AND WASTAGE.
3- CLEAR COVER TO REINFORCEMENT SHALL BE:

| SRTUCT.ELEMENT | COVER (INCH) |
|---|---|
| FOOTINGS/RAFT | 2" |
| BEAMS (BOTTOM) | 1.5" |
| BEAMS (SIDES) | 1" |
| COLUMNS | 1.5" |
| SLABS | 0.75" |
| WALLS (INNER FACE) | 1" |
| WALLS (OUTER FACE IN CONTACT WITH EARTH) | 2" |

4- DEVELOPMENT LENGTH

| fc' (PSI) \ Bar Size # | DEVELOPMENT LENGTH 'in' (Fy=60,000 PSI) | | | | | |
|---|---|---|---|---|---|---|
| | 03 | 04 | 05 | 06 | 07 | 08 |
| 3000 | 25 | 33 | 42 | 50 | 73 | 83 |

5- SPLICE LENGTH

| fc' (PSI) \ Bar Size # | SPLICE LENGTH 'in' (Fy=60,000 PSI) | | | | | |
|---|---|---|---|---|---|---|
| | 03 | 04 | 05 | 06 | 07 | 08 |
| 3000 | 32 | 43 | 54 | 64 | 94 | 107 |

EXCEPT AS OTHERWISE SHOWN ON THE DRAWING, WHENEVER REINFORCING BARS OF DIFFERENT SIZES ARE TO BE LAP SPLICEED IN COMPRESSION, SPLICE LENGTH SHALL BE THE LARGER OF DEVELOPMENT LENGTH OF LARGER BAR, OR SPLICE LENGTH OF SMALLER BAR.

6- ALL REINFORCING STEEL SHALL BE ACCURATELY LOCATED IN THE FORMS AND HELD FIRMLY IN PLACE BEFORE AND DURING THE PLACEMENT OF CONCRETE, BY MEANS OF WIRE AND SUPPORTS ADEQUATE TO PREVENT DISPLACEMENT DURING THE COURSE OF CONSTRUCTION.
7- DISTRIBUTION REINFORCEMENT NOT SHOWN SHALL BE PROVIDED AS #3@9" c/c FOR 6 in THICK SLAB AND #3@7" c/c FOR 8 in THICK SLAB.

## 6-CONCRETE CONSTRUCTION

1- ALL STRUCTURAL SURFACES, AGAINST WHICH EARTH IS TO BE FILLED, SHALL BE COATED WITH TWO COATS OF HOT BITUMEN OF 10/20 GRADE AT THE RATE OF 0.4 lb/ft$^2$/coat.

2- THE CONTRACTOR SHALL SUBMIT CONCRETE POURING SCHEDULE FOR ENGINEER'S APPROVAL. NO CONCRETE SHALL BE PLACED UNTIL WRITTEN PERMISSION IS GIVEN BY THE ENGINEER.

3- DURING CONSTRUCTION, STACKING OF CONSTRUCTION MATERIALS, BRICKS, etc. SHOULD BE AVOIDED ON SLAB PANELS.

4- BEFORE CASTING OF ANY STRUCTURAL MEMBER, THE CONTRACTOR SHALL ENSURE THAT ALL EMBEDDED ITEMS FOR ELECTRICAL, MECHANICAL, HVAC, PLUMBING, STRUCTURAL STEEL AND OTHER WORKS ARE PROPERLY LOCATED AND FIRMLY SECURED IN PLACE.

## 7-CONSTRUCTION JOINTS

1- JOINTS, NOT SHOWN ON THE DRAWINGS, SHALL BE SO MADE AND LOCATED AS TO APPROVAL OF THE ENGINEER. THEY SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE LEAST IMPAIR THE STRENGTH OF THE STRUCTURE AND SHALL NEED PRIOR SPANS OF SLABS, BEAMS AND JOISTS. IN WALLS AND COLUMNS SHALL BE AT THE UNDER-SIDE OF FLOOR, SLABS OR BEAMS AND AT THE TOP OF FOOTINGS OR FLOOR SLABS.

2- JOINTS SHALL BE PERPENDICULAR TO MAIN REINFORCEMENT. ALL REINFORCING STEEL SHALL BE CONTINUED ACROSS JOINTS.

3- BEAMS, GIRDERS AND HAUNCHES SHALL BE PLACED MONOLITHICALLY AS PART OF SLAB SYSTEM UNLESS OTHERWISE SHOWN IN DESIGN DRAWINGS OR SPECIFICATIONS.

## 8-SHORING AND BRACING

1- SHORE AND BRACE ALL PARTS OF THE BUILDING DURING CONSTRUCTION, TO THE EXTENT NECESSARY TO ENSURE COMPLETE SAFETY, STRENGTH AND SERVICEABILITY OF ALL STRUCTURAL ELEMENTS UNDER ALL CONDITIONS OF LOADS, WHICH MAY OCCUR DURING CONSTRUCTION. SUCH SHORING AND BRACING IS THE CONTRACTOR'S SOLE RESPONSIBILITY AND IS NOT SHOWN ON STRUCTURAL DRAWINGS OR SPECIFIED IN THE PROJECT SPECIFICATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND STABILITY OF THE ADJACENT EXISTING STRUCTURES AND SHALL PROVIDE ADEQUATE

2- SHORING AND BRACING DURING EXCAVATION AND CONSTRUCTION, WHEREVER AND WHENEVER REQUIRED TO THE SATISFACTION OF THE ENGINEER.

## 9-BRICK WORK

1- ALL BRICK WORK SHALL CONFORM TO SPECIFICATIONS GIVEN IN THE CONTRACT DOCUMENT.
2- ALL BRICKS SHALL BE SOUND, HARD, WELL BURNT AND OF UNIFORM SIZE,COLOUR AND TEXTURE. DIMENSIONAL VARIATION IN SIZES SHALL NOT EXCEED 0.12in.
3- ALL BRICK WORK SHALL BE ERECTED PLUMB AND TRUE TO LINE AND LEVEL. THE MAXIMUM VARIATION IN ANY STOREY HEIGHT OR ANY LENGTH OF WALL SHALL BE 0.12in IN 10ft.
4- ALL BRICK MASONRY FOR WALLS SHALL BE REINFORCED WITH MIILD STEEL FLAT/REINFORCEMENT AS SHOWN ON THE DRAWINGS.
5- TESTING OF COMPRESSIVE STRENGTH OF MASONRY SHALL BE DONE, IF SO DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH ASTM E447 OR PAKISTAN STANDARD-208.
6- THE AVERAGE COMPRESSIVE STRENGTH OF TWELVE BRICKS SHALL BE NOT LESS THAN 2000 psi AND SHALL BE NOT LESS THAN 1500 psi FOR ANY INDIVIDUAL BRICK.
7- BRICK SHALL BE LAID "FROG" UPWARD WITH MORTAR JOINT AND IN ENGLISH AND FLEMISH BOND OR AS DIRECTED BY THE ENGINEER.
8- ALL BRICK MASONRY WORK FOR SUB STRUCTURE SHALL BE CARRIED OUT BY USING 1:5 CEMENT SAND MORTAR
9- ALL BRICK MASONRY WORK FOR SUPER STRUCTURE SHALL BE CARRIED OUT BY USING 1:4 CEMENT SAND MORTAR
10- ALL BRICK MASONRY WORK FOR BOUNDARY WALL SHALL BE CARRIED OUT BY USING 1:3 CEMENT SAND MORTAR
11- ALL BRICK MASONRY WALLS SHALL BE PLASTERED WITH 1:4 CEMENT SAND MORTAR.

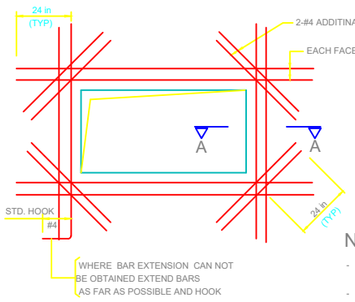
## 10-ELECTRICAL CONDUITS

1- CONDUITS, FOR ELECTRICAL WORKS, SHALL BE PLACED WITHIN THE REINFORCED CONCRETE. THEY SHALL BE PLACED WITHIN THE MIDDLE THIRD OF THE SECTION IN BEAMS AND WITHIN THE MIDDLE HALF OF THE THICKNESS IN SLABS. SPACING BETWEEN PARALLEL CONDUITS SHALL NOT BE LESS THAN 6 in.

## 11- STRUCTURAL STEEL

1- FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE PERFORMED IN ACCORDANCE WITH AISC SPECIFICATIONS.
2- ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36 OR EQUIVALENT AS APPROVED BY THE ENGINEER.
3- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF AMERICAN WELDING SOCIETY, AWS, SPECIFICATIONS USING ELECTRODES E70XX.

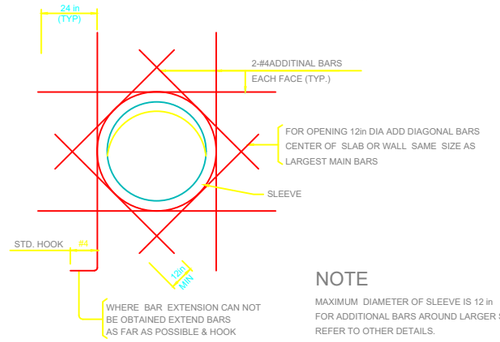
## 12- REINFORCEMENT DETAIL AT OPENING IN SLAB/SLEEVES.



SECTION A-A

NOTES

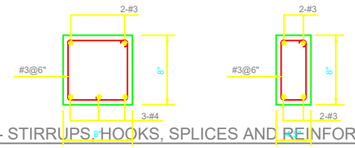
- FOR OPENING WITH MAXIMUM DIMENSION OVER 60 in REFER TO OTHER DETAILS.
- USE THESE DETAILS IF NOT SHOWN IN DESIGN DRAWINGS.




NOTE

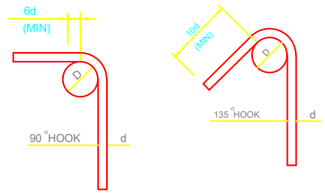
MAXIMUM DIAMETER OF SLEEVE IS 12 in
FOR ADDITIONAL BARS AROUND LARGER SLEEVE
REFER TO OTHER DETAILS.

## 13- LINTEL REINFORCEMENT DETAILS. (UP TO 72 in CLEAR SPAN)




## 14- STIRRUPS,HOOKS, SPLICES AND REINFORCEMENT

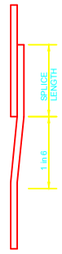
BAR SPACING DETAILS.




STIRRUPS AND TIE HOOKS

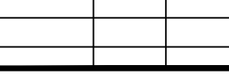
| BAR DIA | D |
|---|---|
| #3 | 2.25 in |
| #4 | 3 in |

BEAM SPLICE (TYP.)



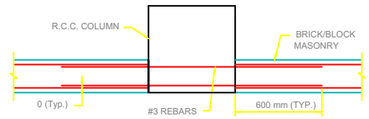

COLUMN SPLICE (TYP.)

BAR SPACING IN BEAM

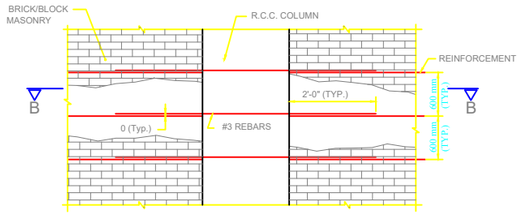



VERTICAL BAR SPACING IN COLUMNS

## 15- BRICK MASONRY REINFORCEMENT DETAIL.




PLAN B-B




TYP. MASONRY WALL REINFORCEMENT

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | | GENERAL NOTES | STR-01 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | A3 | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

CHASHMA

INFORMATION CENTER

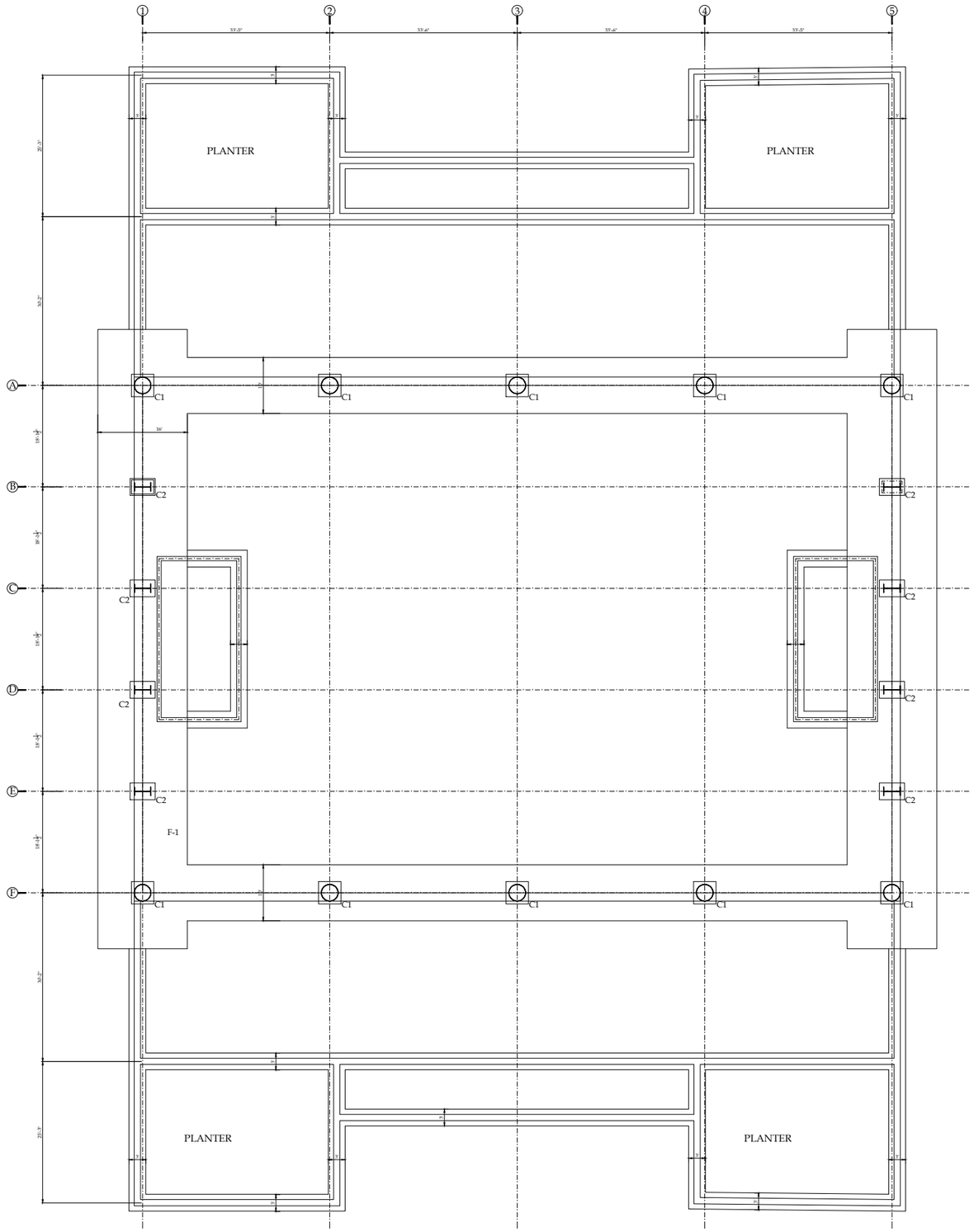
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

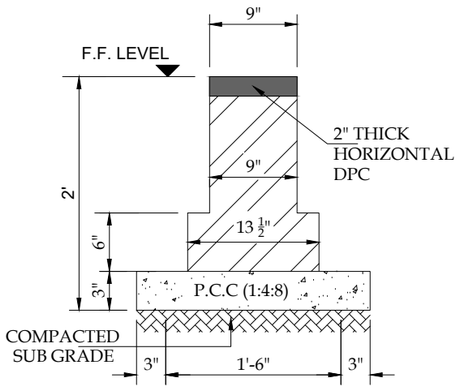
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

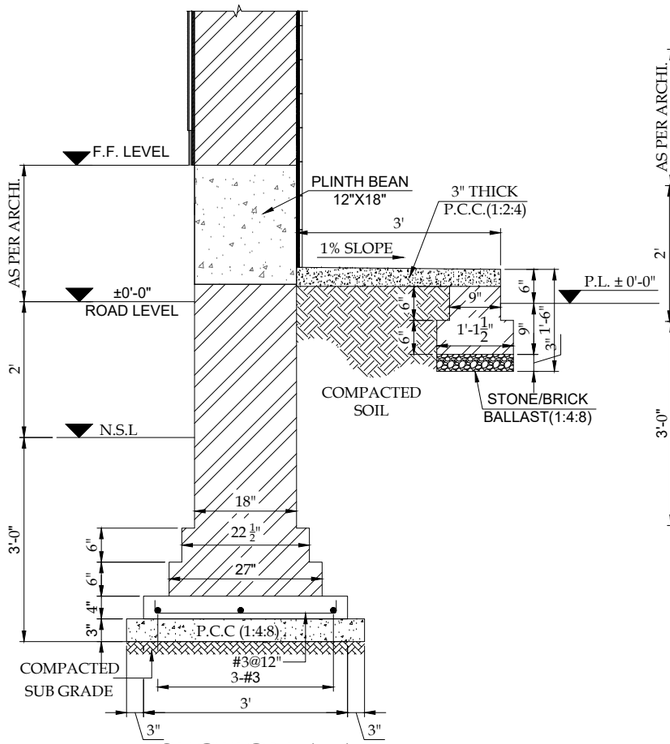



FOUNDATION LAYOUT PLAN

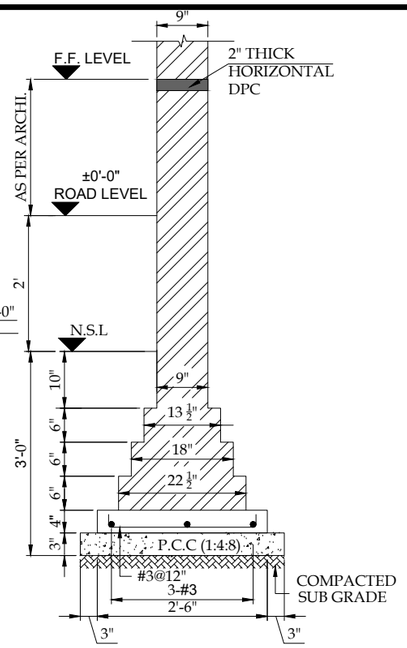
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | INFORMATION CENTER<br>FOUNDATION LAYOUT PLAN | STR-01 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |



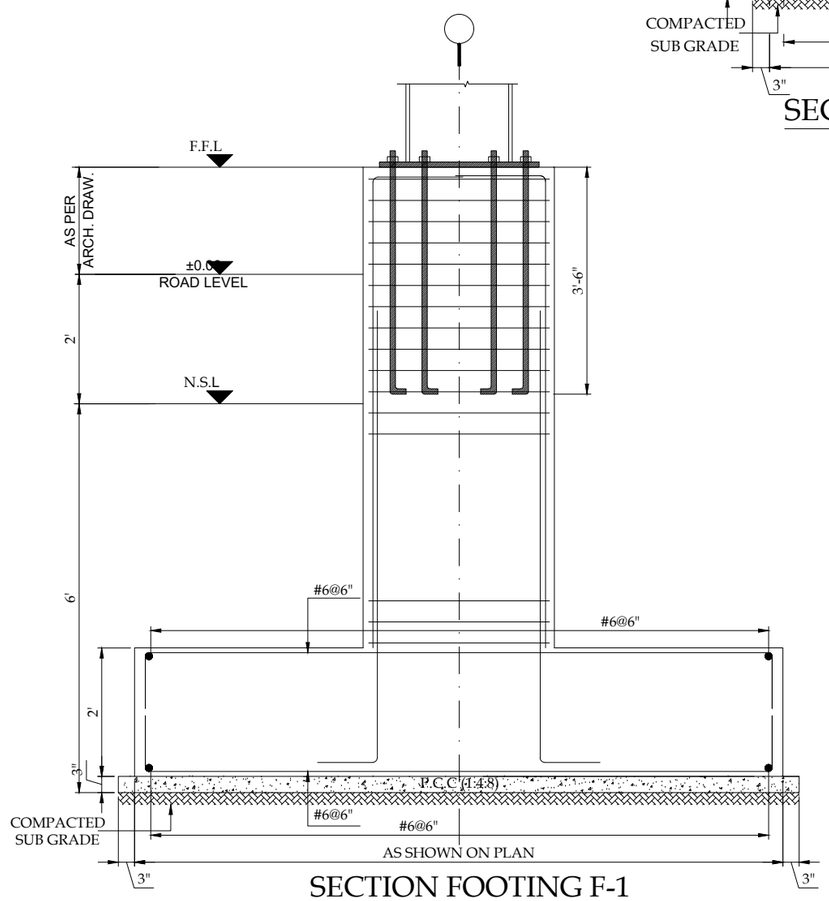

TOE WALL FOOTING
X-SECTION



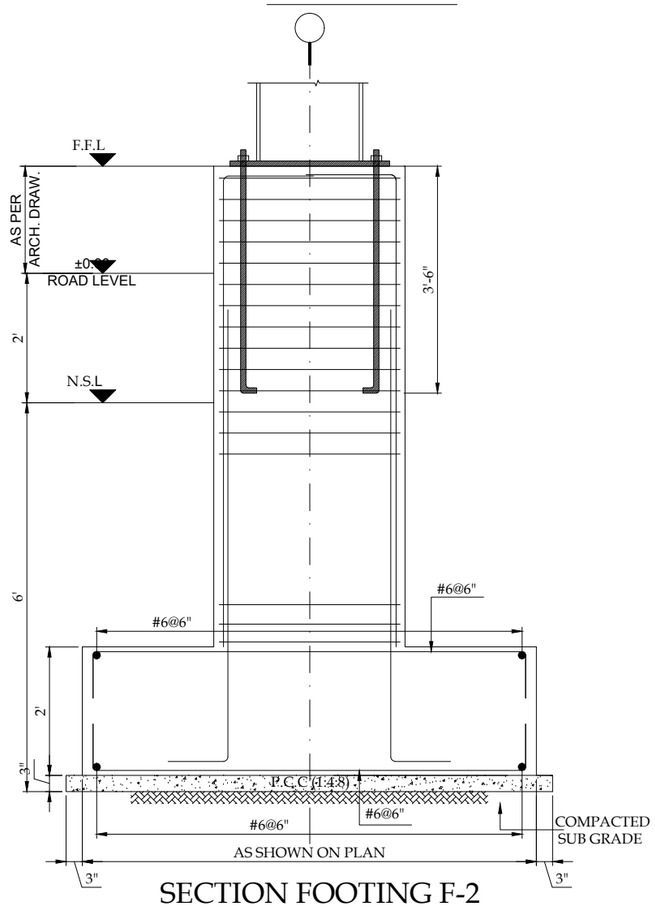

SECTION A-A




SECTION B-B

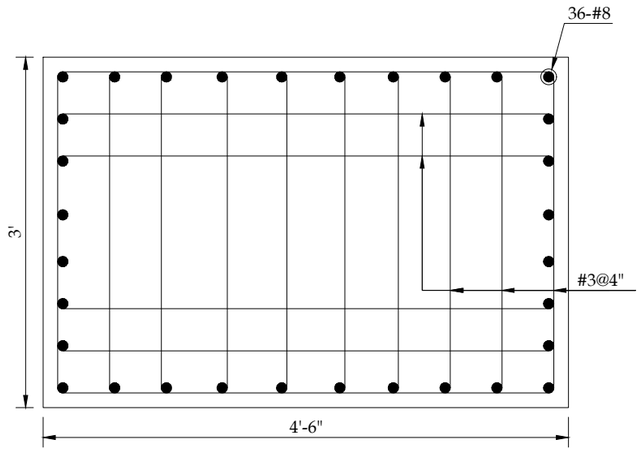



SECTION FOOTING F-1

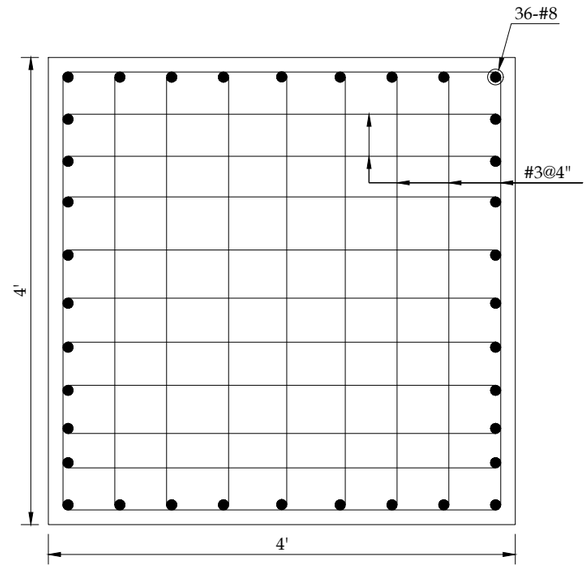



SECTION FOOTING F-2

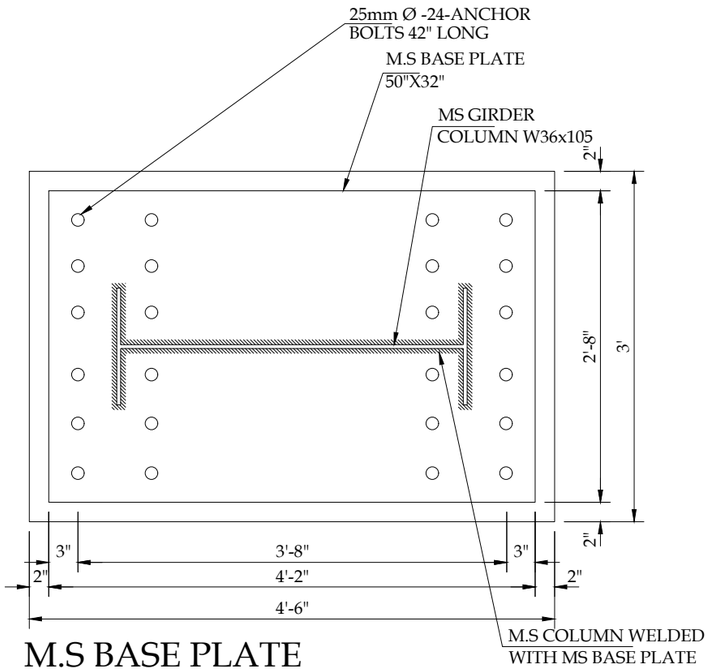
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: CHASHMA | DRAWN BY: M.ADNAN | DRAWING TITLE: INFORMATION CENTER | DRAWING NO: STR-02 | REV. | DESCRIPTION |
| | | | DESIGNED BY: M. ASAD ULLAH | FOUNDATION SECTIONAL DETAILS | SCALE: | SHEET: A3 | SIGN. |
| | | | CHECKED BY: NAVEED NAZ | | | | DATE |
| | | | APPROVED BY: SABIR HUSSAIN | | | | |
| | | | DATE: MARCH, 2025 | | | | |



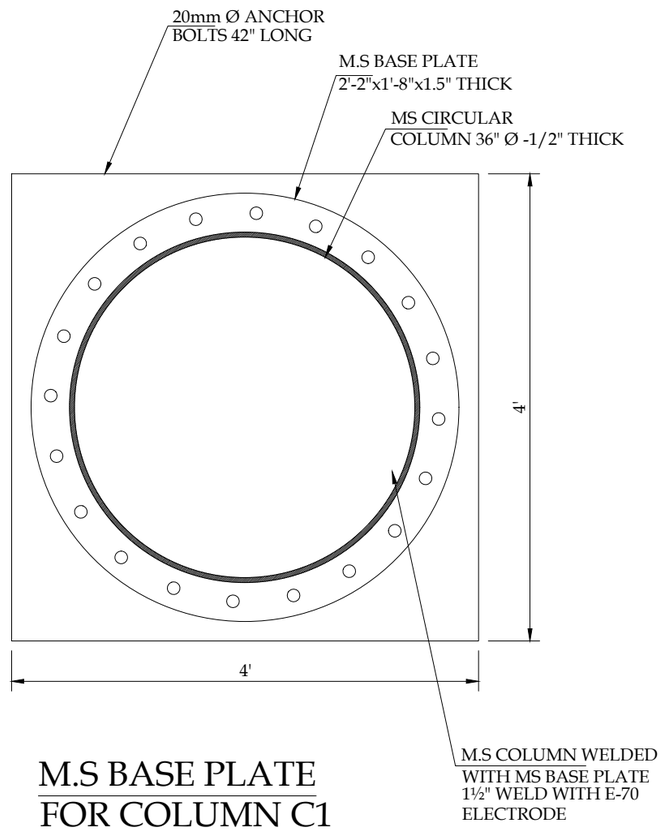

COLUMN C2




COLUMN C1

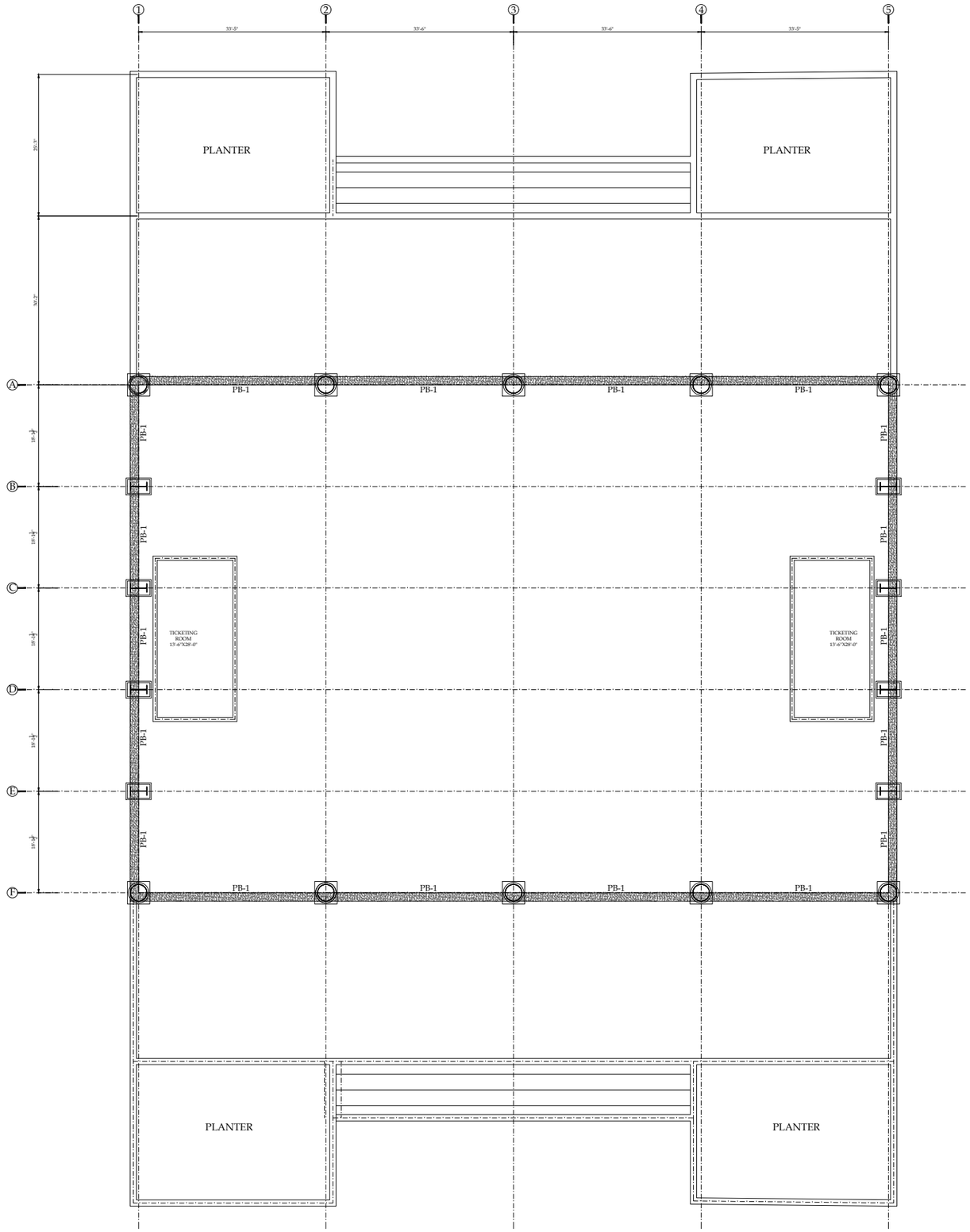



M.S BASE PLATE
FOR COLUMN C2

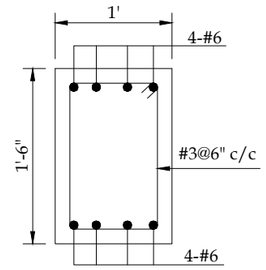



M.S BASE PLATE
FOR COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | | INFORMATION CENTER<br>COLUMN SECTIONAL DETAILS | STR-03 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | | |

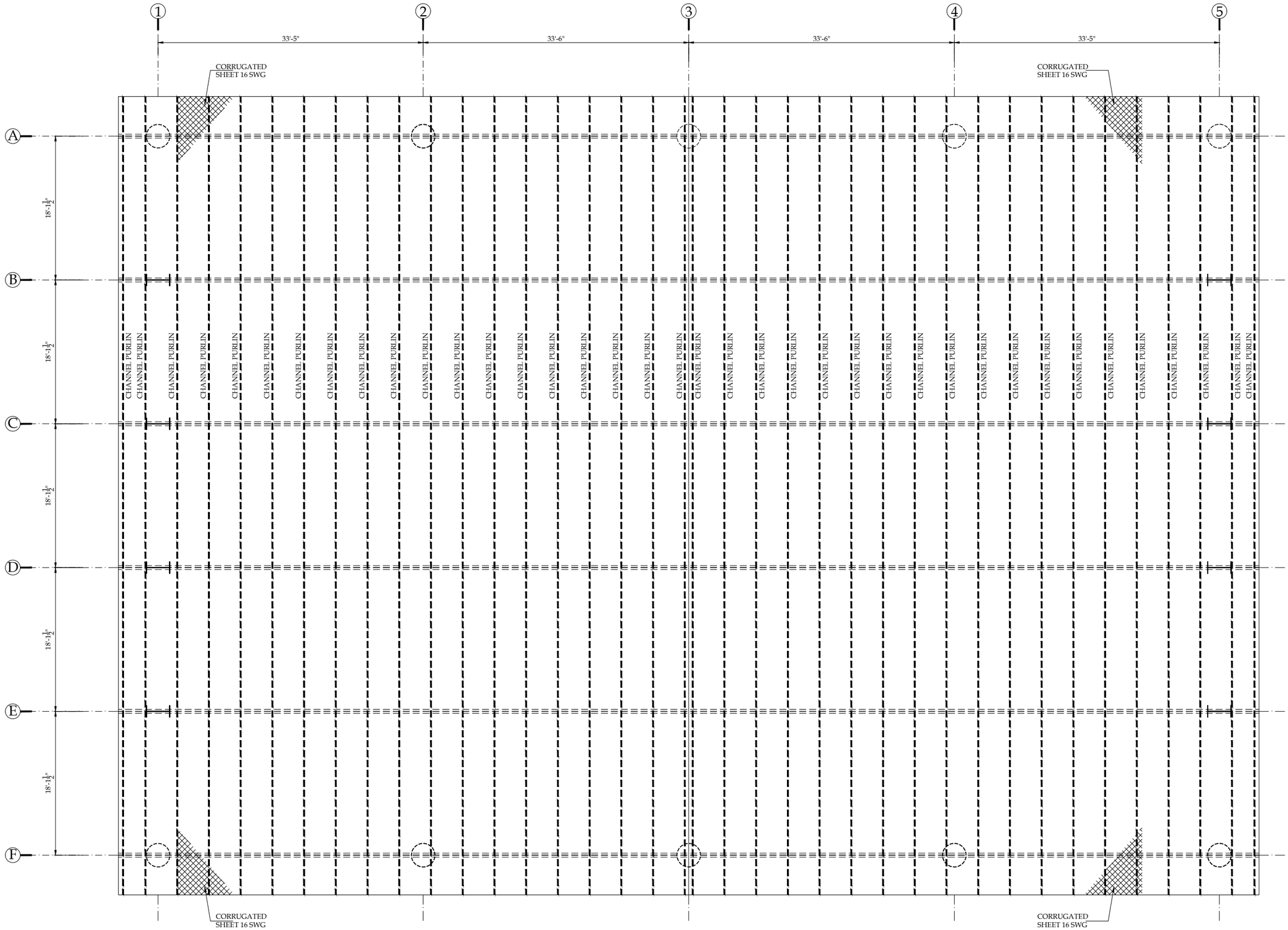



PLINTH BEAMS LAYOUT PLAN



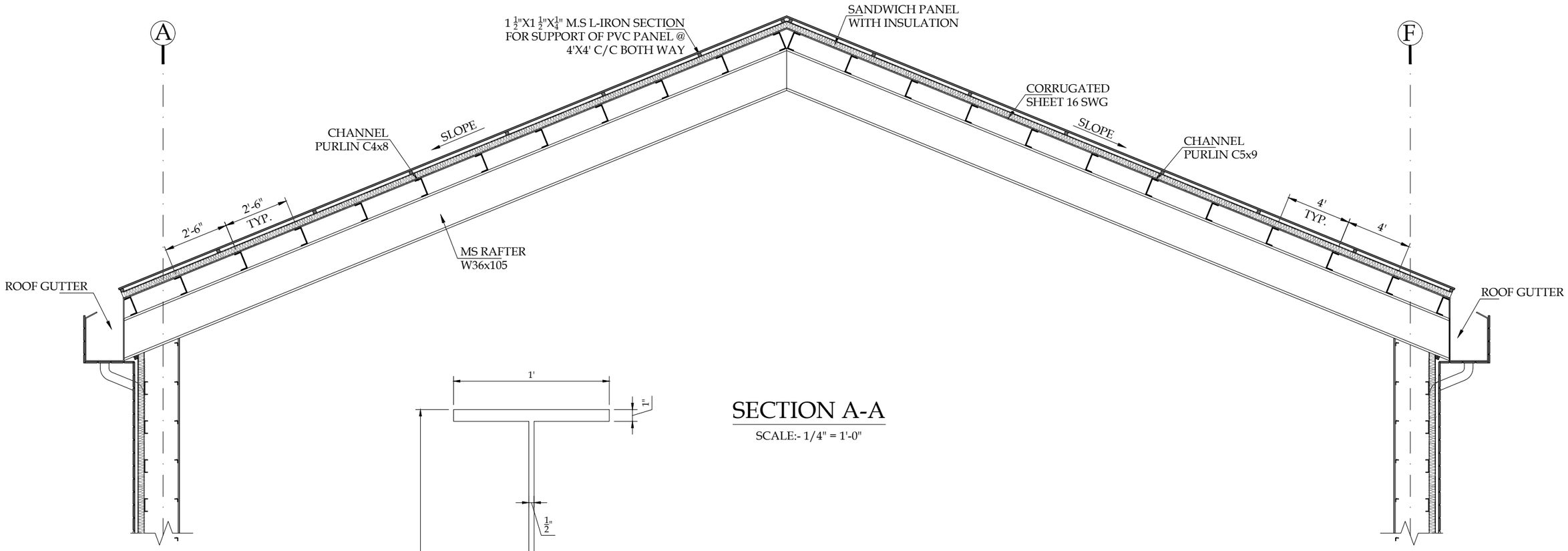

PLINTH BEAM
PB-1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | INFORMATION CENTER<br>PLINTH BEAMS LAYOUT PLAN | STR-04 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |



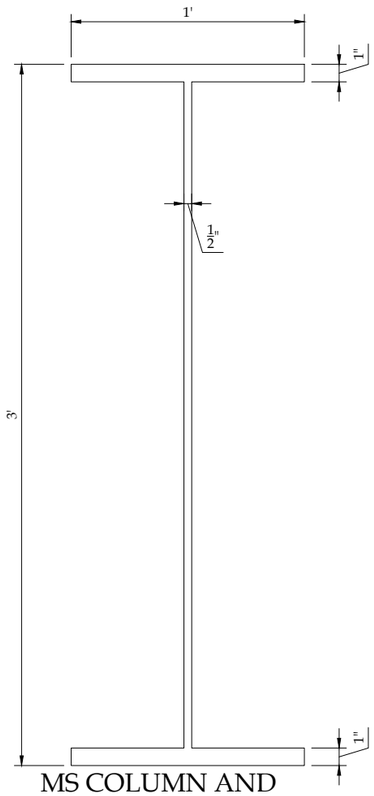

STEEL ROOF PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | INFORMATION CENTER<br>ROOF BEAMS FRAMING PLAN | STR-05 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

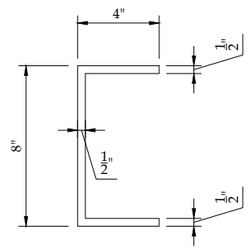



## SECTION A-A

SCALE:- 1/4" = 1'-0"




MS COLUMN AND
BEAMS/RAFTER
SECTION W36x105




MS CHANNEL
PURLIN
SECTION C5x9

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | | INFORMATION CENTER | STR-06 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | TRUSS SECTIONAL DETAILS | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

CHASHMA

RESTAURANT

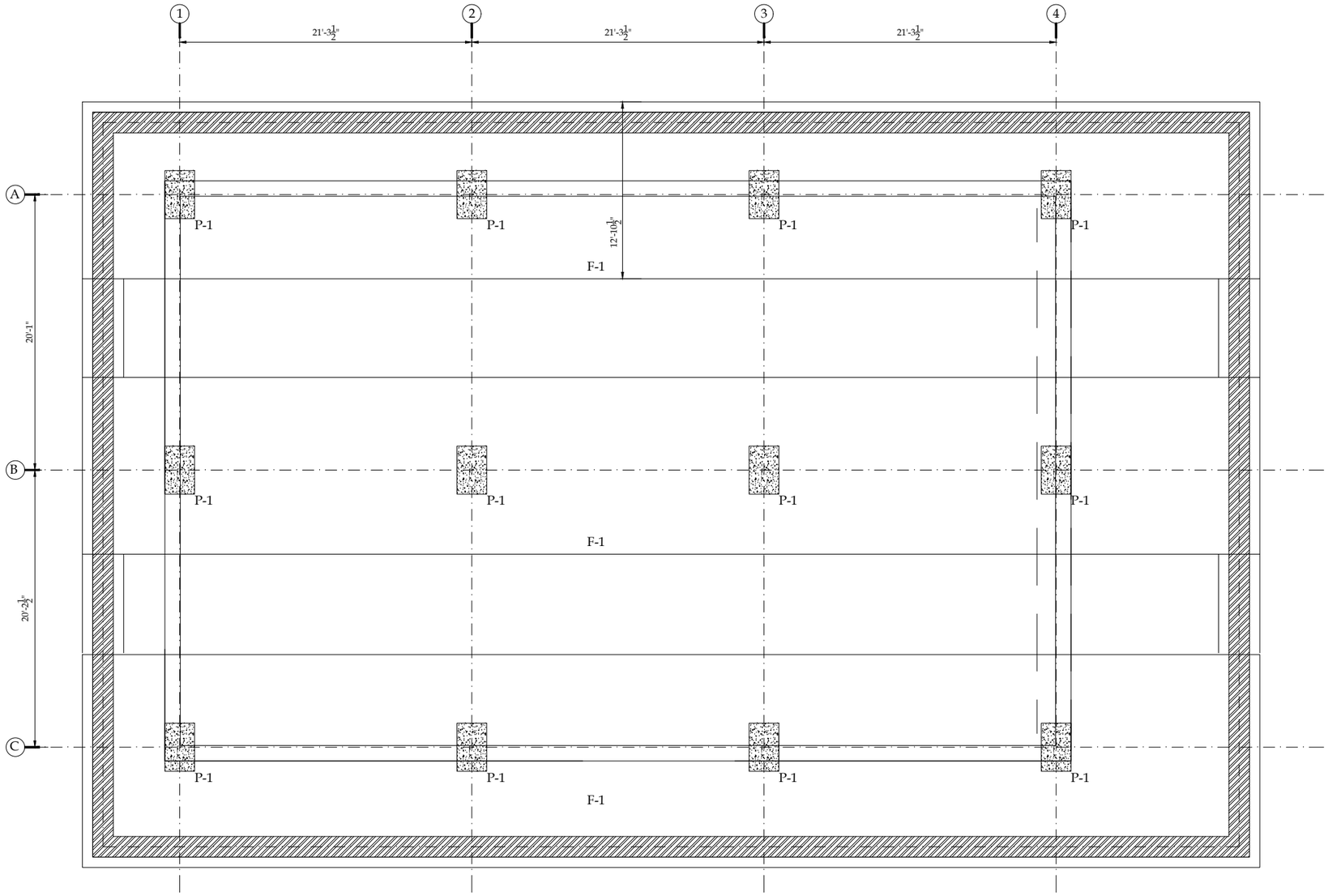
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

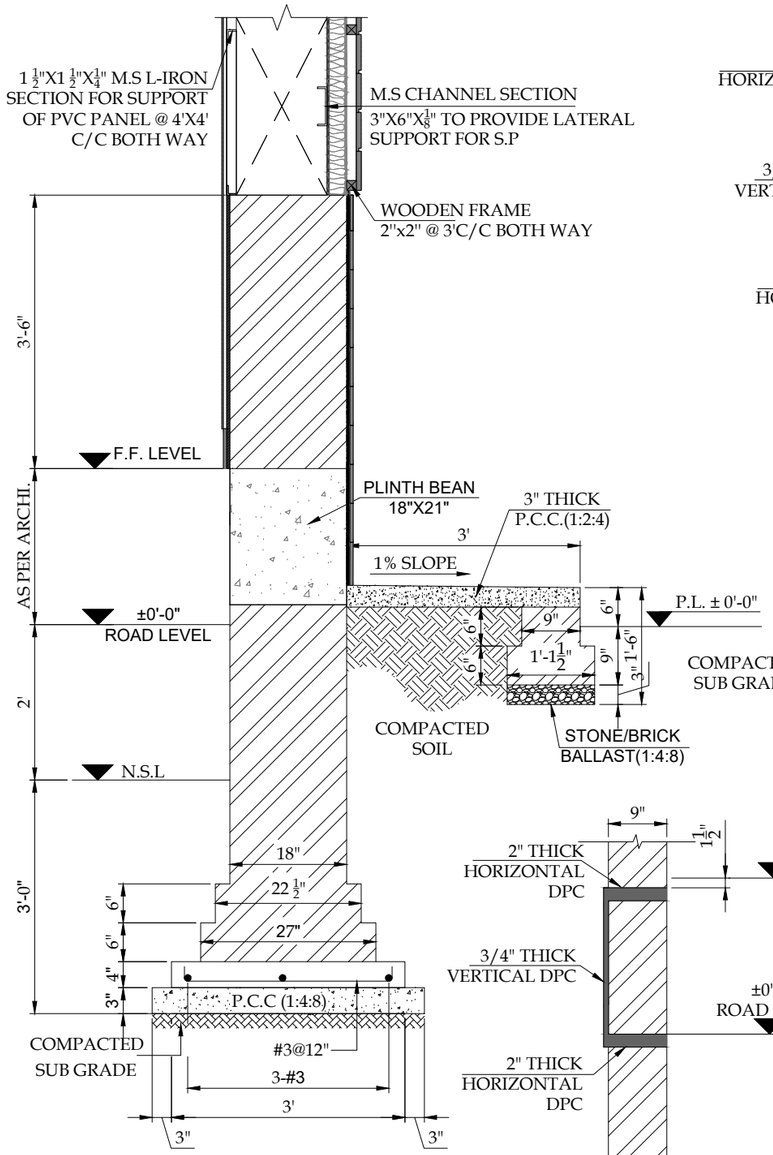
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



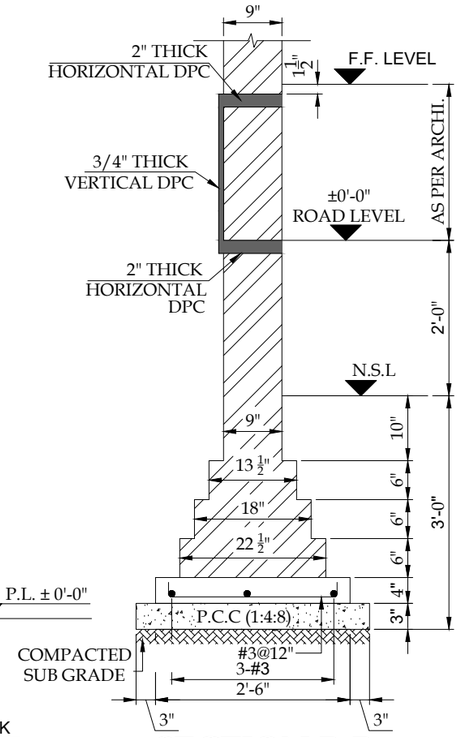

FOUNDATION LAYOUT PLAN

SCALE:- 1/6" = 1'-0"

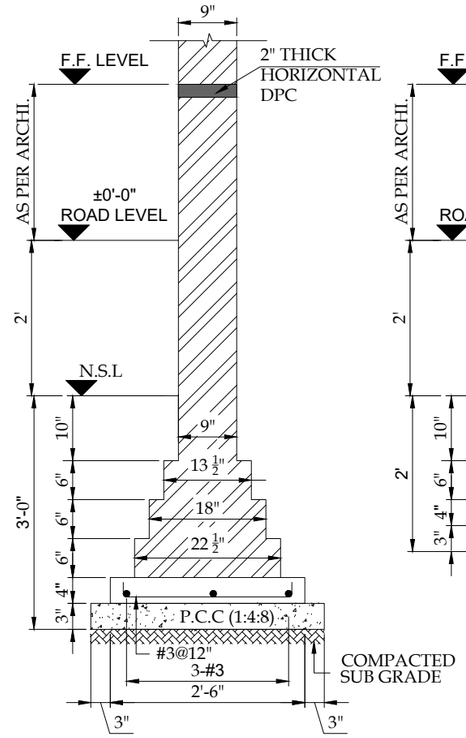
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | RESTURANT<br>FOUNDATION LAYOUT PLAN | STR-01<br>SCALE:<br>SHEET: A3 | | | | |



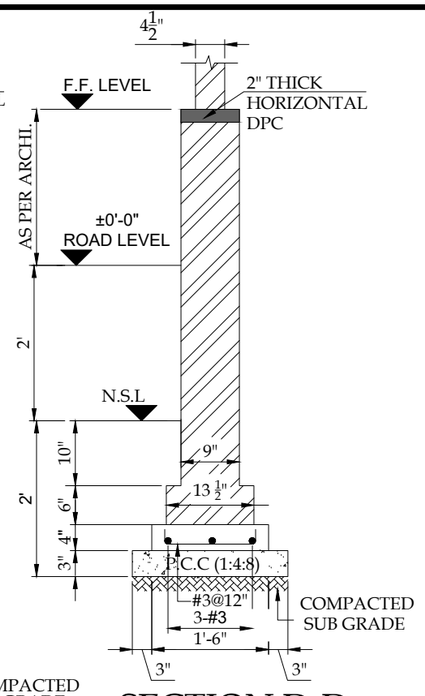

SECTION A-A



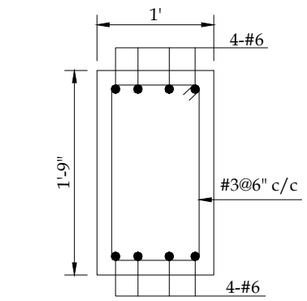

SECTION B-B



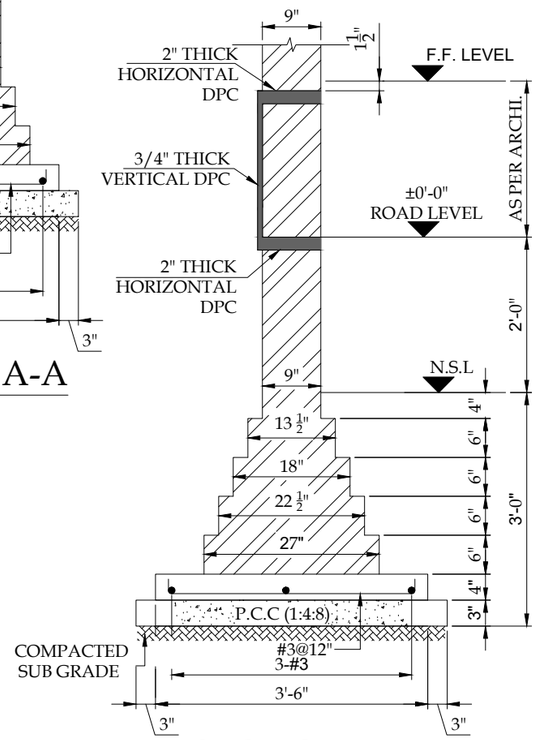

SECTION C-C



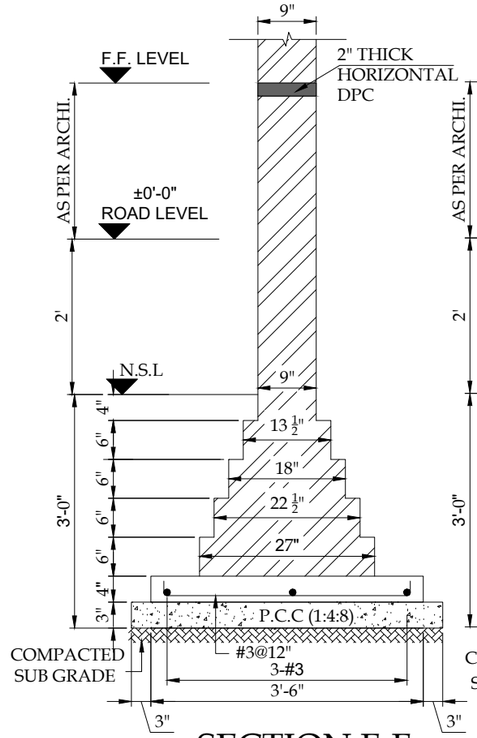

SECTION D-D



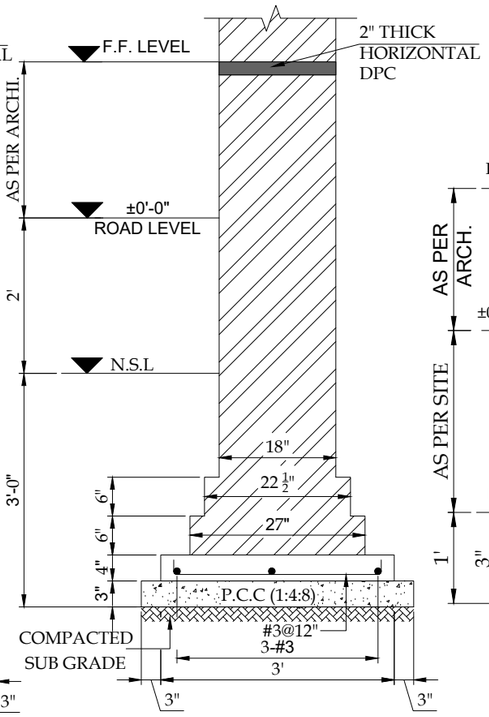

PLINTH BEAM



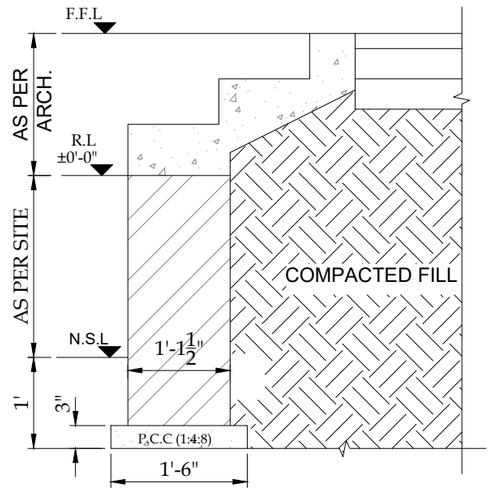

SECTION E-E




SECTION F-F

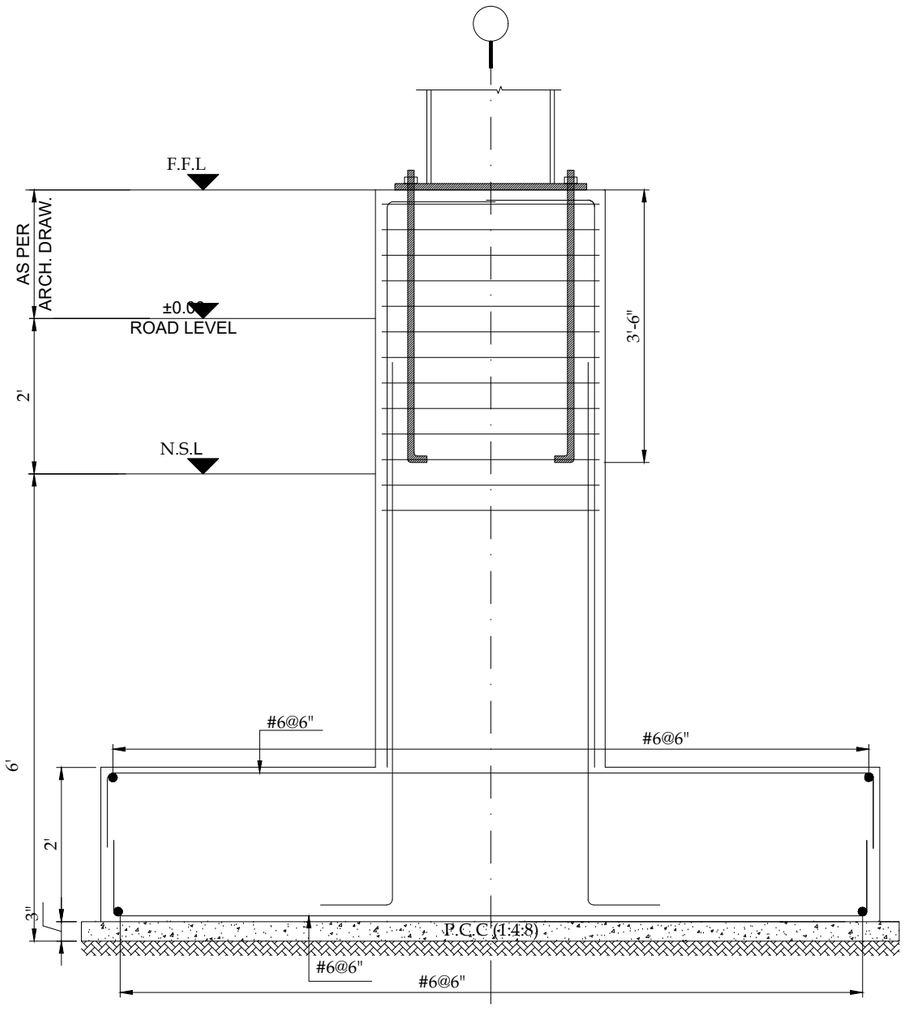



SECTION G-G

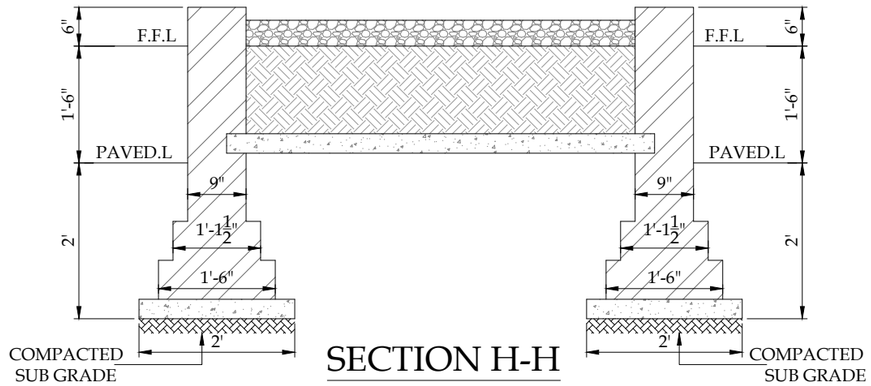



SECTION I-I

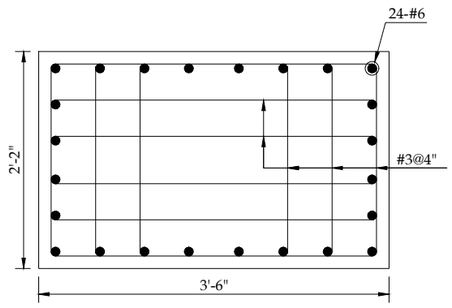
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | RESTURANT<br>FOUNDATION SECTIONAL DETAIL | STR-02 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | SCALE: / SHEET: A3 | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |



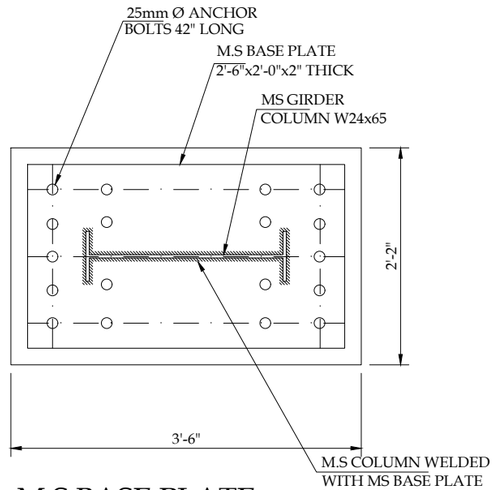

SECTION FOOTING F-1




SECTION H-H

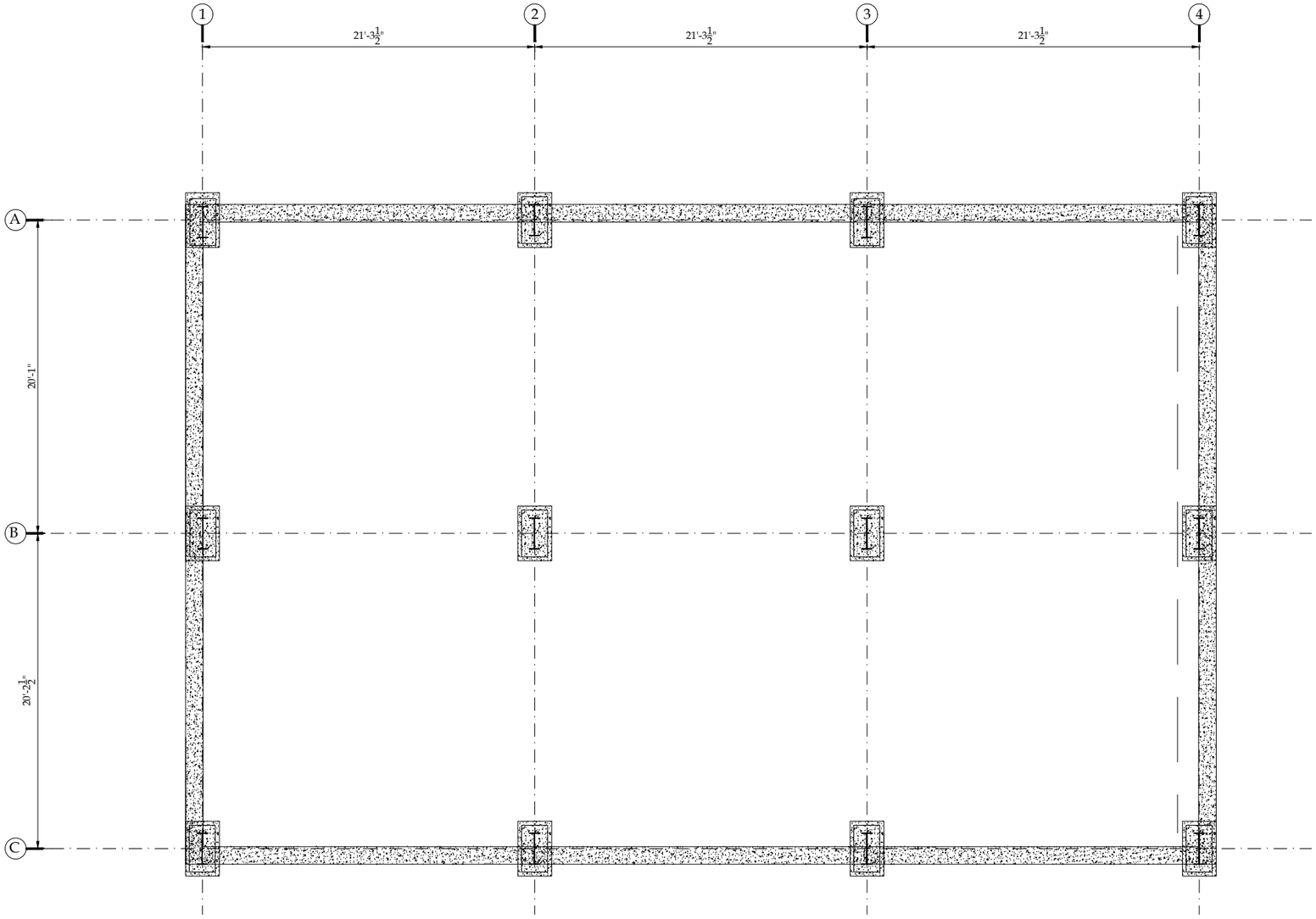



COLUMN C1



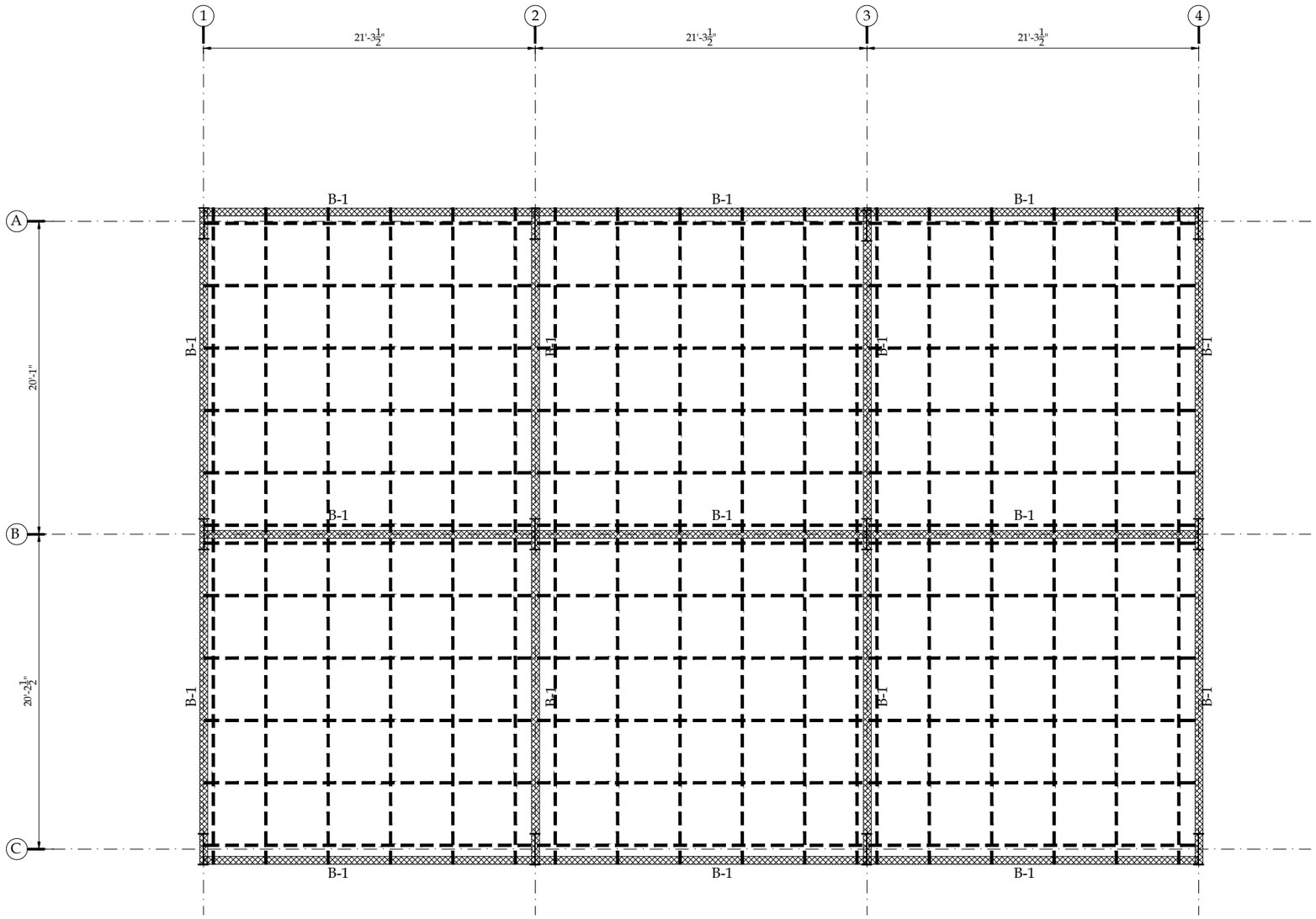

M.S BASE PLATE
FOR COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | RESTURANT<br>FOUNDATION & COLUMN SECTIONAL DETAIL | STR-03<br>SCALE:<br>SHEET: A3 | | | | |



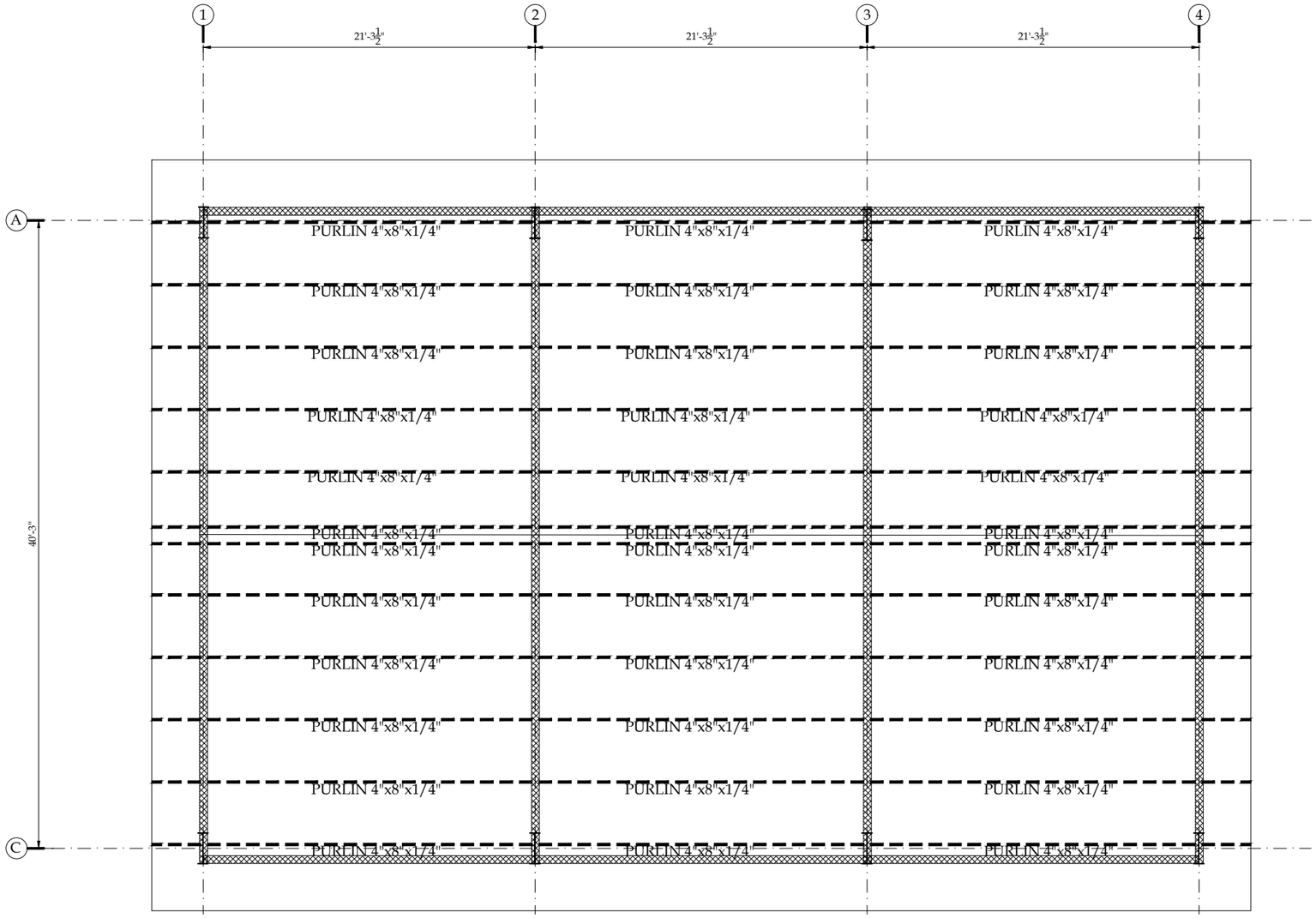

# PLINTH BEAMS FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | RESTURANT<br>PLINTH BEAMS FRAMING PLAN | STR-04<br>SCALE:<br>SHEET: A3 | | | | |




# FIRST FLOOR DECK SLAB BEAMS FRAMING PLAN

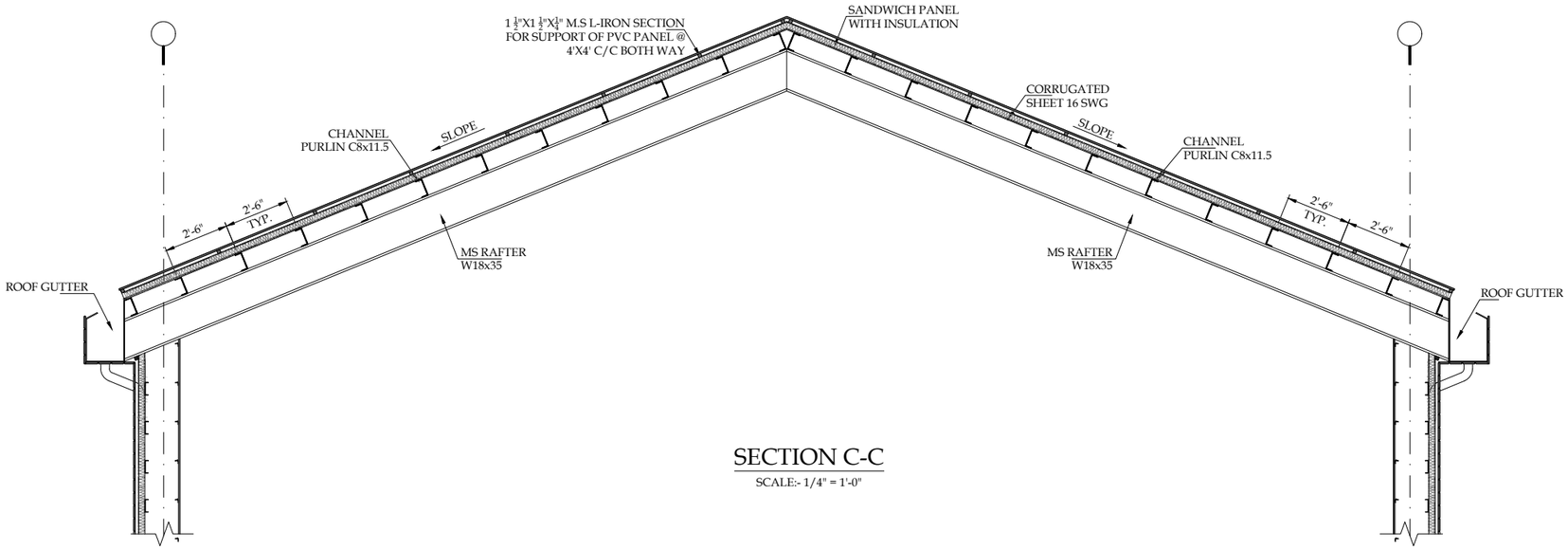
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | RESTURANT<br>FIRST FLOOR DECK SLAB BEAMS FRAMING PLAN | STR-05 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |




## ROOF TRUSS (TR-1) FRAMING PLAN

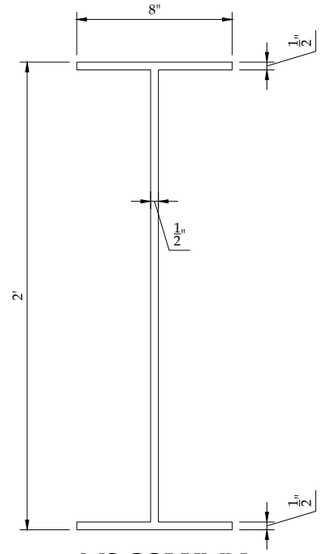
SCALE:- 1/6" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | RESTURANT<br>ROOF TRUSS FRAMING PLAN | STR-06<br>SCALE:<br>SHEET: A3 | | | | |

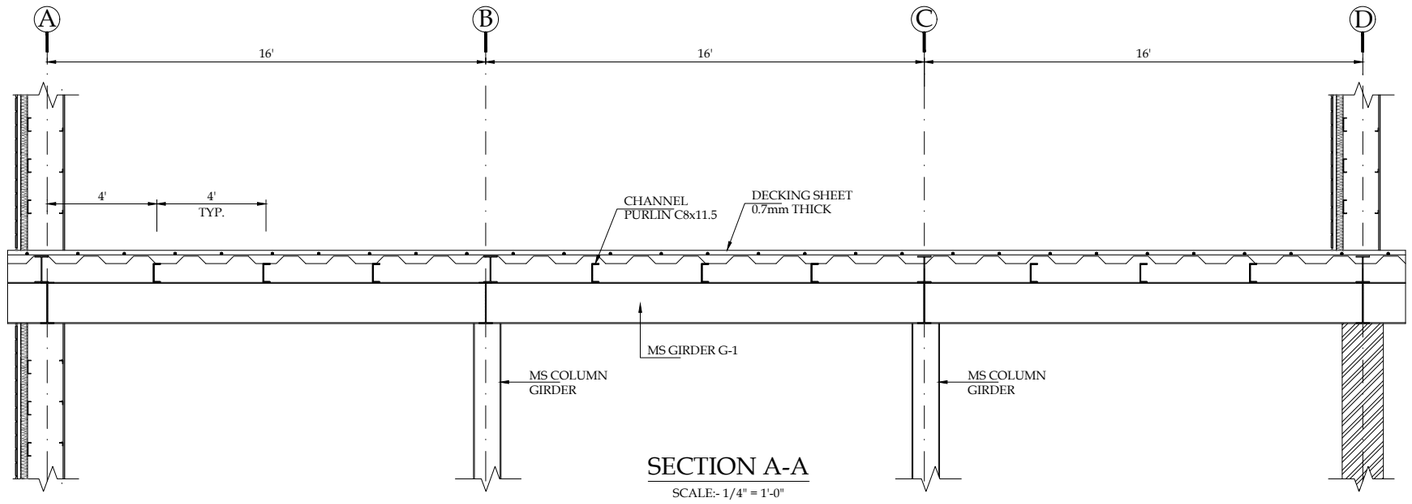



SECTION C-C

SCALE:- 1/4" = 1'-0"

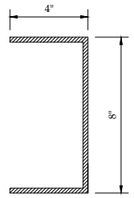



MS COLUMN
SECTION W24x65




SECTION A-A

SCALE:- 1/4" = 1'-0"




PURLIN
3"x6"x1/4"

SCALE:- 1" = 4"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | RESTURANT<br>TRUSS T-1 SECTIONAL DETAIL | STR-07 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

CHASHMA

ECO LODGES SINGLE BED

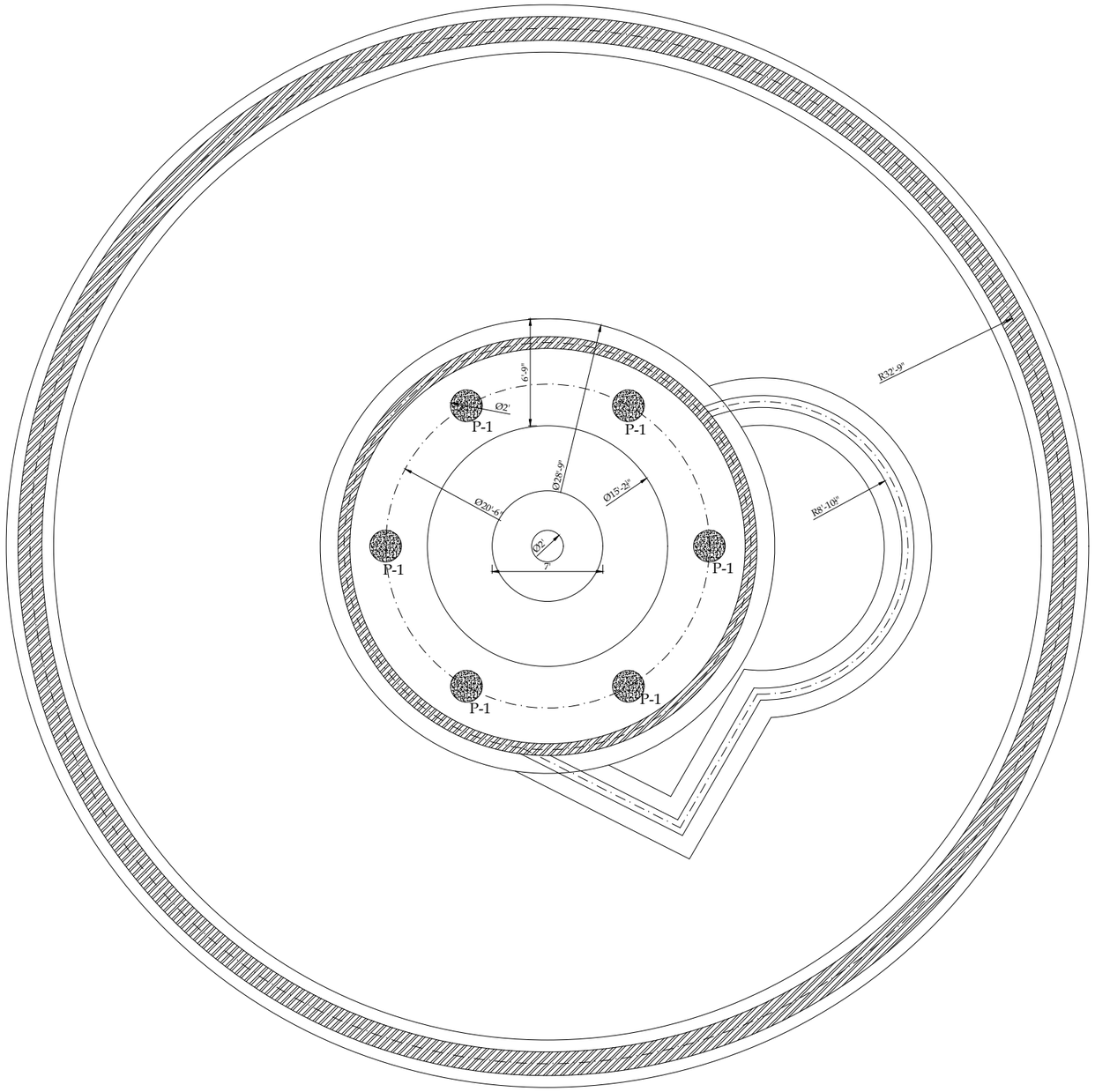
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

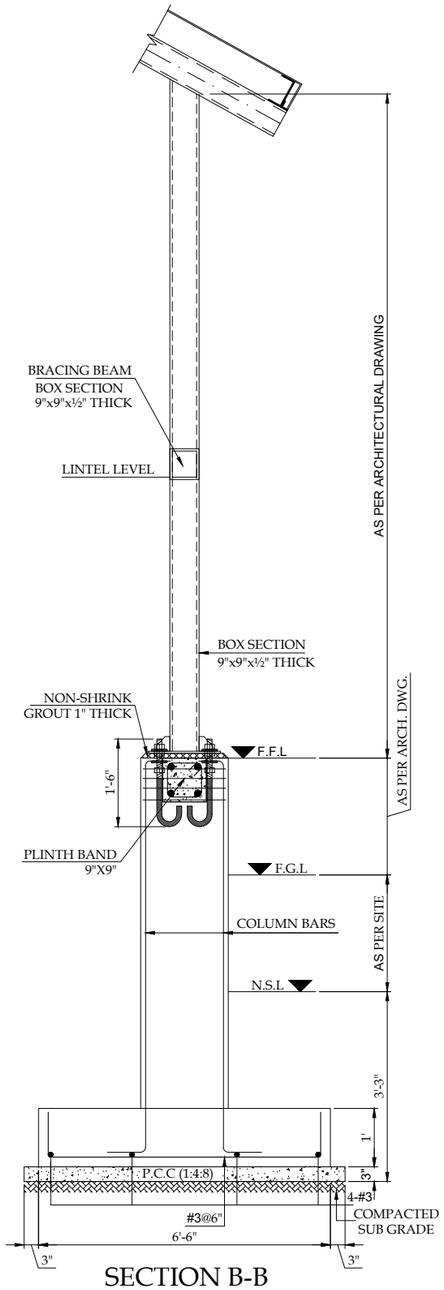
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




FOUNDATION LAYOUT PLAN

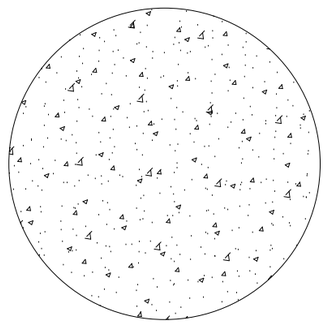
SCALE:- 3/16" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | | ECO LODGE SINGLE BED<br>FOUNDATION LAYOUT PLAN | STR-01 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | | |



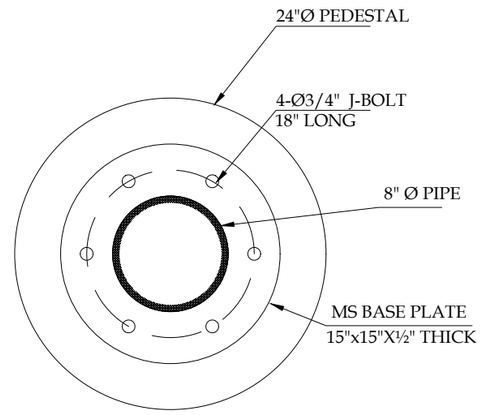

SECTION B-B

SCALE:- 3/8" = 1'-0"



PEDESTAL P-1

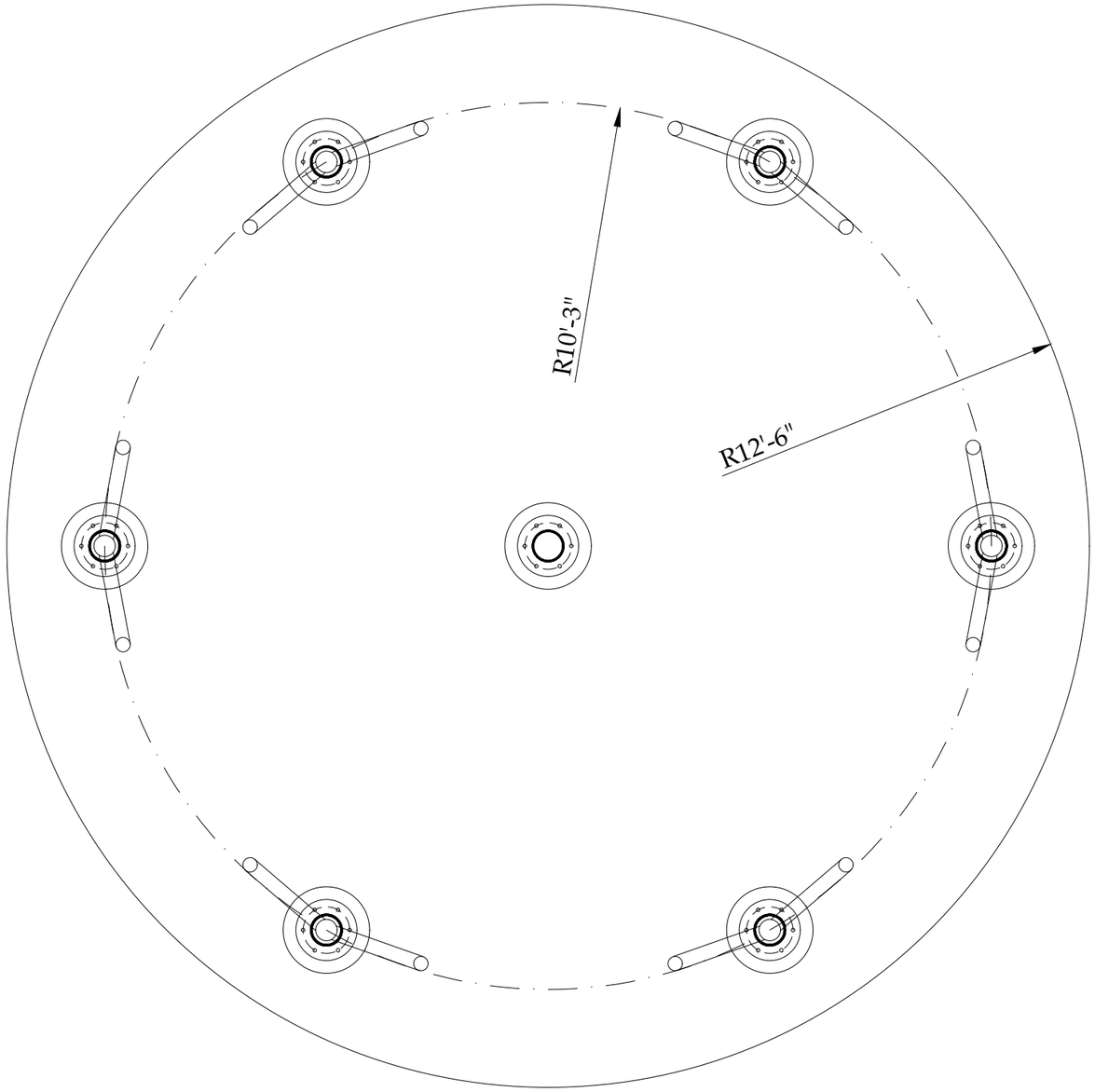
SCALE:- 1" = 1'-0"




PEDESTAL P-1

SCALE:- 1" = 1'-0"

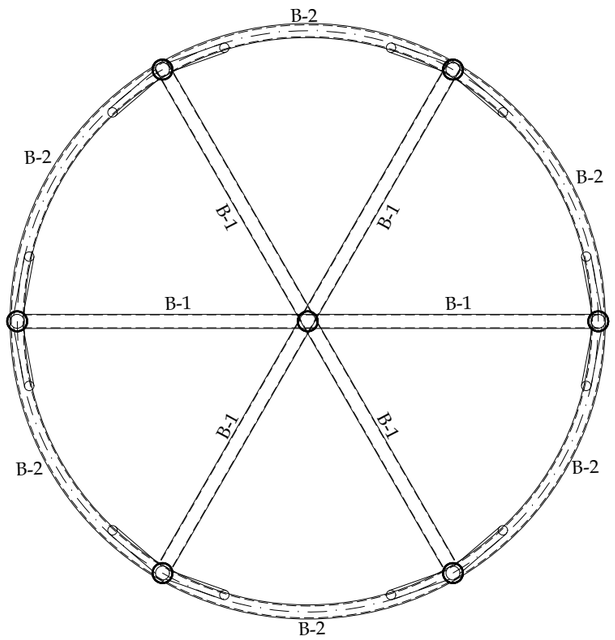
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: CHASHMA | DRAWN BY: | M.ADNAN | DRAWING TITLE: ECO LODGE SINGLE BED | DRAWING NO: STR-02 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | M. ASAD ULLAH | FOUNDATION & COLUMN PEDESTAL SECTIONAL DETAILS | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: | SHEET: A3 | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | |




# PEDESTAL LAYOUT PLAN

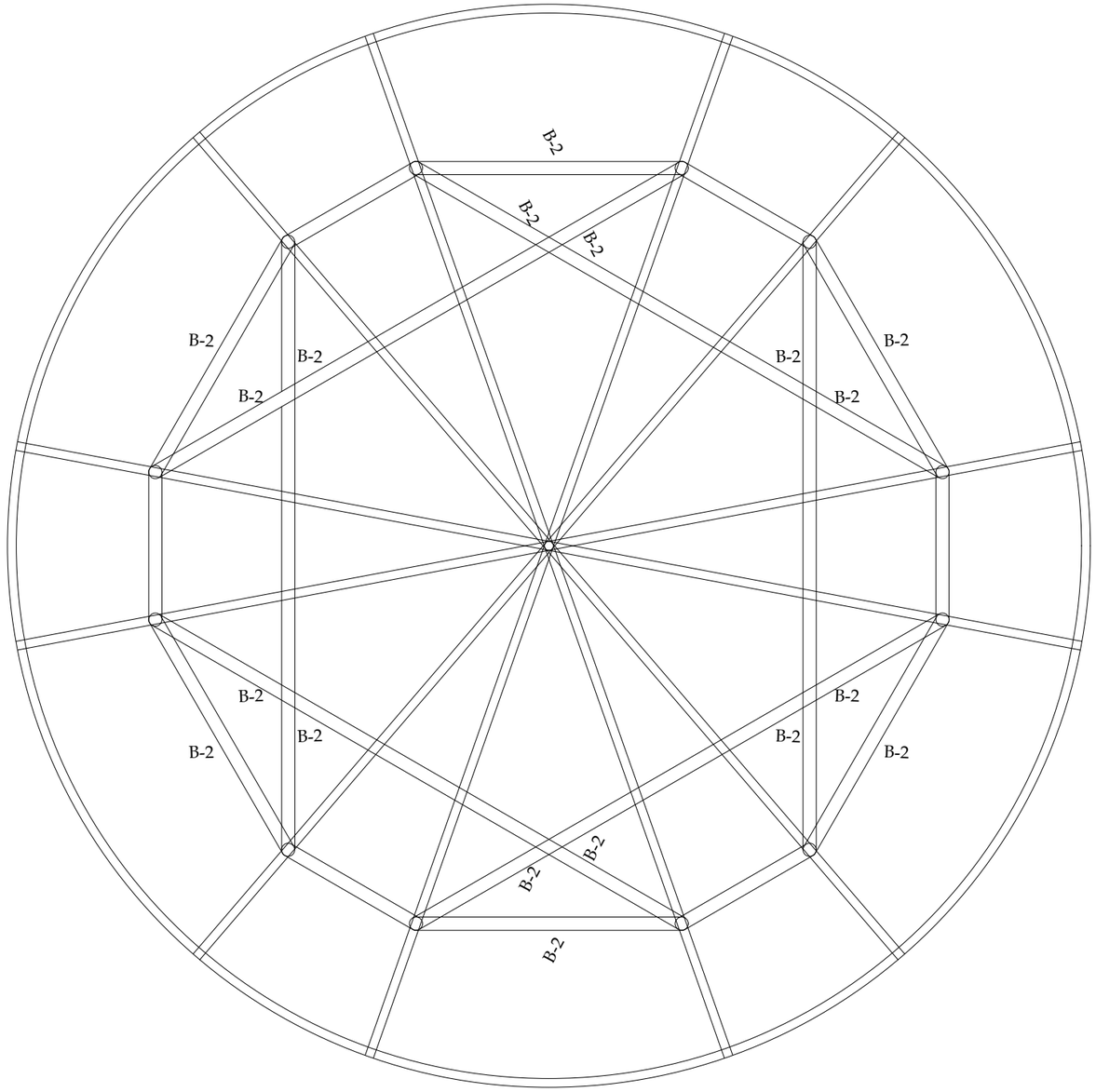
SCALE:- 3/16" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** CHASHMA | DRAWN BY: M.ADNAN | **DRAWING TITLE:** ECO LODGE SINGLE BED | **DRAWING NO:** STR-03 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | PEDESTAL LAYOUT PLAN | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | SCALE: | SHEET: A3 | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | | |
| | | | DATE: MARCH, 2025 | | | | | | |




## FIRST FLOOR DECK SLAB PLAN

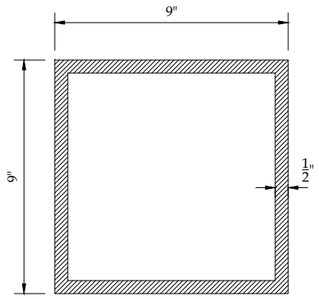
SCALE:- 3/16" = 1'-0"



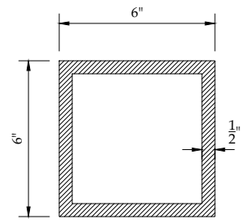

## TOP ROOF SLAB PLAN

SCALE:- 3/16" = 1'-0"

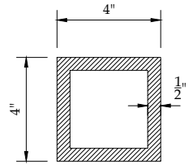
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: CHASHMA | DRAWN BY: M.ADNAN | DRAWING TITLE: ECO LODGE SINGLE BED — FIRST FLOOR DECK SLAB & TOP ROOF SLAB PLAN | DRAWING NO: STR-04 | REV. | DESCRIPTION | SIGN. / DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | | SCALE: / SHEET: A3 | | | |
| | | | CHECKED BY: NAVEED NAZ | | | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | |
| | | | DATE: MARCH, 2025 | | | | | |



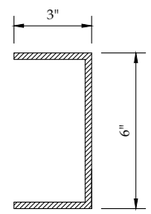

BOX SECTION
9"x9"x½"
SCALE:- 1" = 4"




BOX SECTION
6"x6"x½"
SCALE:- 1" = 4"




BOX SECTION
4"x4"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: CHASHMA | DRAWN BY: M.ADNAN | DRAWING TITLE: ECO LODGE SINGLE BED | DRAWING NO: STR-05 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | BEAMS & COLUMNS SECTIONAL DETAILS | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | SCALE: | | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | SHEET: A3 | | | | |
| | | | DATE: MARCH, 2025 | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

CHASHMA

REST ROOMS (6+6)

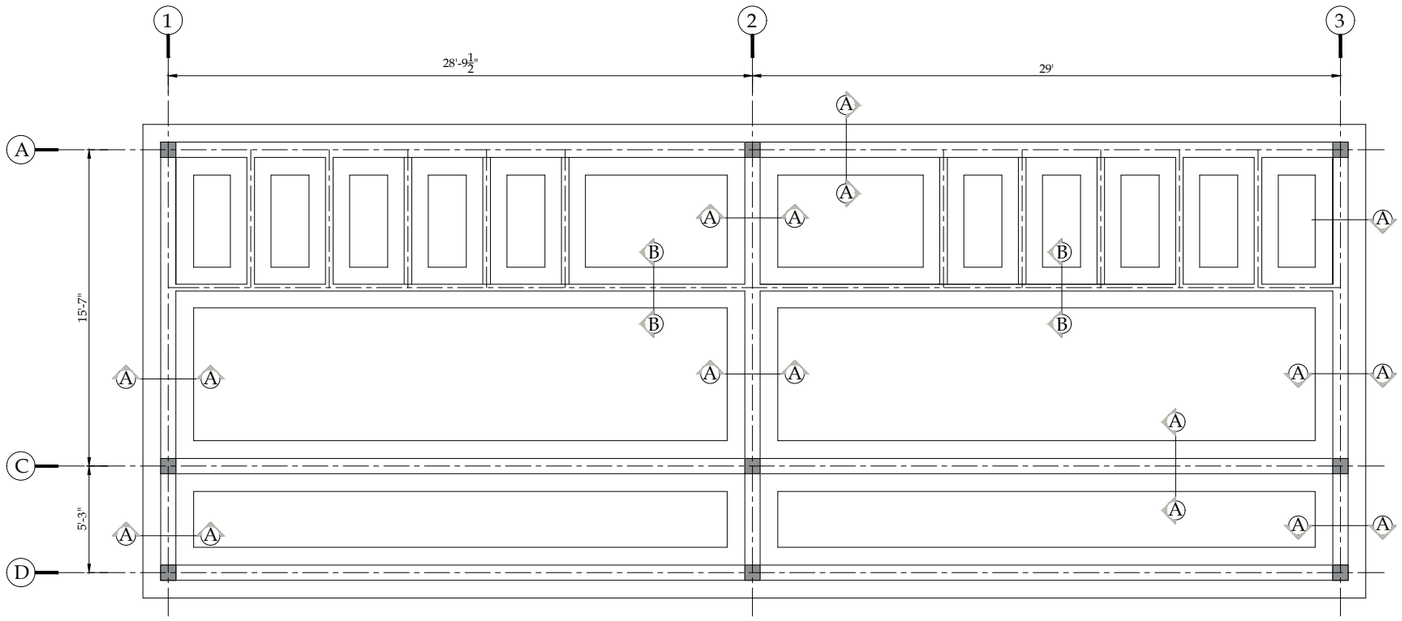
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

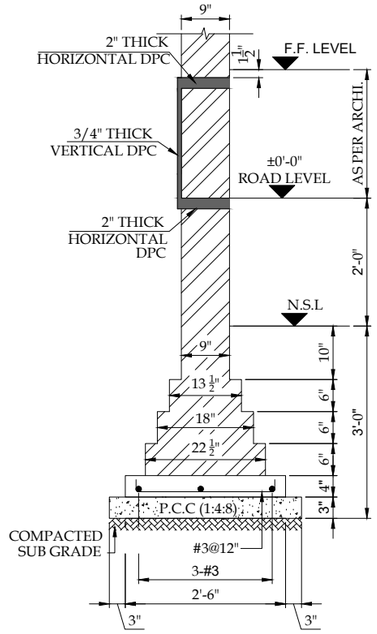
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

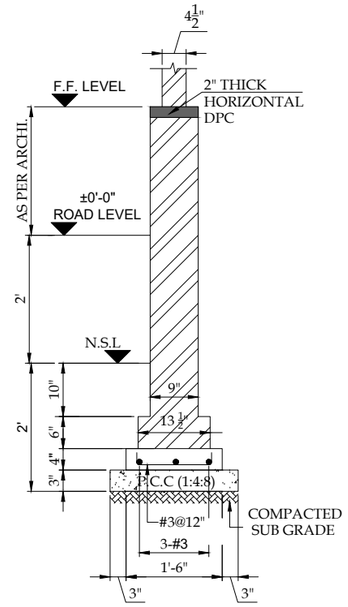
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



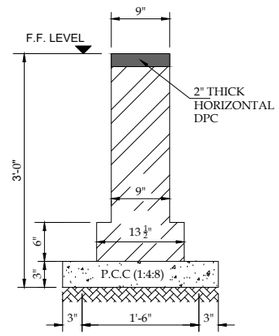

FOUNDATION LAYOUT PLAN



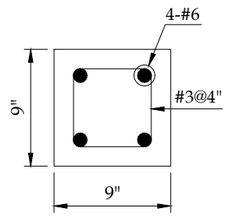

SECTION A-A




SECTION B-B

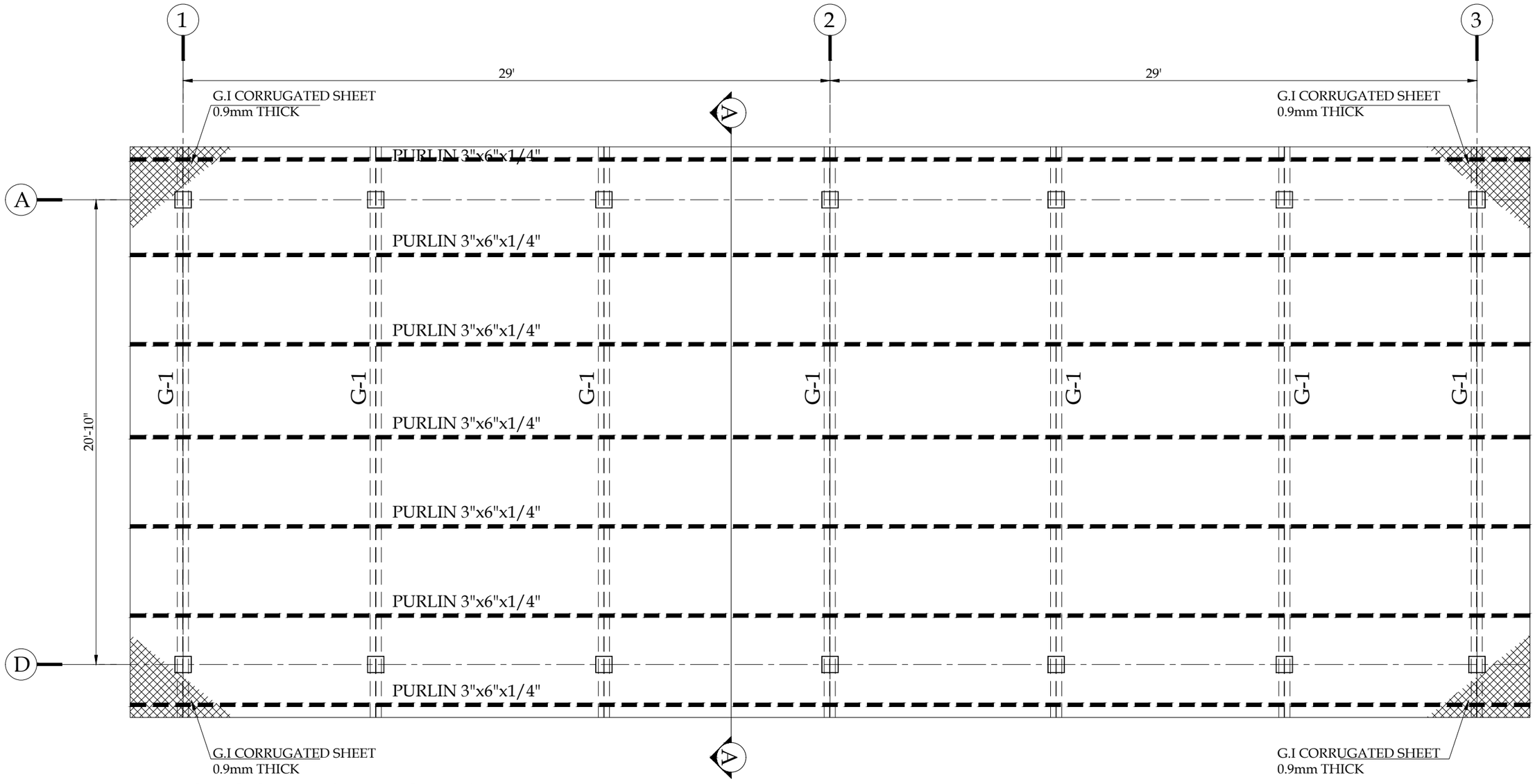



SECTION D-D



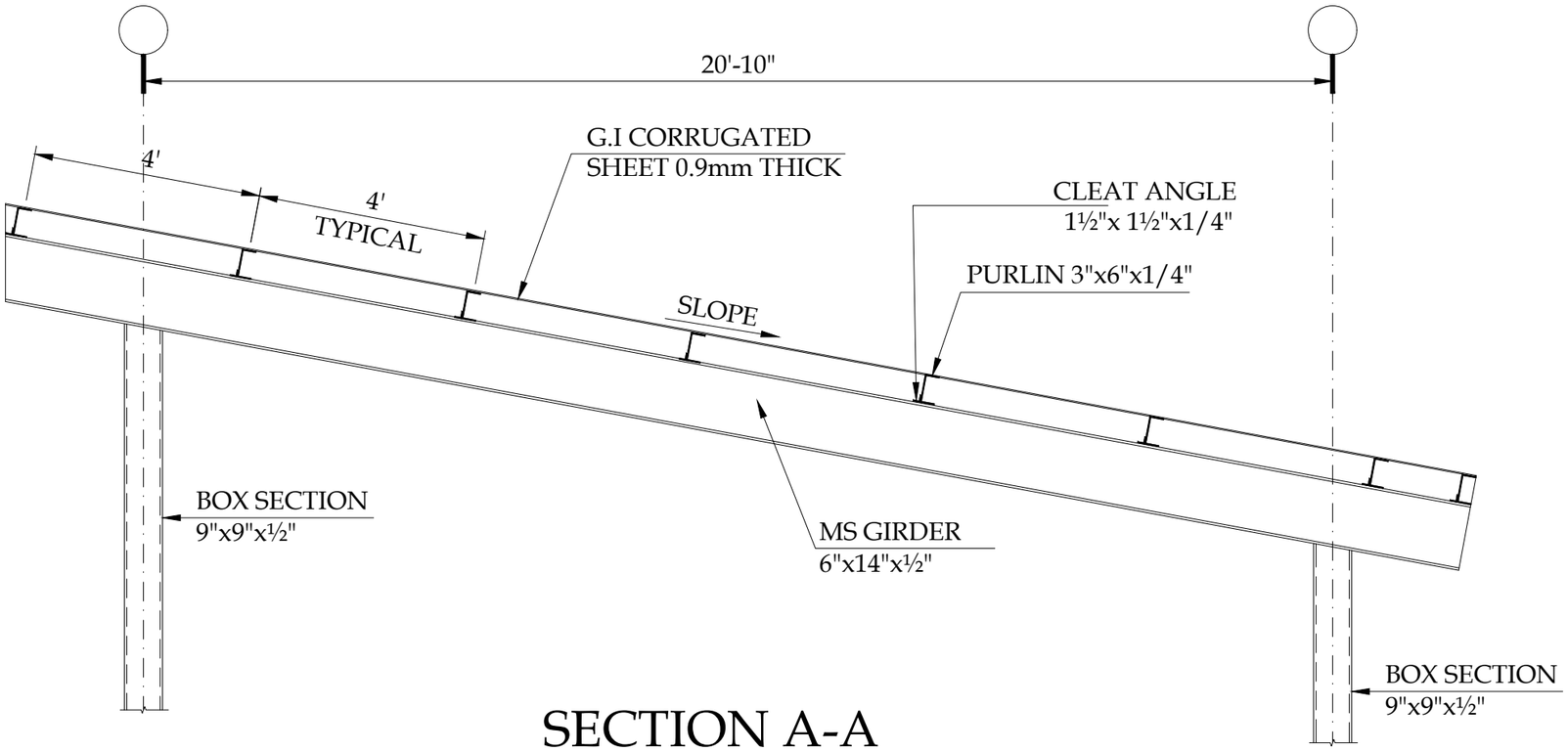

COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | REST ROOMS (6+6)<br>FOUNDATION LAYOUT PLAN & SECTIONAL DETAILS | STR-01<br>SCALE: SHEET: A3 | | | | |



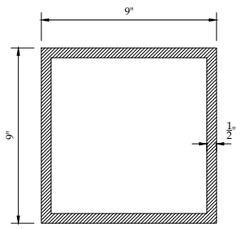

# MS ROOF FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | REST ROOMS (6+6)<br>MS ROOF FRAMING PLAN | STR-02 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

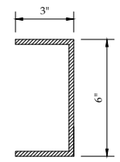



# SECTION A-A

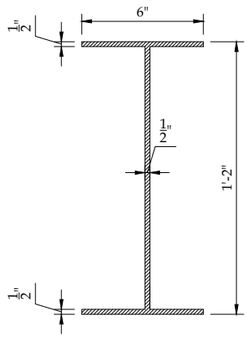
SCALE:- 1/4" = 1'-0"




BOX SECTION
9"x9"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"




GIRDER G-1
SCALE:- 1" = 6"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | CHASHMA | DRAWN BY: | M.ADNAN | REST ROOMS (6+6)<br>ROOF SECTIONAL DETAILS | STR-03<br>SCALE: / SHEET: A3 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## GENERAL DRAWINGS

**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

# CHANGA MANGA

## PROPOSED STRUCTURAL DRAWINGS FOR PC-1
## LIST OF DRAWINGS

| S. NO. | TITLE OF DRAWING | DRAWING NO. |
|---|---|---|
| GENERAL DRAWINGS | | |
| 01 | LIST OF DRAWINGS | STR-0201 |
| 02 | GENERAL NOTES | STR-0202 |
| 02A | TYPICAL LOAD BEARING WALL FOOTING SECTION & COLUMN PEDESTAL FOUNDATION SECTION | STR-0202A |
| PROPOSED STRUCTURAL DRAWINGS | | |
| MAIN GRAND GATE ENTRANCE | | |
| 03 | FOUNDATION LAYOUT PLAN & PLINTH BEAM LAYOUT PLAN | STR-0203 |
| 04 | FOUNDATION SECTION DETAILS | STR-0204 |
| 05 | BRACING BEAM LAYOUT PLAN AT EVERY 10' FROM PLINTH LEVEL TO +30'-0" | STR-0205 |
| 06 | TRUSS AND BRACING BEAM LAYOUT PLAN AT 33'-0" & TRUSS AND BRACING BEAM LAYOUT PLAN AT 45'-0" | STR-0206 |
| INFORMATION CENTER | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-0301 |
| 02 | FOUNDATION SECTION DETAILS | STR-0302 |
| 03 | COLUMN SECTION DETAILS | STR-0303 |
| 04 | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-0304 |
| 05 | STEEL ROOF PLAN | STR-0305 |
| 06 | TRUSS ELEVATION | STR-0306 |
| RESEARCH CENTER | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-0401 |
| 02 | FOUNDATION SECTION DETAILS | STR-0402 |
| 03 | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-0403 |
| 04 | MS ROOF FRAMING PLAN | STR-0404 |
| 05 | TRUSS ELEVATION | STR-0405 |
| RESIDENTIAL FACILITY | | |
| 01 | FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-0501 |
| 02 | MS ROOF FRAMING PLAN | STR-0502 |
| 03 | TRUSS ELEVATION | STR-0503 |
| REST ROOMS (3+3) | | |
| 01 | FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-1001 |
| 02 | MS ROOF FRAMING PLAN | STR-1002 |
| 03 | TRUSS ELEVATION | STR-1003 |
| REST ROOMS (6+6) | | |
| 01 | FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-1301 |
| 02 | MS ROOF FRAMING PLAN | STR-1302 |
| 03 | TRUSS ELEVATION | STR-1303 |
| RESTAURANT | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-1201 |
| 02 | FOUNDATION SECTION DETAILS | STR-1202 |
| 03 | FOUNDATION & COLUMN SECTION DETAILS | STR-1203 |
| 04 | PLINTH BEAMS FRAMING PLAN | STR-1204 |
| 05 | ROOF TRUSS (TR-1) FRAMING PLAN | STR-1205 |
| 06 | TRUSS ELEVATION | STR-1206 |

| S. NO. | TITLE OF DRAWING | DRAWING NO. |
|---|---|---|
| AMPHITHEATER | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-1701 |
| 02 | FOUNDATION SECTION DETAILS | STR-1702 |
| JUNGIE SAFRI GATE | | |
| 01 | FOUNDATION LAYOUT PLAN & PLINTH BEAM LAYOUT PLAN | STR-2301 |
| 02 | FOUNDATION SECTION DETAILS | STR-2302 |
| 03 | BRACING BEAMS LAYOUT PLAN AT EVERY 8' FROM PLINTH LEVEL TO +24'-0" | STR-2303 |
| 04 | TRUSS AND BRACING BEAM LAYOUT PLAN AT 33'-0" & TRUSS AND BRACING BEAM LAYOUT PLAN AT 45'-0" | STR-2304 |
| 05 | TRUSS T-1 | STR-2305 |
| TRAM STATION | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-2501 |
| 02 | FOUNDATION SECTION DETAILS | STR-2502 |
| 03 | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-2503 |
| 04 | MS ROOF FRAMING PLAN | STR-2504 |
| 05 | TRUSS ELEVATION | STR-2505 |
| WATCH TOWER | | |
| 01 | FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-3001 |
| 02 | MS SLAB FRAMING PLAN & MS TOP ROOF FRAMING PLAN | STR-3002 |
| 03 | ELEVATION | STR-3003 |
| MEDICAL CENTER | | |
| 01 | FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-3701 |
| 02 | MS ROOF FRAMING PLAN | STR-3702 |
| 03 | TRUSS ELEVATION | STR-3703 |
| ECO TOURISM GATE | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-3801 |
| 02 | FOUNDATION SECTION DETAILS | STR-3802 |
| 03 | PLINTH BEAM LAYOUT PLAN | STR-3803 |
| 04 | BRACING BEAMS LAYOUT PLAN AT EVERY 8' FROM PLINTH LEVEL TO +24'-0" | STR-3804 |
| 05 | TRUSS ELEVATION | STR-3805 |
| CORPORATE BOARD MEETING ROOM FOR MEETING | | |
| 01 | FOUNDATION LAYOUT PLAN & SECTION DETAILS | STR-4001 |
| 02 | FOUNDATION SECTION DETAILS | STR-4002 |
| 03 | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-4003 |
| 04 | MS ROOF FRAMING PLAN & SECTION DETAIL | STR-4004 |
| 05 | ROOF SECTION DETAIL | STR-4005 |
| ECO LOGES SINGLE BED | | |
| 01 | FOUNDATION LAYOUT PLAN & PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-4201 |
| 02 | FOUNDATION SECTION DETAILS | STR-4202 |
| 03 | TRUSS ROOF FRAMING PLAN | STR-4203 |
| 04 | TRUSS ELEVATION & SECTION DETAILS | STR-4204 |

| S. NO. | TITLE OF DRAWING | DRAWING NO. |
|---|---|---|
| ECO LOGES 2 DOUBLE BED | | |
| 01 | FOUNDATION LAYOUT PLAN & PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-4301 |
| 02 | FOUNDATION SECTION DETAILS | STR-4302 |
| 03 | TRUSS ROOF FRAMING PLAN | STR-4303 |
| 04 | TRUSS ELEVATION & SECTION DETAILS | STR-4304 |
| ECO TOURISM CLUB | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-4401 |
| 02 | FOUNDATION SECTION DETAILS | STR-4402 |
| 03 | COLUMN SECTION DETAILS | STR-4403 |
| 04 | ROOF FRAMING PLAN | STR-4404 |
| 04 | TRUSS ELEVATION & SECTION DETAILS | STR-4404 |
| GLAMPING POD SINGLE BED | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-4701 |
| 02 | FOUNDATION SECTION DETAILS | STR-4702 |
| 03 | MS ROOF FRAMING PLAN & SECTION DETAILS | STR-4703 |
| GLAMPING POD DOUBLE BED | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-4801 |
| 02 | FOUNDATION SECTION DETAILS | STR-4802 |
| 03 | MS ROOF FRAMING PLAN & SECTION DETAILS | STR-4803 |
| ADMIN BLOCK | | |
| 01 | FOUNDATION LAYOUT PLAN | STR-4901 |
| 02 | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-4902 |
| 03 | FOUNDATION SECTION DETAILS | STR-4903 |
| 04 | TRUSS ROOF FRAMING PLAN | STR-4904 |
| 05 | TRUSS ELEVATION & SECTION DETAILS | STR-4905 |

**CLIENT:**

PUNJAB WILDLIFE & PARK DEPARTMENT
GOVERNMENT OF THE PUNJAB

**CONSULTANTS:**

ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

**PROJECT:**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

| | | |
|---|---|---|
| DRAWN BY: | M.ADNAN | |
| DESIGNED BY: | M. ASAD ULLAH | |
| CHECKED BY: | NAVEED NAZ | |
| APPROVED BY: | SABIR HUSSAIN | |
| DATE: | MARCH, 2025 | |

**DRAWING TITLE:** LIST OF DRAWINGS

**DRAWING NO:** STR-0201

**SCALE:**

**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

# 1-GENERAL

1- READ ALL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, PLUMBING/SEWERAGE, MECHANICAL, ELECTRICAL AND ANY OTHER RELEVANT DRAWINGS.

2- NOTES GIVEN IN THIS DRAWING ARE APPLICABLE TO ALL DRAWINGS UNLESS MENTIONED OTHERWISE. NOTES WRITTEN ON A DRAWING, SHALL BE APPLICABLE TO THAT PARTICULAR DRAWING ONLY UNLESS OTHERWISE CROSS-REFERRED.

3- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATIONS OF THE CONTRACT DOCUMENTS. IN ABSENCE OF ANY SPECIFICATIONS , ALL MATERIALS, TESTS AND WORKMANSHIP SHALL CONFORM TO RELEVANT ASTM, ACI/B.S CODES AND

4- SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.

5- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURES DURING CONSTRUCTION. HE SHALL ALSO VERIFY ALL DIMENSIONS AND LEVELS BEFORE EXECUTION OF WORK. ANY DISCREPANCY, ERROR OR OMISSION, IF FOUND, SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER FOR CORRECTION AND APPROVAL.

6- THE CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL AND ALL OTHER DICIPLINE DRAWINGS FOR SIZES AND LOCATION OF ALL STRUCTURAL MEMBERS, FLOORS, WALLS, OPENINGS, FLOOR FINISHES, PIPES ETC.

7- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXECUTION OF DEWATERING SYSTEM WHERE SO REQUIRED DURING CONSTRUCTION. HE SHALL SUBMIT HIS METHODOLOGY FOR APPROVAL OF ENGINEER BEFORE ANY ACTIVITY.

8- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND BAR BENDING SCHEDULES, 21 DAYS

9- IN ADVANCE FOR APPROVAL, TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

10- TERMITE CONTROL TREATMENT SHALL BE CARRIED OUT AS PER SPECIFICATIONS.

11- ALL LEVELS AND DIMENSIONS ARE IN MILIMETER UNLESS OTHERWISE NOTED.

12- DO NOT SCALE THE DRAWINGS WRITTEN DIMENSIONS, GIVEN ON THE DRAWING, SHALL GOVERN.

ALL FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE ACI/AISC/BRITISH SPECIFICATIONS.

BACKFILLING AROUND FOUNDATION SHOULD BE DONE SIMULTANEOUSLY ON BOTH SIDES TO AVOID ANY LATERAL DISPLACEMENT. BACKFILLING UNDER FLOORS AND AROUND FOUNDATIONS SHALL BE DONE IN LAYERS NOT EXCEEDING 6 iNCH. IN THICKNESS AND COMPACTED UPTO 95% MODIFIED PROCTOR DENSITY.

# 2-EXCAVATION

1- EXCAVATION SHALL BE MADE TO THE LINES AND LEVELS SHOWN ON THE DRAWINGS. THE ENGINEER MAY CHANGE THE EXTENT OR THE LEVELS OF EXCAVATION DURING THE PROGRESS OF WORKS.
2- THE CONTRACTOR MAY USE STABLE SLOPES OTHER THAN THOSE SHOWN ON THE DRAWINGS WITH THE PRIOR APPROVAL OF THE ENGINEER.
3- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE EXCAVATED AREA AND SHALL KEEP THE AREA IN A SOUND AND DRY CONDITION.
4- THE TERMITE CONTROL TREATMENT SHALL BE APPLIED AFTER EXCAVATION OF FOUNDATIONS ON BEDS AND SIDE SLOPES BEFORE CONCRETING OPERATION.
5- PART OF EXCAVATED MATERIAL, AS DIRECTED BY THE ENGINEER, SHALL BE PLACED IN STOCK PILES FOR BACKFILLING. ALL OTHER MATERIAL SHALL BE DISPOSED OF IN
6- APPROVED DISPOSAL AREA AS DIRECTED BY THE ENGINEER.
7- ANY OVER EXCAVATED AREAS OR DOUBTFUL PATCHES, AS DIRECTED BY THE ENGINEER
8- SHALL BE FILLED WITH LEAN CONCRETE.

# 3-FOUNDATIONS

1. THE DESIGN OF FOUNDATION IS BASED ON BEARING CAPACITY OF 0.50 TSF, BASED ON GEO-TECHNICAL INVESTIGATIONS CARRIED OUT AT THE PROJECT SITE FOR THE UP-GRADATION OF TDCP TOURIST RESORT CONDUCTED BY BUILDING RESEARCH STATION (BRS).
2. THE EXCAVATED BED OF FOUNDATION SHOULD BE THOROUGHLY COMPACTED PRIOR TO LAYING BLINDING CONCRETE IN FOUNDATION
3. AS PER GEO-TECHNICAL INVESTIGATION REPORT OF THE PROJECT SITE IT IS RECOMMENDED TO PLACE FOUNDATION AT A DEPTH OF 4' FT FROM EXISTING GROUND LEVEL OVER 2 FT THICK STRUCTURAL PAD MADE OF SELECT GRANULAR FILL MATERIAL (35 % SAND AND 65% GRAVEL) COMPACTED TO 95% MODIFIED AASHTO DENSITY ( TOTAL EXCAVATION 6 FT REQUIRED). THE STRUCTURAL PAD SHOULD BE CONSTRUCTED 2 FT WIDER ON EACH SIDE THAN THE FOUNDATION WIDTH FOR PROPER CONFINEMENT AND RELEASE OF STRESSES. THE ENGINEER IN-CHARGE SHOULD ENSURE THE QUALITY AND COMPACTION EFFORT USED IN THE CONSTRUCTION OF STRUCTURAL PAD.
4. THE EXCAVATED BED OF FOUNDATION SHOULD BE THOROUGHLY COMPACTED PRIOR TO LAYING BLINDING CONCRETE IN FOUNDATION IT IS RECOMMENDED TO PLACE FOUNDATION
5. THE FOUNDATION BED SOIL SHOULD BE PROTECTED FROM INGRESS OF WATER FROM ANY SOURCE BY PROVIDING ADEQUATE SURFACE DRAINAGE SYSTEM AND ENSURING LEAK PROOF JOINTINGS OF SEWERAGE AND WATER SUPPLY LINES. EXCESSIVE AND UNCONTROLLED WATERING FOR CURING AND COMPACTION OF BACKFILL MATERIAL SHOULD BE AVOIDED.

# 4-REINFORCED CONCRETE

01- STRUCTURAL DESIGN IS BASED ON THE NATIONAL BUILDING CODE OF PAKISTAN AND AMERICAN CONCRETE INSTITUTE CODE OF REINFORCED CONCRETE,ACI 318.
02- ALL STRUCTURAL CONCRETE SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) REQUIREMENTS.
03- THE MINIMUM WORK COMPRESSIVE CYLINDER STRENGTH OF LEAN/BLINDING CONCRETE SHALL BE 1000 psi AT 28 DAYS.
04- THE MINIMUM COMPRESSIVE CONCRETE CYLINDER STRENGTH OF STRUCTURAL CONCRETE FOR ALL STRUCTURAL MEMBERS SHALL BE 3000 psi AT 28 DAYS
05- NO CONCRETING SHALL BE CARRIED OUT UNTIL PERMISSION IS GIVEN IN WRITING.

# 5-REINFORCING STEEL

1- ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM-A615 GRADE 60 HAVING A MINIMUM YIELD STRENGTH OF 60,000 psi.
2- WHEREVER POSSIBLE FULL LENGTH OF REINFORCING BARS SHALL BE USED TO AVOID UNNECESSARY LAPS AND WASTAGE.
3- CLEAR COVER TO REINFORCEMENT SHALL BE:

| SRTUCT.ELEMENT | COVER (INCH) |
|---|---|
| FOOTINGS/RAFT | 2" |
| BEAMS (BOTTOM) | 1.5" |
| BEAMS (SIDES) | 1" |
| COLUMNS | 1.5" |
| SLABS | 0.75" |
| WALLS (INNER FACE) | 1" |
| WALLS (OUTER FACE IN CONTACT WITH EARTH) | 2" |

4- DEVELOPMENT LENGTH

| fc' (PSI) \ Bar Size # | DEVELOPMENT LENGTH 'in' (Fy=60,000 PSI) | | | | | |
|---|---|---|---|---|---|---|
| | 03 | 04 | 05 | 06 | 07 | 08 |
| 3000 | 25 | 33 | 42 | 50 | 73 | 83 |

5- SPLICE LENGTH

| fc' (PSI) \ Bar Size # | SPLICE LENGTH 'in' (Fy=60,000 PSI) | | | | | |
|---|---|---|---|---|---|---|
| | 03 | 04 | 05 | 06 | 07 | 08 |
| 3000 | 32 | 43 | 54 | 64 | 94 | 107 |

EXCEPT AS OTHERWISE SHOWN ON THE DRAWING, WHENEVER REINFORCING BARS OF DIFFERENT SIZES ARE TO BE LAP SPLICEED IN COMPRESSION, SPLICE LENGTH SHALL BE THE LARGER OF DEVELOPMENT LENGTH OF LARGER BAR, OR SPLICE LENGTH OF SMALLER BAR.

6- ALL REINFORCING STEEL SHALL BE ACCURATELY LOCATED IN THE FORMS AND HELD FIRMLY IN PLACE BEFORE AND DURING THE PLACEMENT OF CONCRETE, BY MEANS OF WIRE AND SUPPORTS ADEQUATE TO PREVENT DISPLACEMENT DURING THE COURSE OF CONSTRUCTION.
7- DISTRIBUTION REINFORCEMENT NOT SHOWN SHALL BE PROVIDED AS #3@9" c/c FOR 6 in THICK SLAB AND #3@7" c/c FOR 8 in THICK SLAB.

# 6-CONCRETE CONSTRUCTION

1- ALL STRUCTURAL SURFACES, AGAINST WHICH EARTH IS TO BE FILLED, SHALL BE COATED WITH TWO COATS OF HOT BITUMEN OF 10/20 GRADE AT THE RATE OF 0.4 lb/ft$^2$/coat.

2- THE CONTRACTOR SHALL SUBMIT CONCRETE POURING SCHEDULE FOR ENGINEER'S APPROVAL. NO CONCRETE SHALL BE PLACED UNTIL WRITTEN PERMISSION IS GIVEN BY THE ENGINEER.

3- DURING CONSTRUCTION, STACKING OF CONSTRUCTION MATERIALS, BRICKS, etc. SHOULD BE AVOIDED ON SLAB PANELS.

4- BEFORE CASTING OF ANY STRUCTURAL MEMBER, THE CONTRACTOR SHALL ENSURE THAT ALL EMBEDDED ITEMS FOR ELECTRICAL, MECHANICAL, HVAC, PLUMBING, STRUCTURAL STEEL AND OTHER WORKS ARE PROPERLY LOCATED AND FIRMLY SECURED IN PLACE.

# 7-CONSTRUCTION JOINTS

1- JOINTS, NOT SHOWN ON THE DRAWINGS, SHALL BE SO MADE AND LOCATED AS TO APPROVAL OF THE ENGINEER. THEY SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE LEAST IMPAIR THE STRENGTH OF THE STRUCTURE AND SHALL NEED PRIOR SPANS OF SLABS, BEAMS AND JOISTS. IN WALLS AND COLUMNS SHALL BE AT THE UNDER-SIDE OF FLOOR, SLABS OR BEAMS AND AT THE TOP OF FOOTINGS OR FLOOR SLABS.
2- JOINTS SHALL BE PERPENDICULAR TO MAIN REINFORCEMENT. ALL REINFORCING STEEL SHALL BE CONTINUED ACROSS JOINTS.
3- BEAMS, GIRDERS AND HAUNCHES SHALL BE PLACED MONOLITHICALLY AS PART OF SLAB SYSTEM UNLESS OTHERWISE SHOWN IN DESIGN DRAWINGS OR SPECIFICATIONS.

# 8-SHORING AND BRACING

1- SHORE AND BRACE ALL PARTS OF THE BUILDING DURING CONSTRUCTION, TO THE EXTENT NECESSARY TO ENSURE COMPLETE SAFETY, STRENGTH AND SERVICEABILITY OF ALL STRUCTURAL ELEMENTS UNDER ALL CONDITIONS OF LOADS, WHICH MAY OCCUR DURING CONSTRUCTION. SUCH SHORING AND BRACING IS THE CONTRACTOR'S SOLE RESPONSIBILITY AND IS NOT SHOWN ON STRUCTURAL DRAWINGS OR SPECIFIED IN THE PROJECT SPECIFICATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND STABILITY OF THE ADJACENT EXISTING STRUCTURES AND SHALL PROVIDE ADEQUATE

2- SHORING AND BRACING DURING EXCAVATION AND CONSTRUCTION, WHEREVER AND WHENEVER REQUIRED TO THE SATISFACTION OF THE ENGINEER.

# 9-BRICK WORK

1- ALL BRICK WORK SHALL CONFORM TO SPECIFICATIONS GIVEN IN THE CONTRACT DOCUMENT.
2- ALL BRICKS SHALL BE SOUND, HARD, WELL BURNT AND OF UNIFORM SIZE,COLOUR AND TEXTURE. DIMENSIONAL VARIATION IN SIZES SHALL NOT EXCEED 0.12in.
3- ALL BRICK WORK SHALL BE ERECTED PLUMB AND TRUE TO LINE AND LEVEL. THE MAXIMUM VARIATION IN ANY STOREY HEIGHT OR ANY LENGTH OF WALL SHALL BE 0.12in IN 10ft.
4- ALL BRICK MASONRY FOR WALLS SHALL BE REINFORCED WITH MIILD STEEL FLAT/REINFORCEMENT AS SHOWN ON THE DRAWINGS.
5- TESTING OF COMPRESSIVE STRENGTH OF MASONRY SHALL BE DONE, IF SO DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH ASTM E447 OR PAKISTAN STANDARD-208.
6- THE AVERAGE COMPRESSIVE STRENGTH OF TWELVE BRICKS SHALL BE NOT LESS THAN 2000 psi AND SHALL BE NOT LESS THAN 1500 psi FOR ANY INDIVIDUAL BRICK.
7- BRICK SHALL BE LAID "FROG" UPWARD WITH MORTAR JOINT AND IN ENGLISH AND FLEMISH BOND OR AS DIRECTED BY THE ENGINEER.
8- ALL BRICK MASONRY WORK FOR SUB STRUCTURE SHALL BE CARRIED OUT BY USING 1:5 CEMENT SAND MORTAR
9- ALL BRICK MASONRY WORK FOR SUPER STRUCTURE SHALL BE CARRIED OUT BY USING 1:4 CEMENT SAND MORTAR
10- ALL BRICK MASONRY WORK FOR BOUNDARY WALL SHALL BE CARRIED OUT BY USING 1:3 CEMENT SAND MORTAR
11- ALL BRICK MASONRY WALLS SHALL BE PLASTERED WITH 1:4 CEMENT SAND MORTAR.

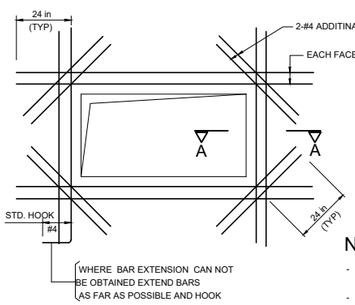
# 10-ELECTRICAL CONDUITS

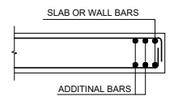
1- CONDUITS, FOR ELECTRICAL WORKS, SHALL BE PLACED WITHIN THE REINFORCED CONCRETE. THEY SHALL BE PLACED WITHIN THE MIDDLE THIRD OF THE SECTION IN BEAMS AND WITHIN THE MIDDLE HALF OF THE THICKNESS IN SLABS. SPACING BETWEEN PARALLEL CONDUITS SHALL NOT BE LESS THAN 6 in.

# 11- STRUCTURAL STEEL

1- FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE PERFORMED IN ACCORDANCE WITH AISC SPECIFICATIONS.
2- ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36 OR EQUIVALENT AS APPROVED BY THE ENGINEER.
3- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF AMERICAN WELDING SOCIETY, AWS, SPECIFICATIONS USING ELECTRODES E70XX.

# 12- REINFORCEMENT DETAIL AT OPENING IN SLAB/SLEEVES.

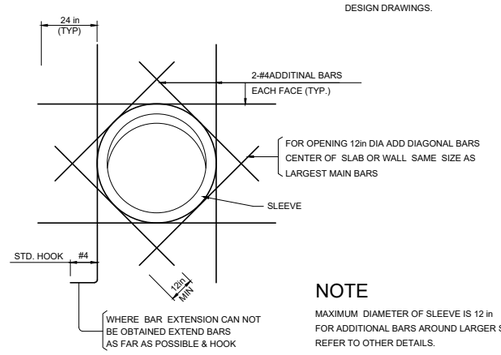



SECTION A-A

NOTES

- FOR OPENING WITH MAXIMUM DIMENSION OVER 60 in REFER TO OTHER DETAILS.
- USE THESE DETAILS IF NOT SHOWN IN DESIGN DRAWINGS.

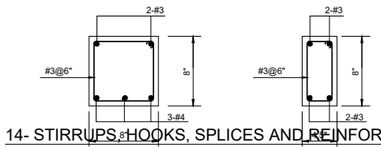



NOTE

MAXIMUM DIAMETER OF SLEEVE IS 12 in
FOR ADDITIONAL BARS AROUND LARGER SLEEVE
REFER TO OTHER DETAILS.

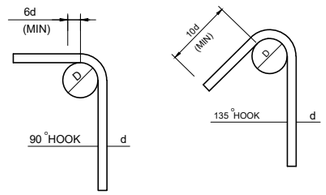
# 13- LINTEL REINFORCEMENT DETAILS.

(UP TO 72 in CLEAR SPAN)



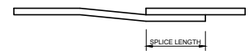

# 14- STIRRUPS,HOOKS, SPLICES AND REINFORCEMENT

BAR SPACING DETAILS.

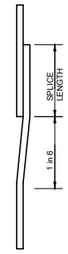



STIRRUPS AND TIE HOOKS

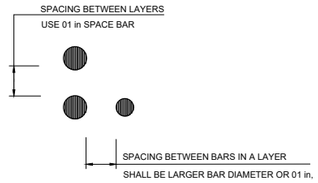
| BAR DIA | D |
|---|---|
| #3 | 2.25 in |
| #4 | 3 in |



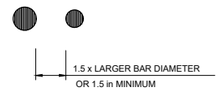

BEAM SPLICE (TYP.)




COLUMN SPLICE (TYP.)

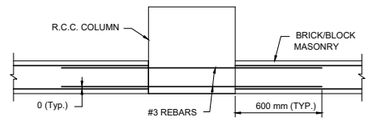



BAR SPACING IN BEAM

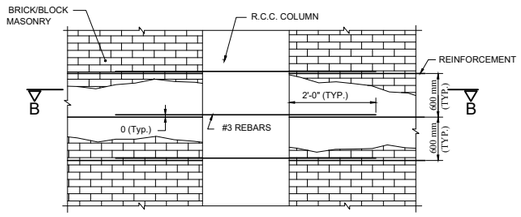



VERTICAL BAR SPACING IN COLUMNS

# 15- BRICK MASONRY REINFORCEMENT DETAIL.

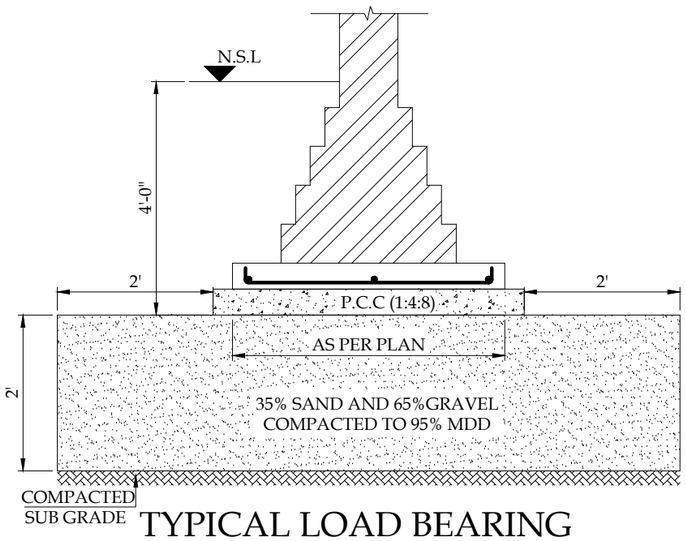



PLAN B-B

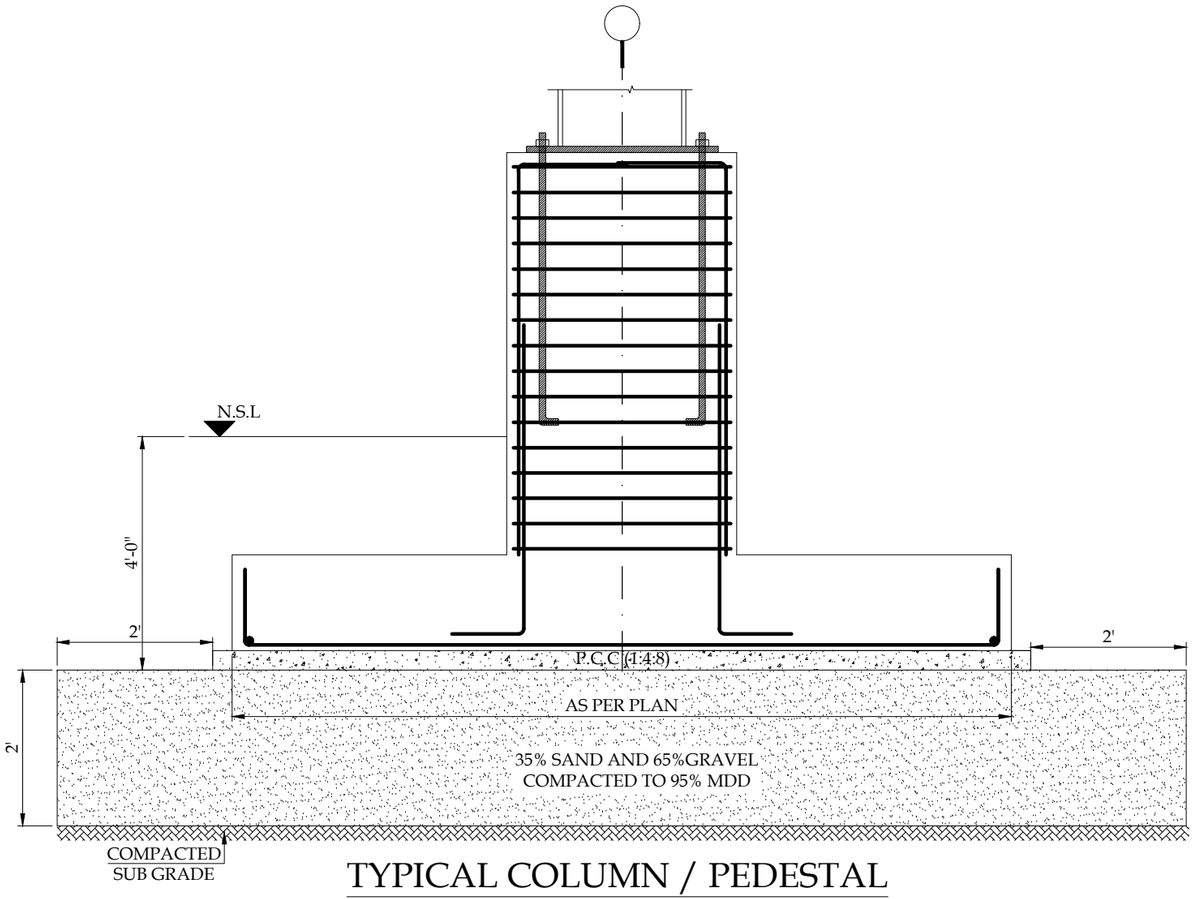



TYP. MASONRY WALL REINFORCEMENT

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | DRAWING TITLE: GENERAL NOTES | DRAWING NO: STR-0202 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | SCALE: | SHEET: A3 | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | |
| | | | DATE: MARCH, 2025 | | | | | |




TYPICAL LOAD BEARING WALL FOOTING SECTION




TYPICAL COLUMN / PEDESTAL FOUNDATION SECTION

## NOTE:

1. THE DESIGN OF FOUNDATION IS BASED ON BEARING CAPACITY OF 0.50 TSF, BASED ON GEO-TECHNICAL INVESTIGATIONS CARRIED OUT AT THE PROJECT SITE FOR THE UP-GRADATION OF TDCP TOURIST RESORT CONDUCTED BY BUILDING RESEARCH STATION (BRS).
2. THE EXCAVATED BED OF FOUNDATION SHOULD BE THOROUGHLY COMPACTED PRIOR TO LAYING BLINDING CONCRETE IN FOUNDATION
3. AS PER GEO-TECHNICAL INVESTIGATION REPORT OF THE PROJECT SITE IT IS RECOMMENDED TO PLACE FOUNDATION AT A DEPTH OF 4' FT FROM EXISTING GROUND LEVEL OVER 2 FT THICK STRUCTURAL PAD MADE OF SELECT GRANULAR FILL MATERIAL (35 % SAND AND 65% GRAVEL) COMPACTED TO 95% MODIFIED AASHTO DENSITY ( TOTAL EXCAVATION 6 FT REQUIRED). THE STRUCTURAL PAD SHOULD BE CONSTRUCTED 2 FT WIDER ON EACH SIDE THAN THE FOUNDATION WIDTH FOR PROPER CONFINEMENT AND RELEASE OF STRESSES. THE ENGINEER IN-CHARGE SHOULD ENSURE THE QUALITY AND COMPACTION EFFORT USED IN THE CONSTRUCTION OF STRUCTURAL PAD.
4. THE EXCAVATED BED OF FOUNDATION SHOULD BE THOROUGHLY COMPACTED PRIOR TO LAYING BLINDING CONCRETE IN FOUNDATION IT IS RECOMMENDED TO PLACE FOUNDATION
5. THE FOUNDATION BED SOIL SHOULD BE PROTECTED FROM INGRESS OF WATER FROM ANY SOURCE BY PROVIDING ADEQUATE SURFACE DRAINAGE SYSTEM AND ENSURING LEAK PROOF JOINTINGS OF SEWERAGE AND WATER SUPPLY LINES. EXCESSIVE AND UNCONTROLLED WATERING FOR CURING AND COMPACTION OF BACKFILL MATERIAL SHOULD BE AVOIDED.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | | DRAWING TITLE: TYPICAL LOAD BEARING WALL FOOTING SECTION & COLUMN / PEDESTAL FOUNDATION SECTION | DRAWING NO: STR-0202A | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | SCALE: | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## MAIN GRAND GATE ENTRANCE

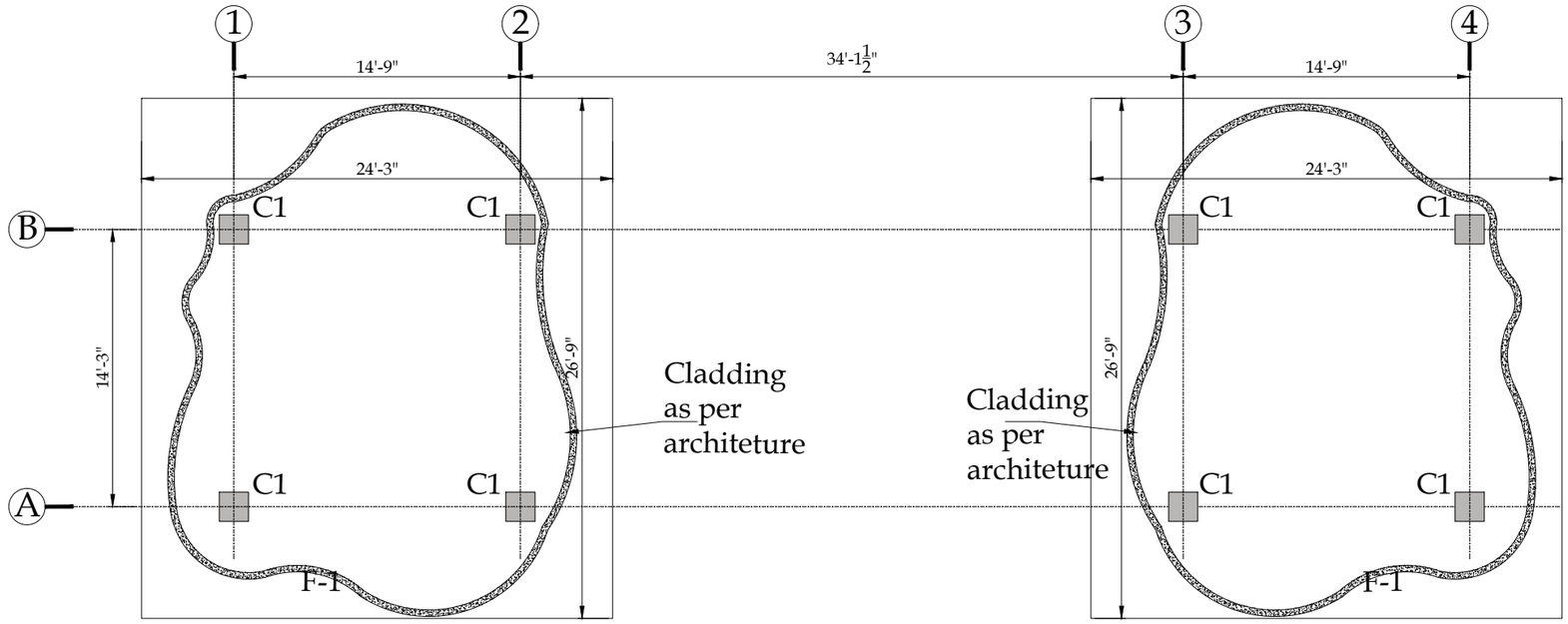
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

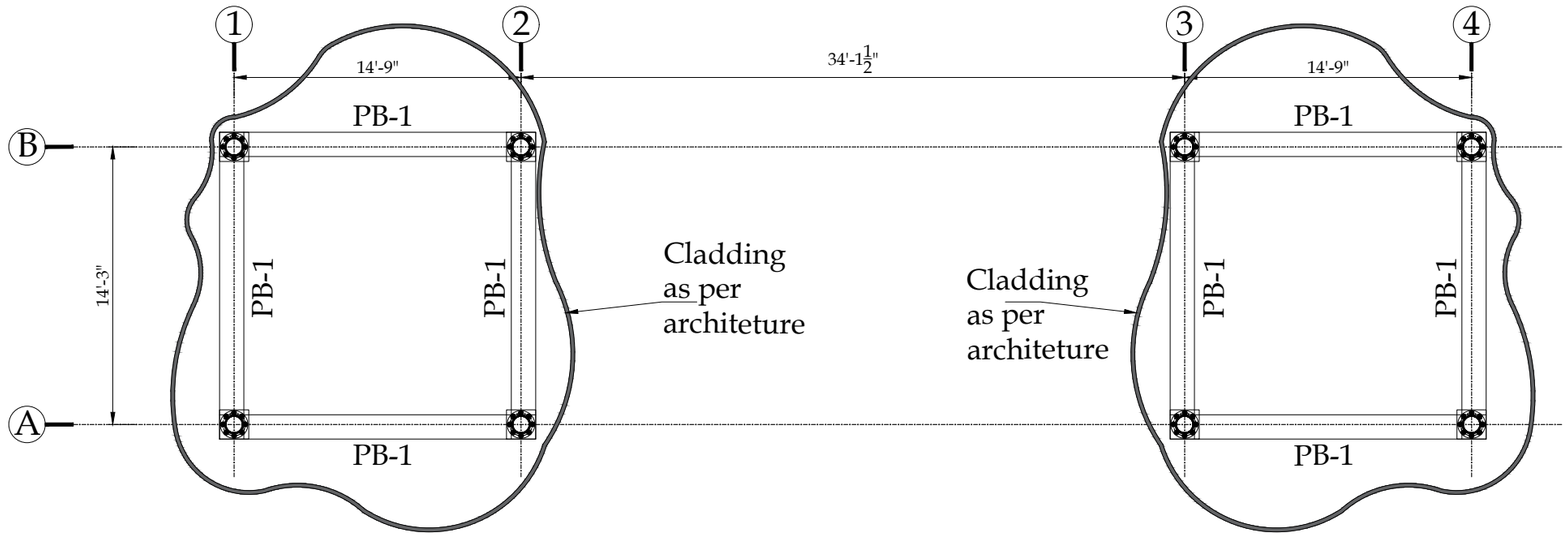
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

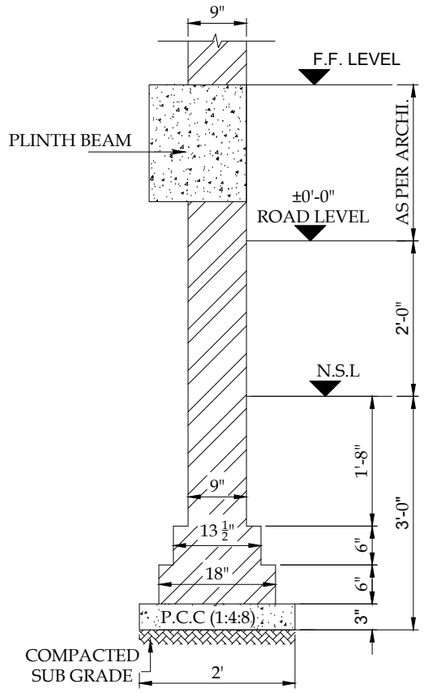



FOUNDATION LAYOUT PLAN

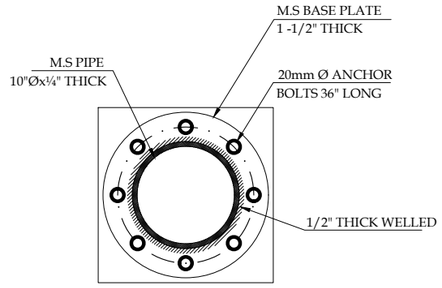



PLINTH BEAM LAYOUT PLAN

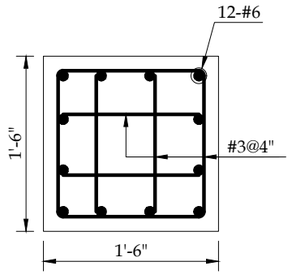
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | MAIN GRAND GATE ENTRANCE<br>FOUNDATION LAYOUT PLAN & PLINTH BEAM LAYOUT PLAN | STR-0203<br>SCALE:<br>SHEET: A3 | | | | |



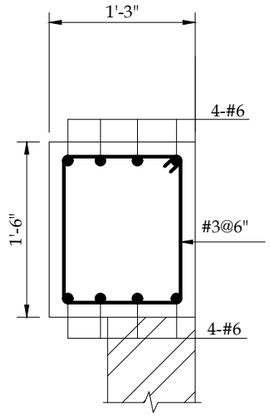

TYPE-A



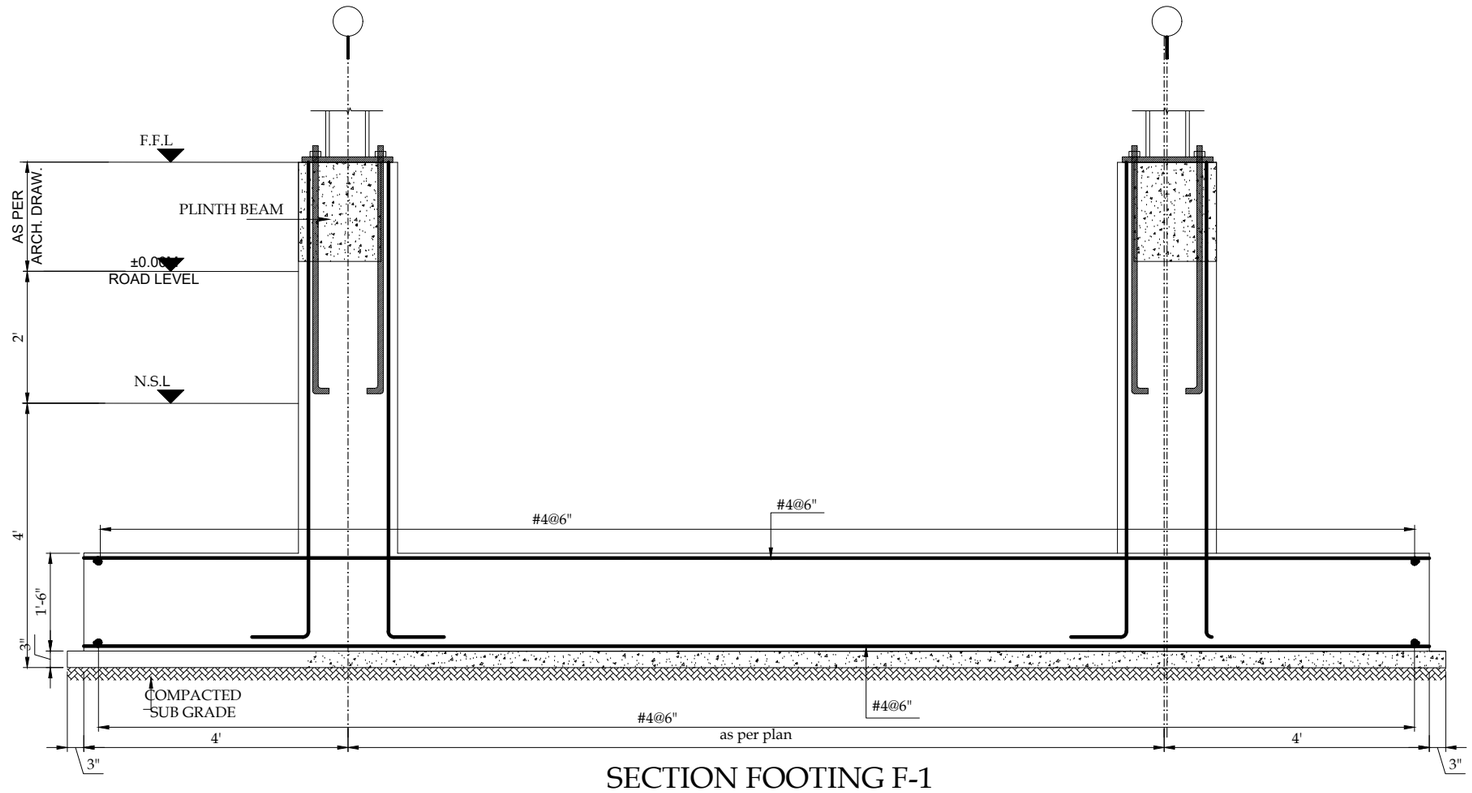

STEEL COLUMN AND BASE PLATE DETAILS




COLUMN C1

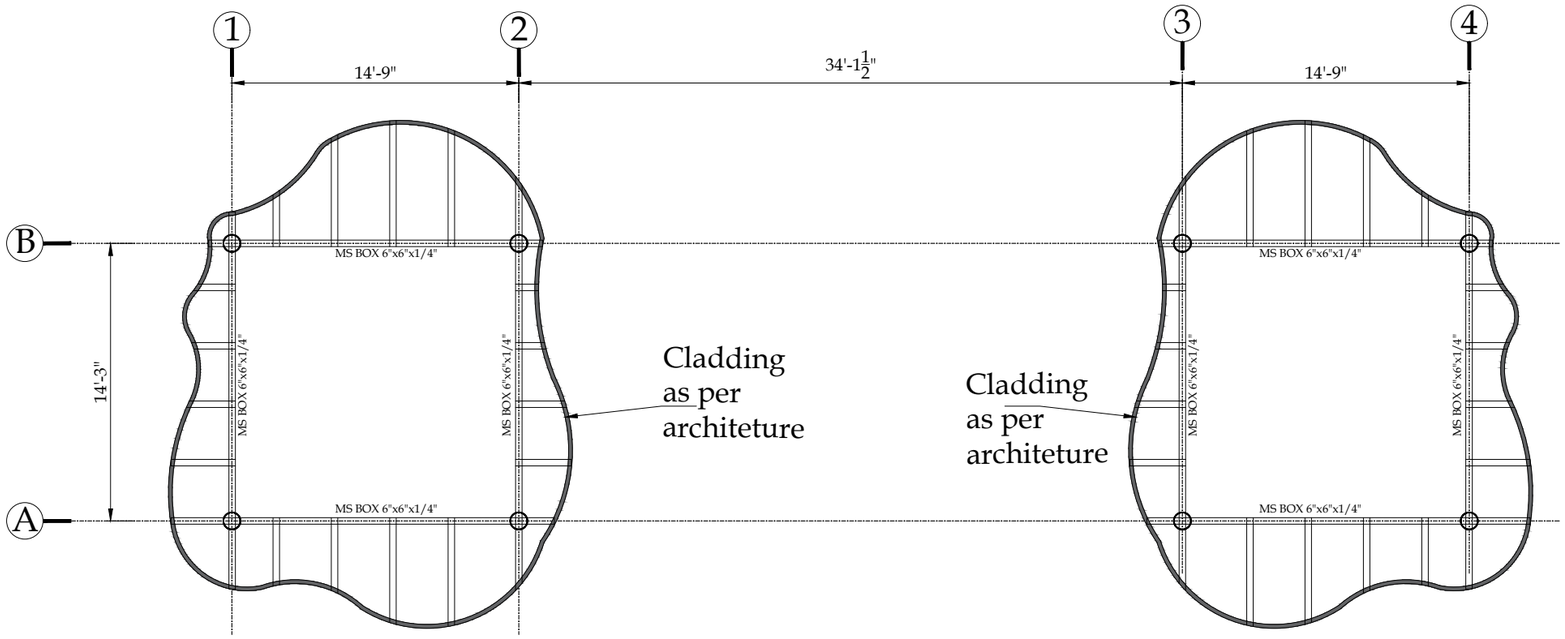



PLINTH BEAM
PB-1




SECTION FOOTING F-1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | MAIN GRAND GATE ENTRANCE<br>FOUNDATION SECTION DETAILS | STR-0204<br>SCALE:<br>SHEET: A3 | | | | |




# BRACING BEAMS LAYOUT PLAN AT EVERY 10' FROM PLINTH LEVEL TO +30'-0"

**CLIENT:**

PUNJAB WILDLIFE & PARK DEPARTMENT

GOVERNMENT OF THE PUNJAB

**CONSULTANTS:**

ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

**PROJECT:**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

| | | |
|---|---|---|
| DRAWN BY: | M.ADNAN | |
| DESIGNED BY: | M. ASAD ULLAH | |
| CHECKED BY: | NAVEED NAZ | |
| APPROVED BY: | SABIR HUSSAIN | |
| DATE: | MARCH, 2025 | |

**DRAWING TITLE:**

**MAIN GRAND GATE ENTRANCE**

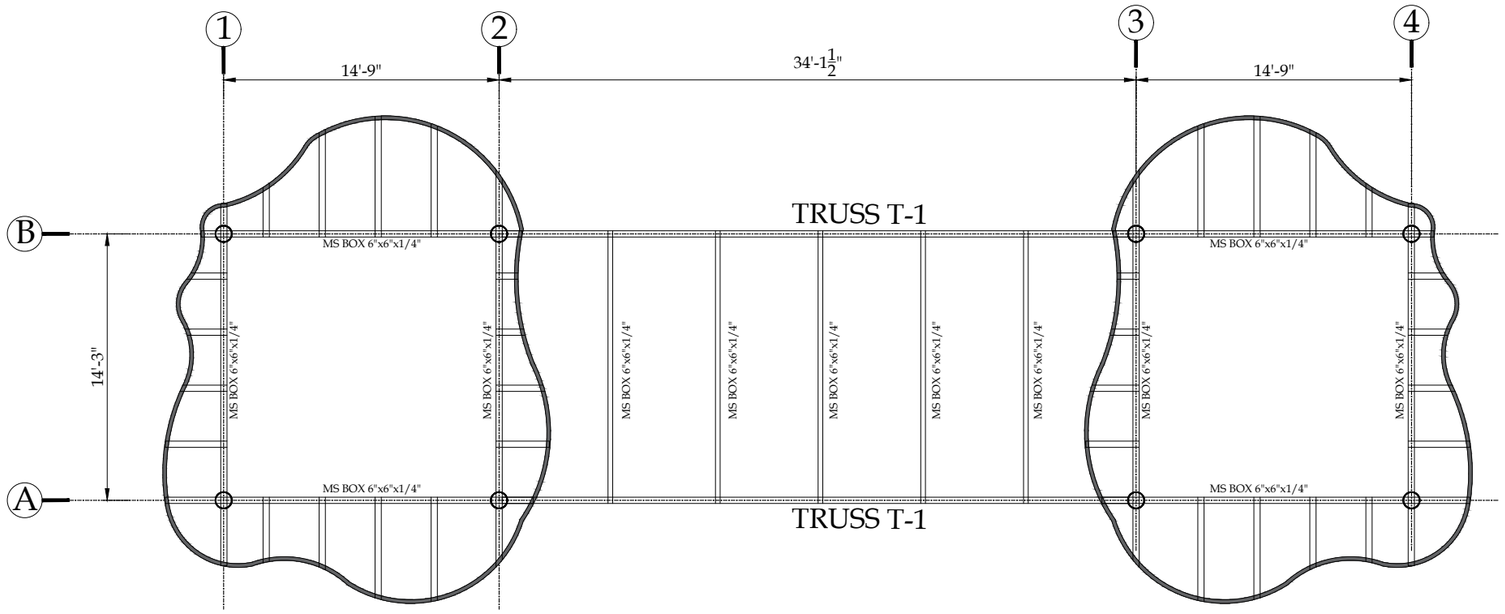
BRACING BEAM LAYOUT PLAN AT EVERY 10' FROM PLINTH LEVEL TO +30'-0"

**DRAWING NO:** **STR**-0205

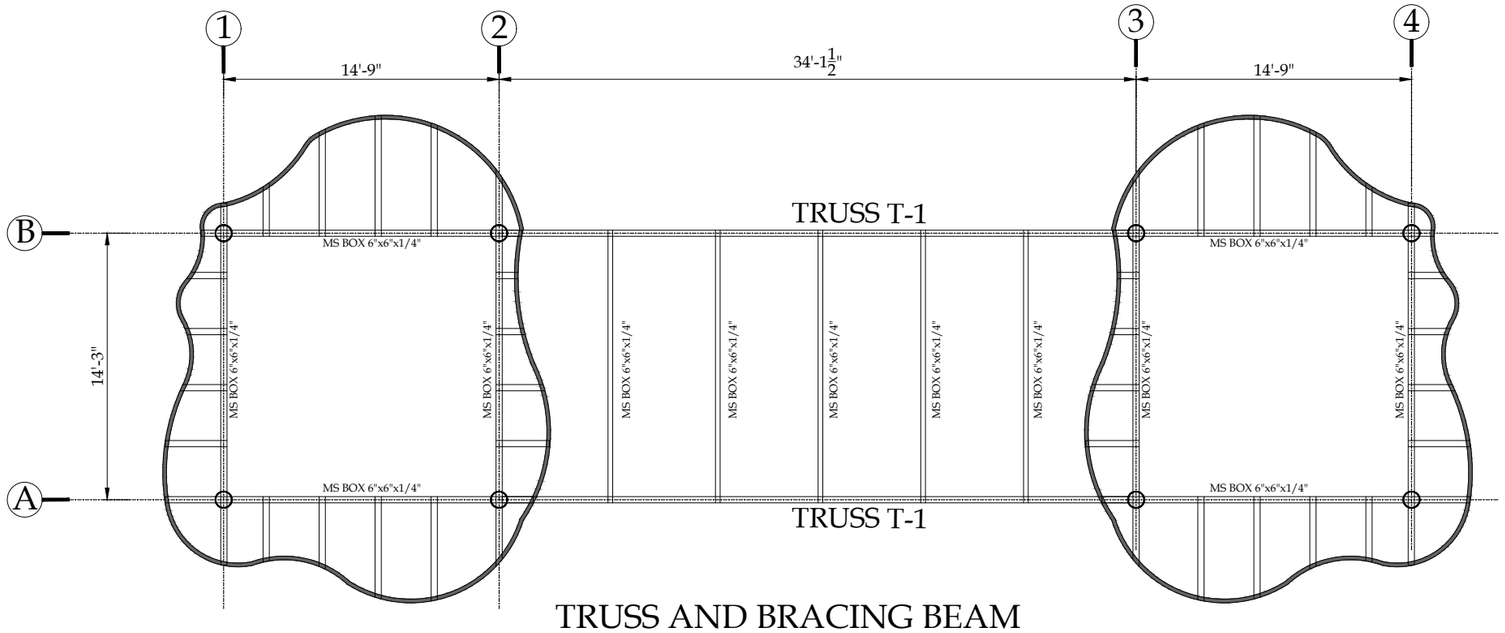
**SCALE:**

**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

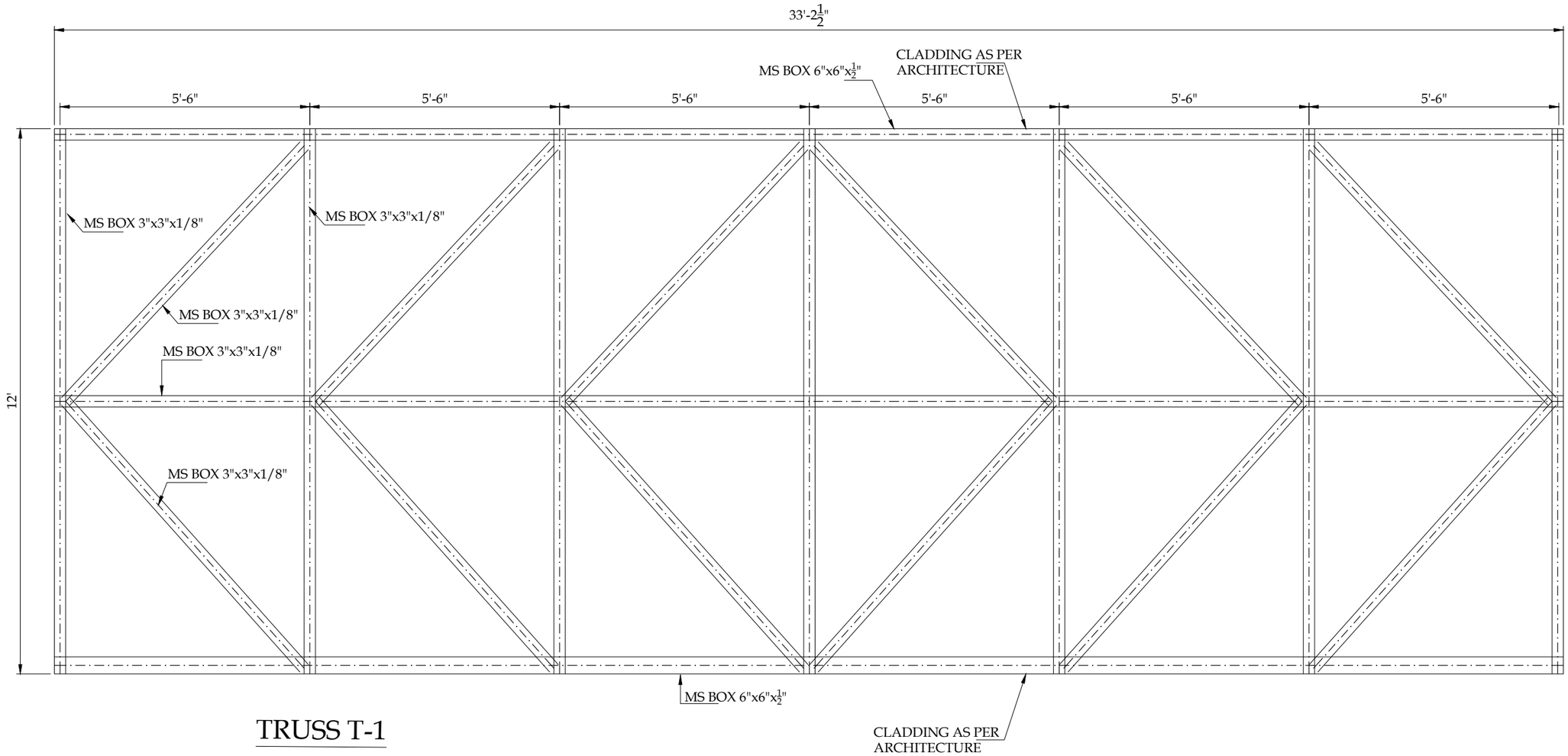



TRUSS AND BRACING BEAM
LAYOUT PLAN AT 33'-0"




TRUSS AND BRACING BEAM
LAYOUT PLAN AT 45'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | **DRAWING TITLE:** **MAIN GRAND GATE ENTRANCE** TRUSS AND BRACING BEAM LAYOUT PLAN AT 33'-0" & TRUSS AND BRACING BEAM LAYOUT PLAN AT 45'-0" | **DRAWING NO:** STR-0206<br>**SCALE:**<br>**SHEET:** A3 | REV. | DESCRIPTION | SIGN. | DATE |




TRUSS T-1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | **MAIN GRAND GATE ENTRANCE**<br>TRUSS T-1 | STR-0207<br>SCALE:<br>SHEET: A3 | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## INFORMATION CENTER

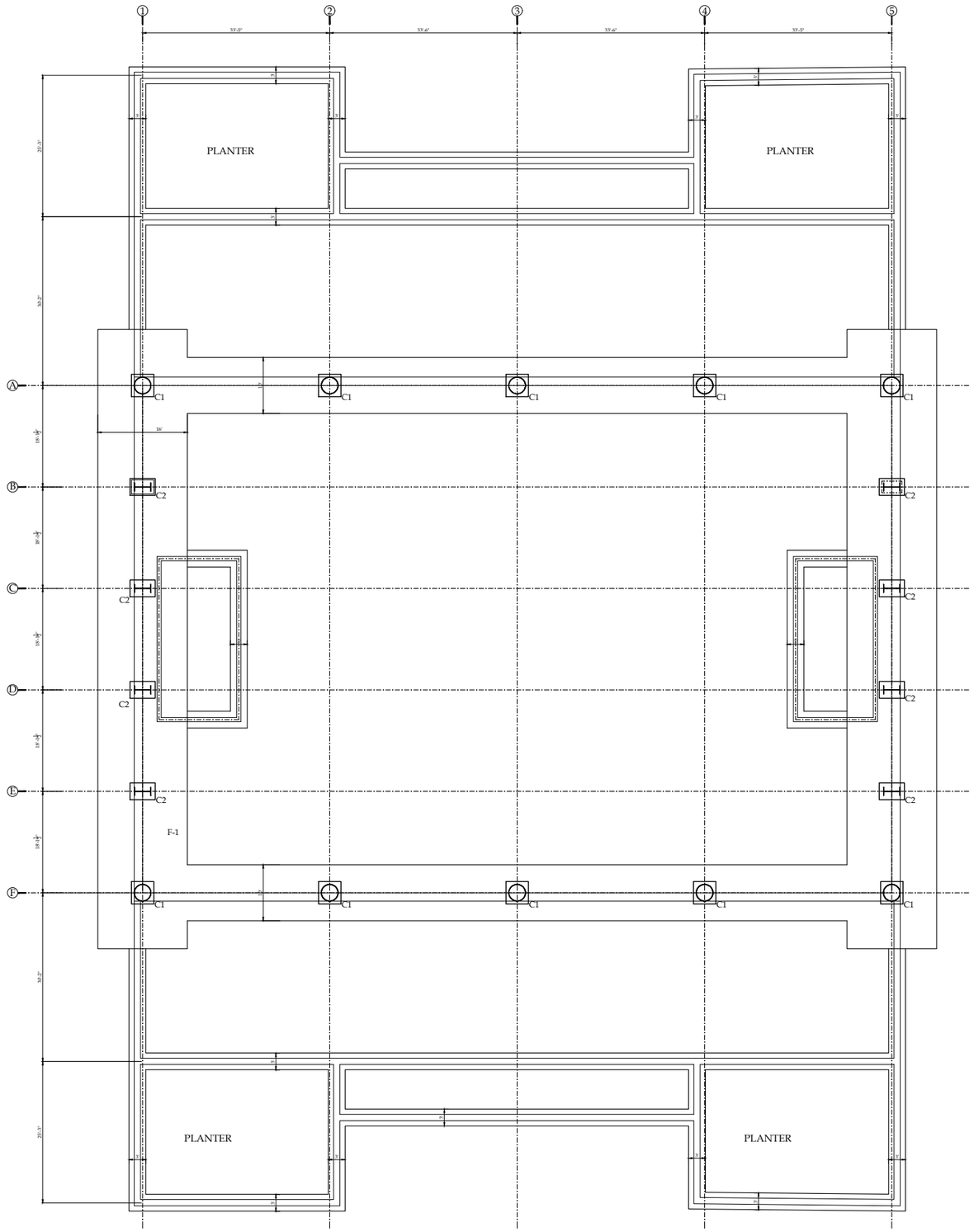
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

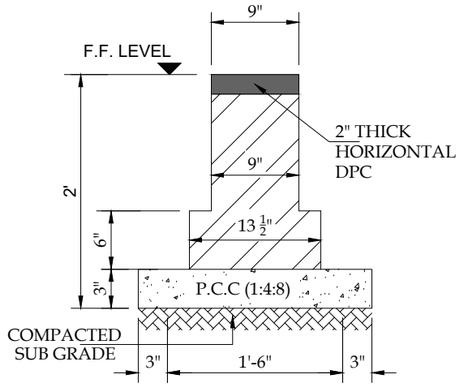
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

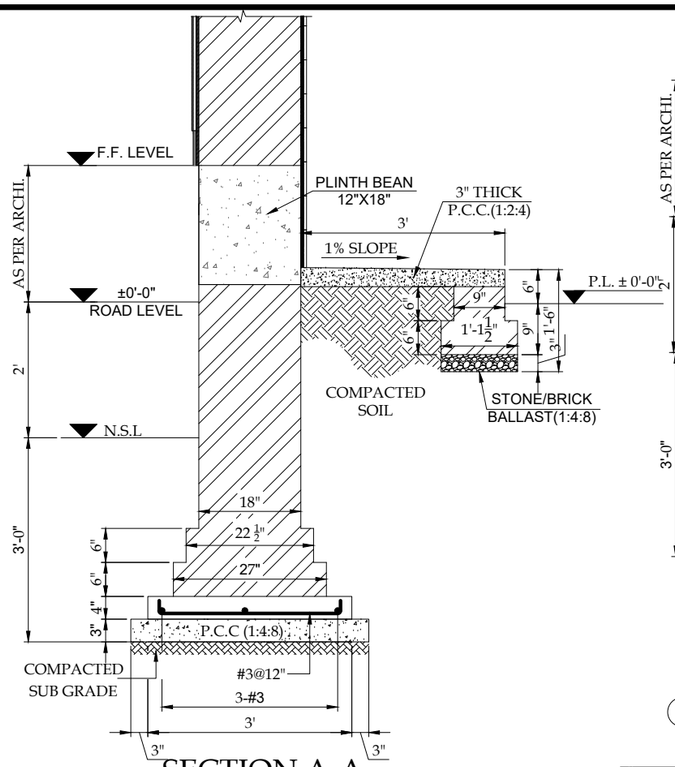



FOUNDATION LAYOUT PLAN

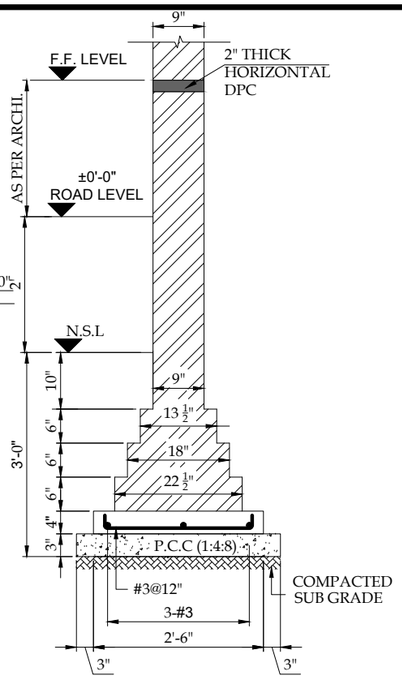
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | INFORMATION CENTER<br>FOUNDATION LAYOUT PLAN | STR-0301 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |



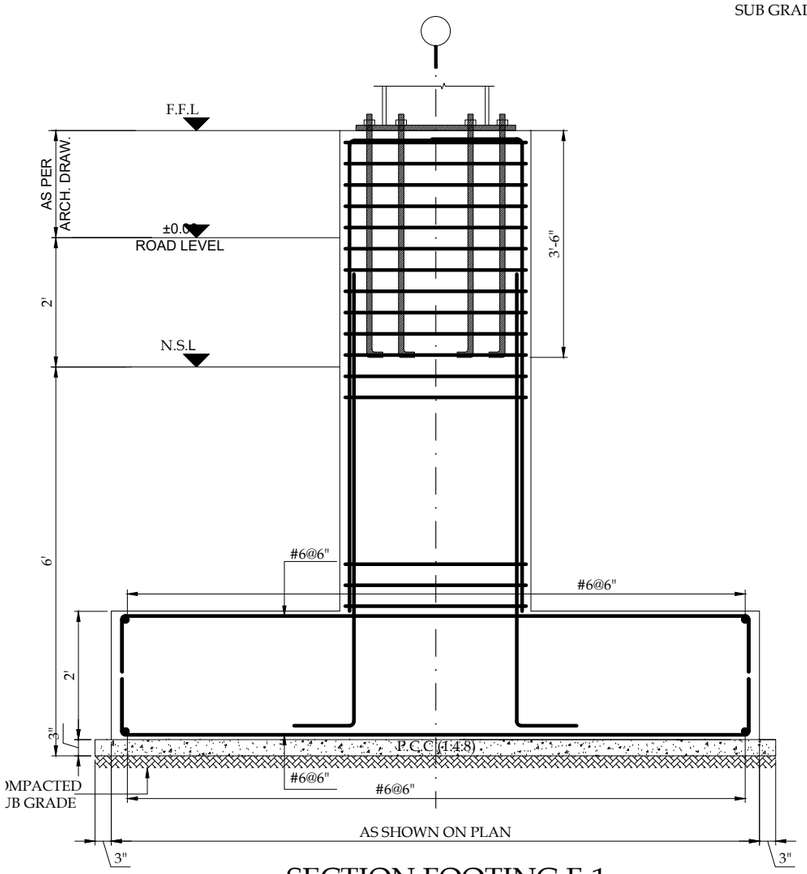

TOE WALL FOOTING
X-SECTION



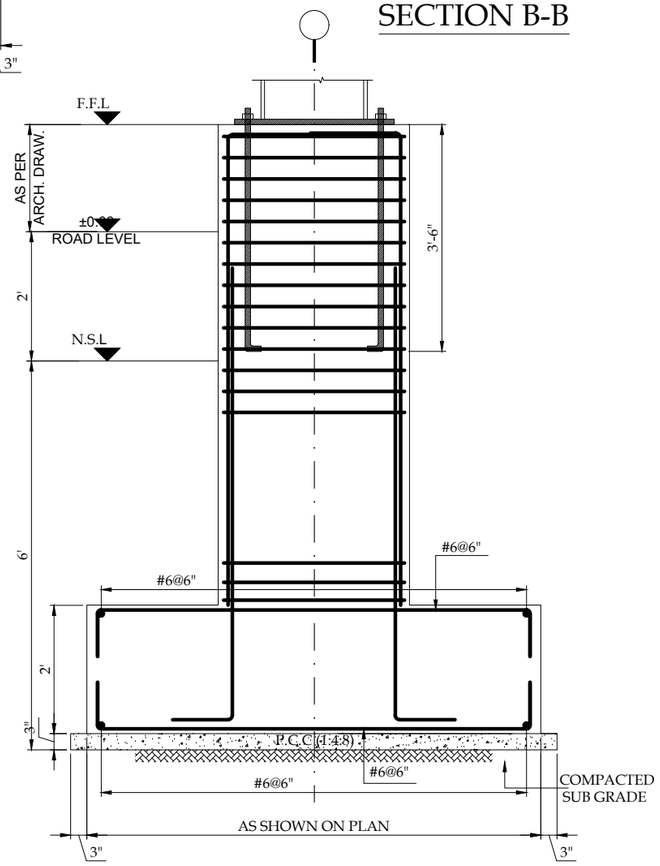

SECTION A-A




SECTION B-B

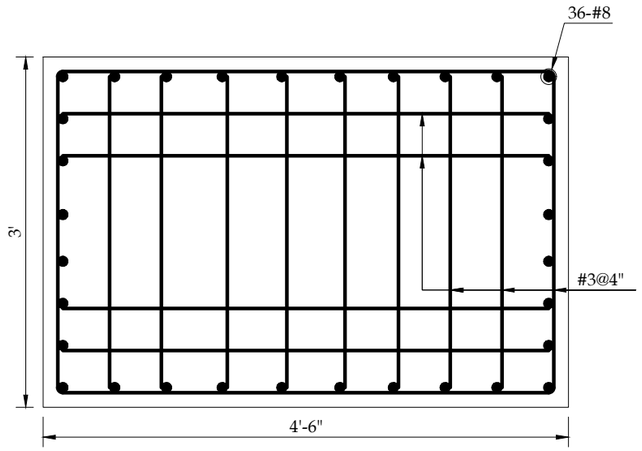



SECTION FOOTING F-1

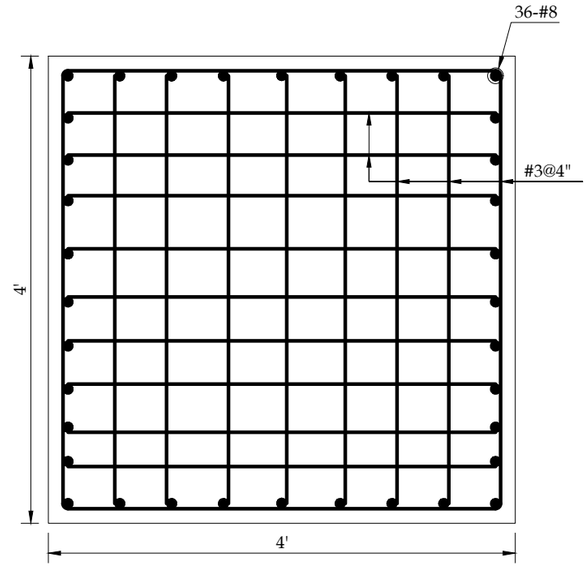



SECTION FOOTING F-2

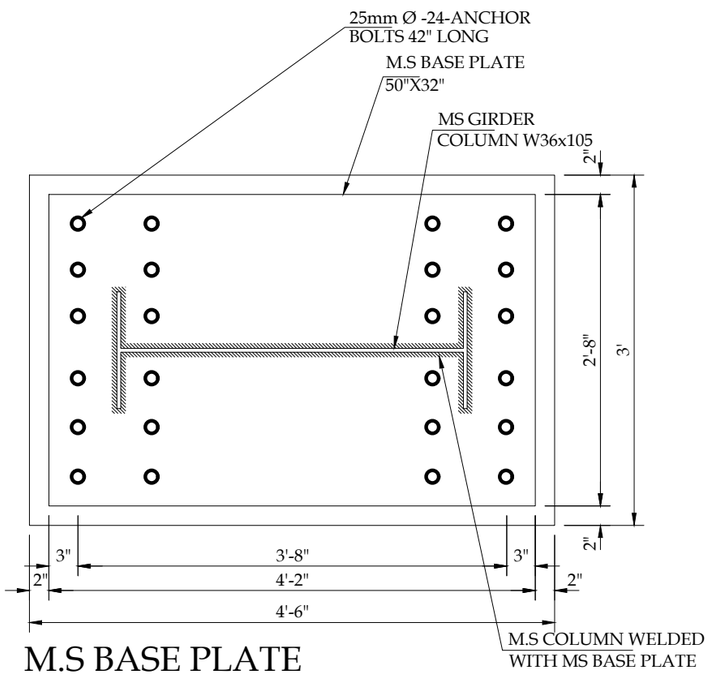
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | DRAWING TITLE: INFORMATION CENTER<br>FOUNDATION SECTION DETAILS | DRAWING NO: STR-0302<br>SCALE:<br>SHEET: A3 | REV. / DESCRIPTION / SIGN. / DATE | |



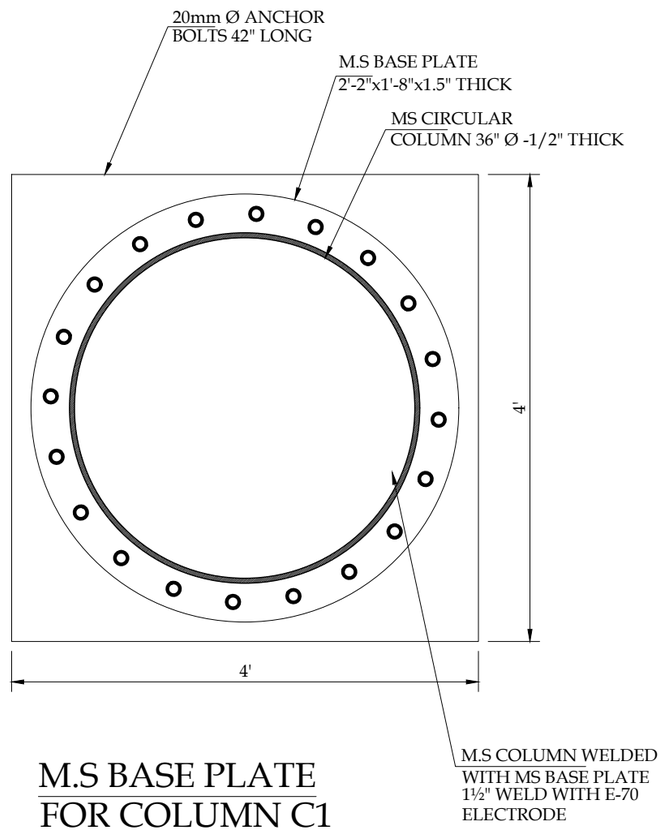

COLUMN C2




COLUMN C1

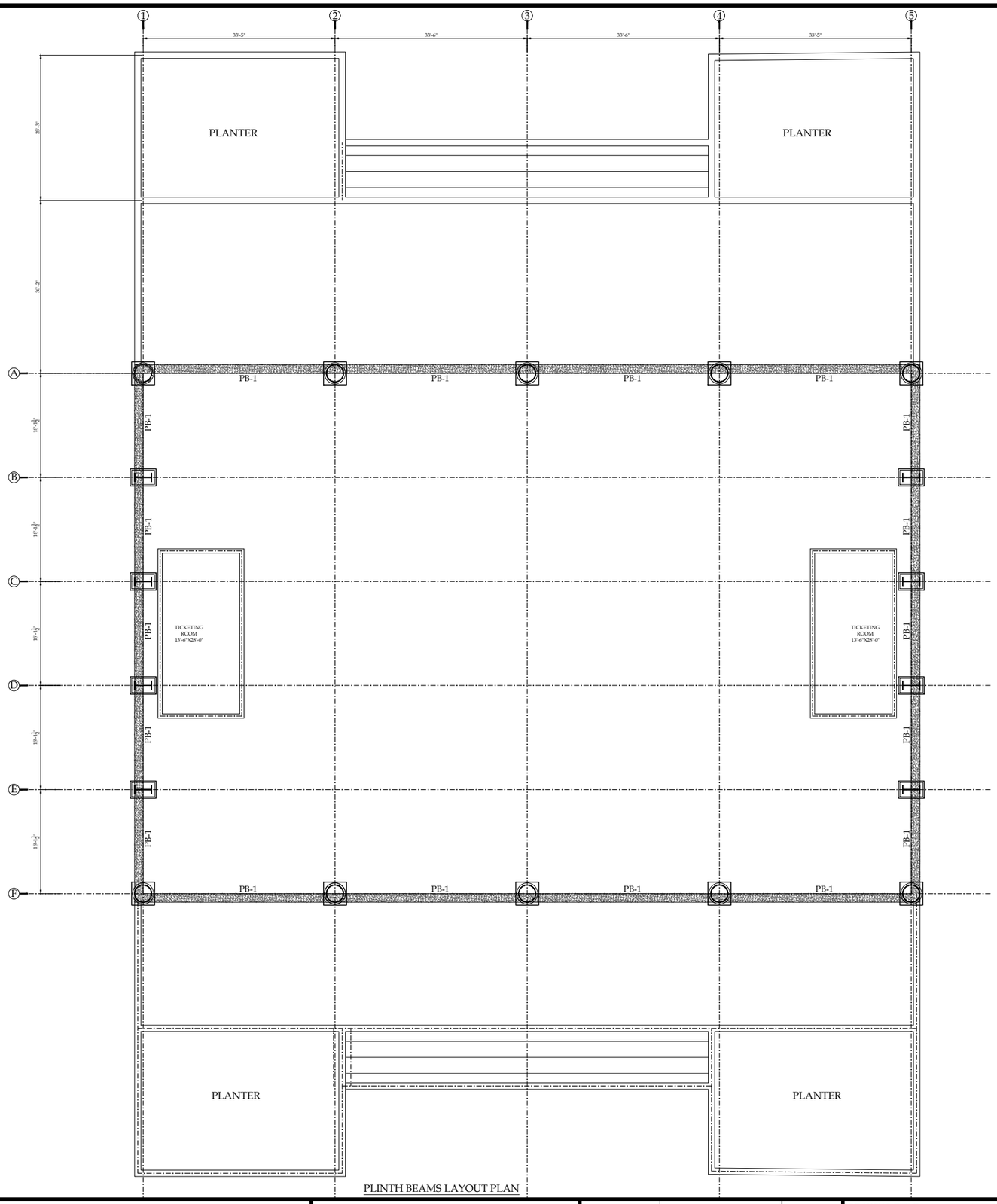



M.S BASE PLATE
FOR COLUMN C2

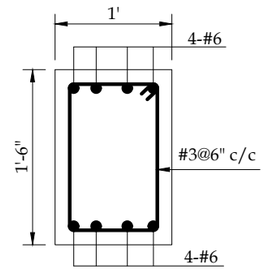



M.S BASE PLATE
FOR COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | INFORMATION CENTER<br>COLUMN SECTION DETAILS | STR-0303 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: / SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |




PLINTH BEAMS LAYOUT PLAN




PLINTH BEAM
PB-1

| | | | |
|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 283-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN |
| | | | DESIGNED BY: M. ASAD ULLAH |
| | | | CHECKED BY: NAVEED NAZ |
| | | | APPROVED BY: SABIR HUSSAIN |
| | | | DATE: MARCH, 2025 |

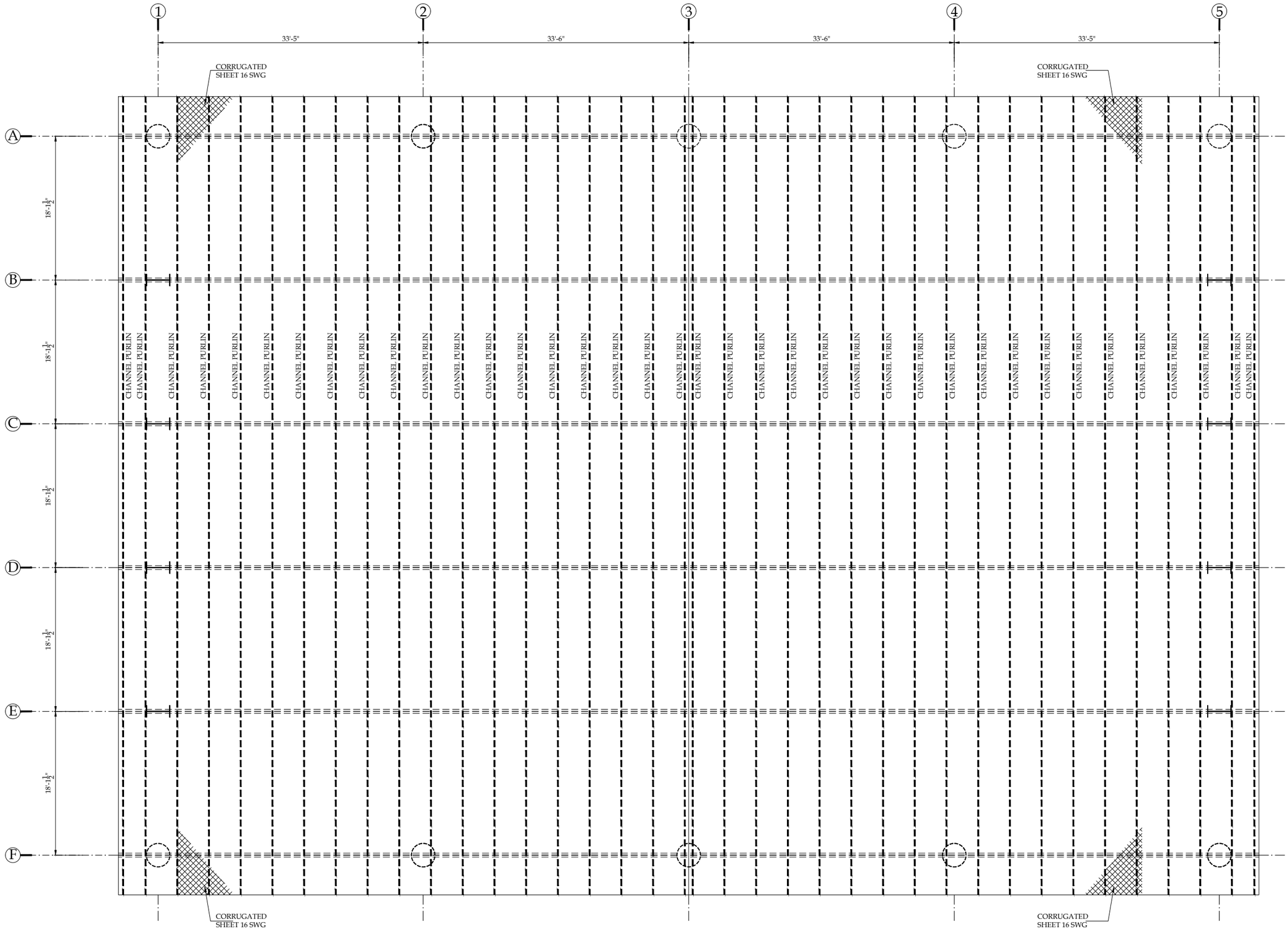
**DRAWING TITLE:** INFORMATION CENTER
PLINTH BEAM LAYOUT PLAN & SECTION DETAIL

**DRAWING NO:** STR-0304

**SCALE:**

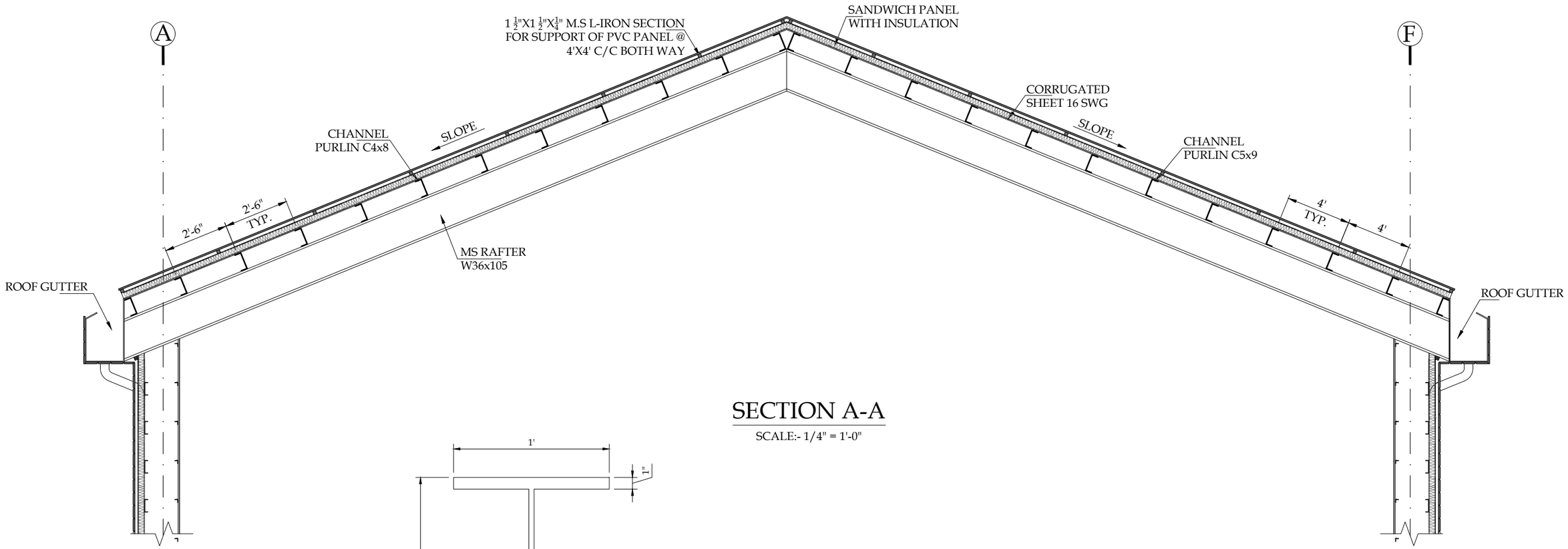
**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |



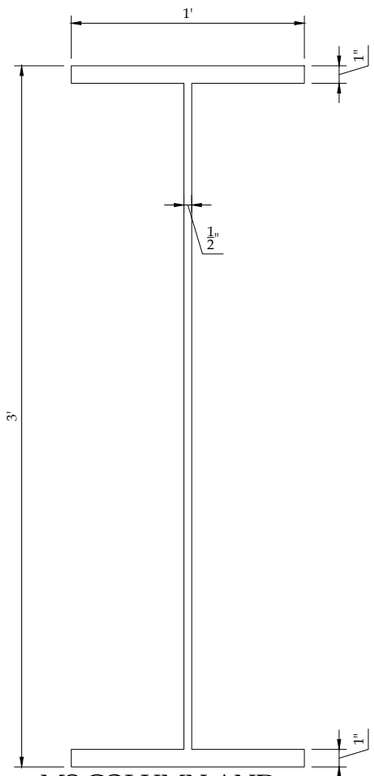

STEEL ROOF PLAN

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** INFORMATION CENTER | **DRAWING NO:** STR-0305 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | STEEL ROOF PLAN | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | **SHEET:** A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | |

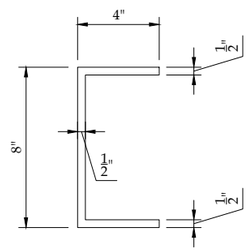



## SECTION A-A

SCALE:- 1/4" = 1'-0"




MS COLUMN AND
BEAMS/RAFTER
SECTION W36x105




MS CHANNEL
PURLIN
SECTION C5x9

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | | INFORMATION CENTER<br>TRUSS ELEVATION | STR-0306<br>SCALE:<br>SHEET: A3 | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## RESEARCH CENTER

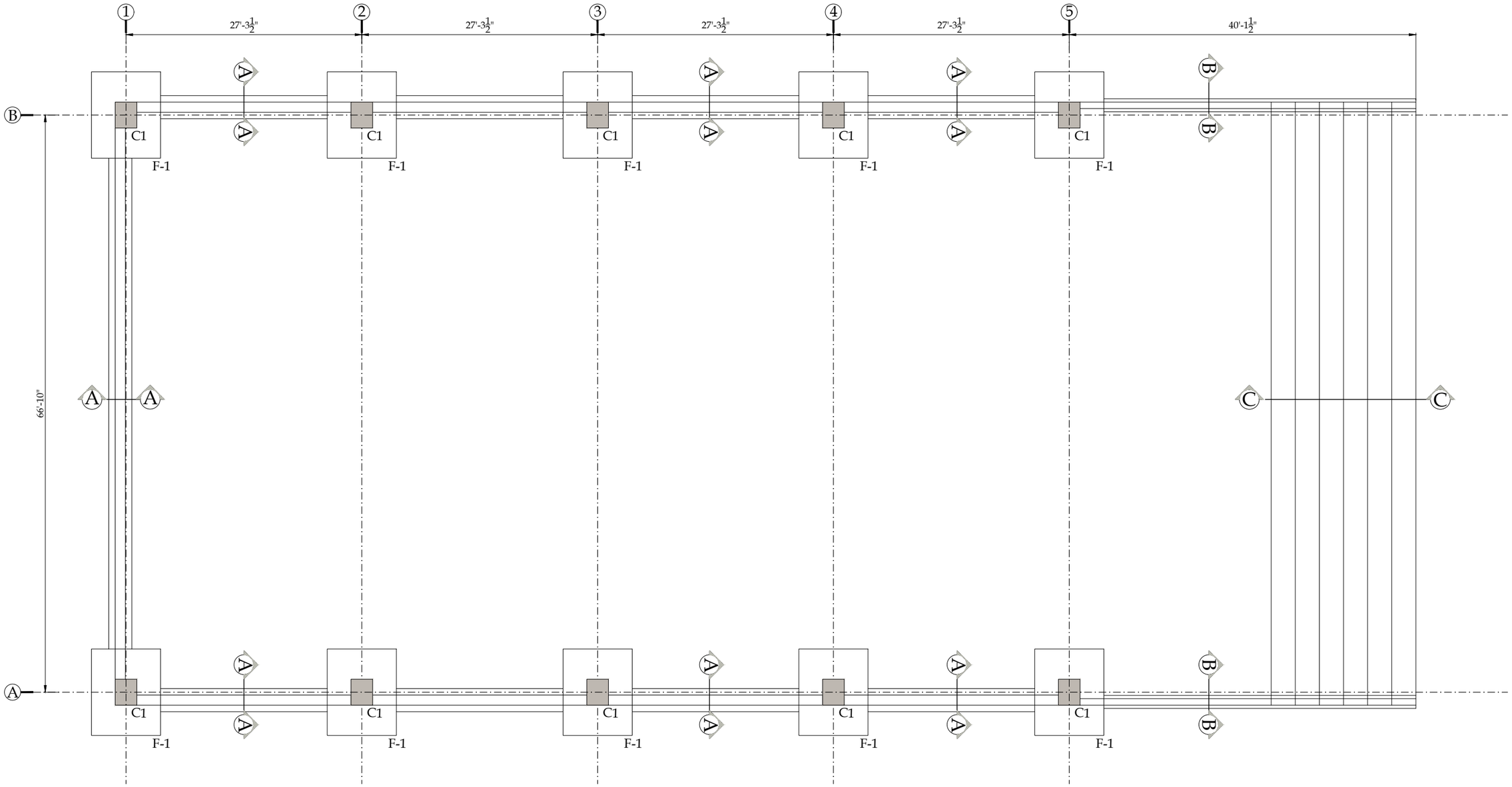
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

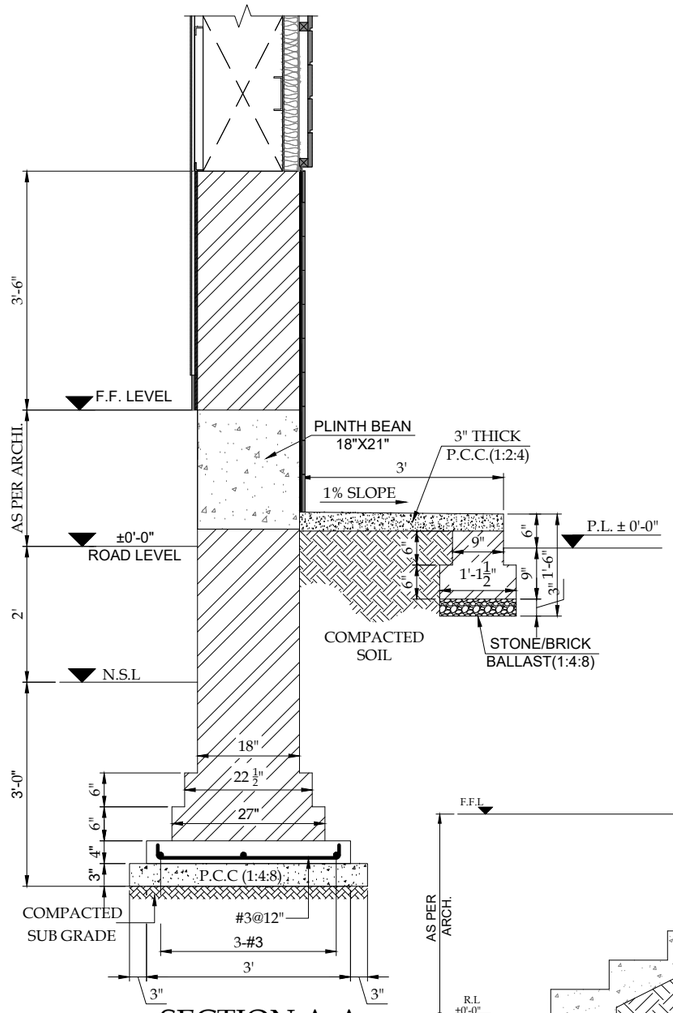
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

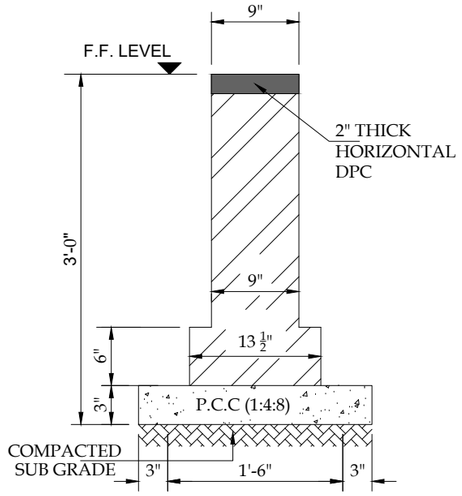



# FOUNDATION LAYOUT PLAN

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** RESEARCH CENTER | **DRAWING NO:** STR-0401 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | FOUNDATION LAYOUT PLAN | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | **SHEET:** A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | |

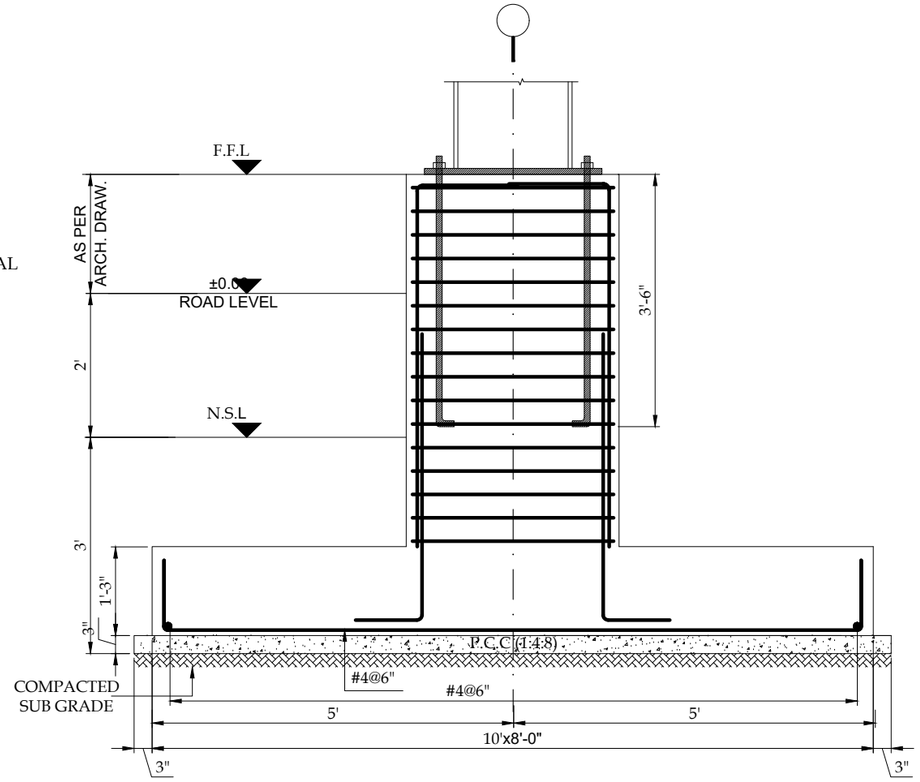



SECTION A-A

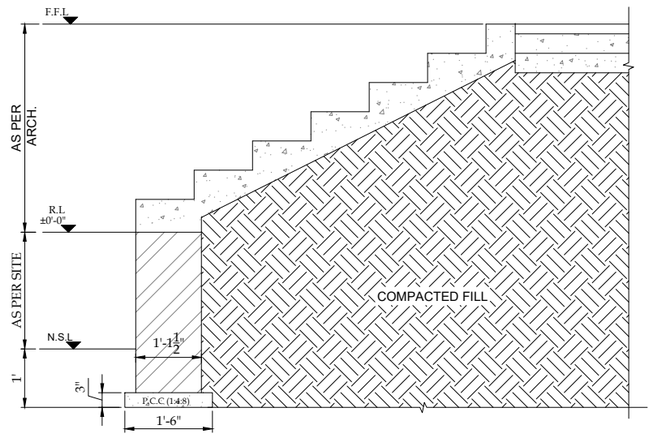



SECTION B-B

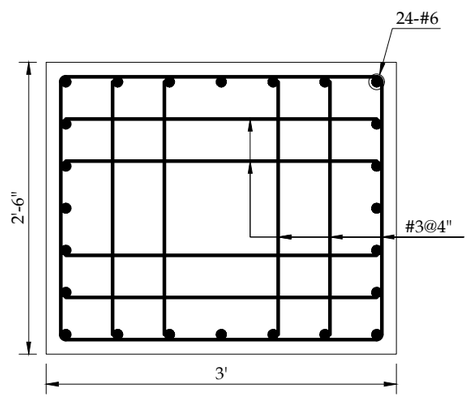
SCALE:- 3/4" = 1'-0"



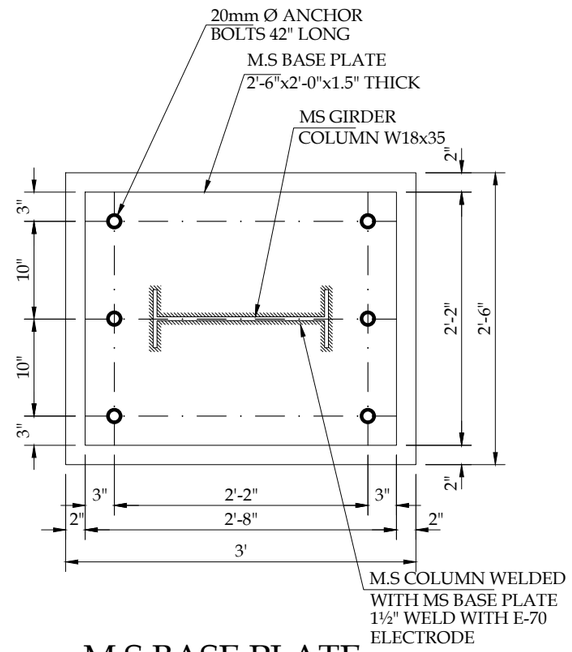

SECTION FOOTING F-1




SECTION C-C

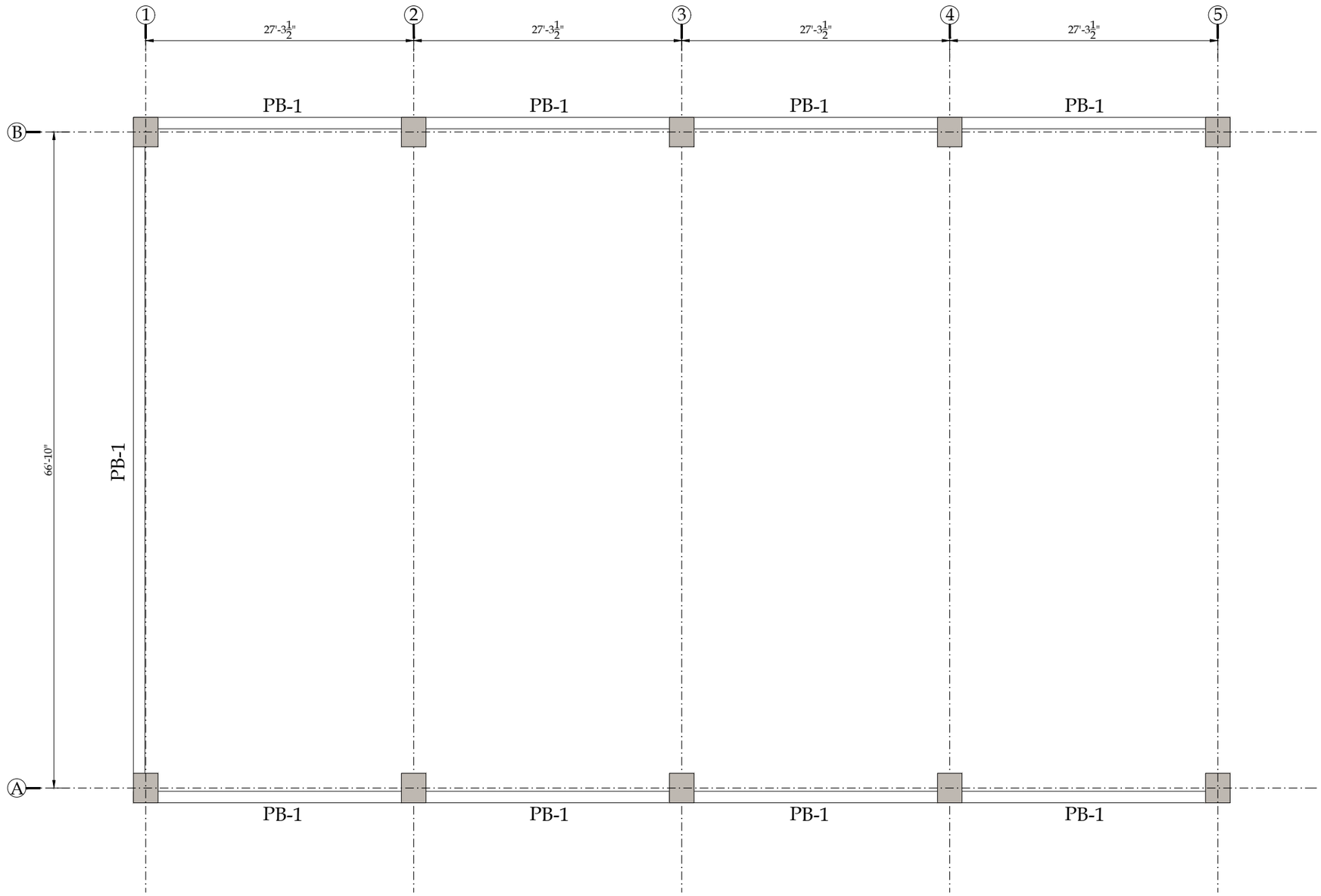



COLUMN C1

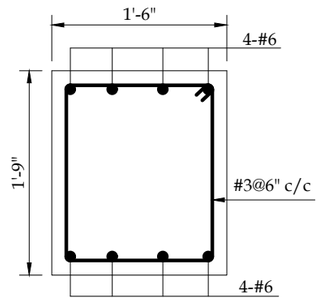



M.S BASE PLATE
FOR COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | RESEARCH CENTER<br>FOUNDATION SECTION DETAILS | STR-0402 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

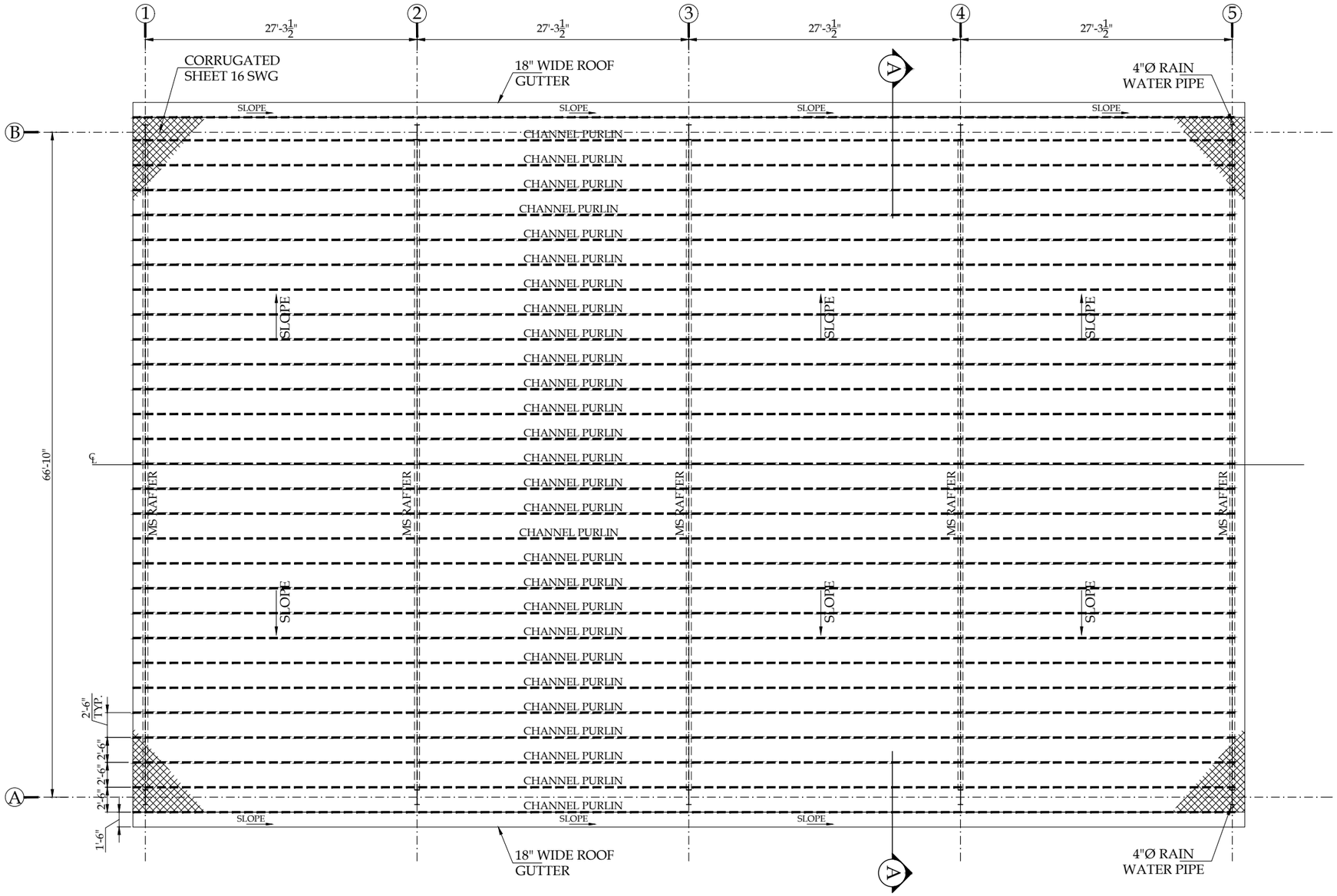



PLINTH BEAM LAYOUT PLAN



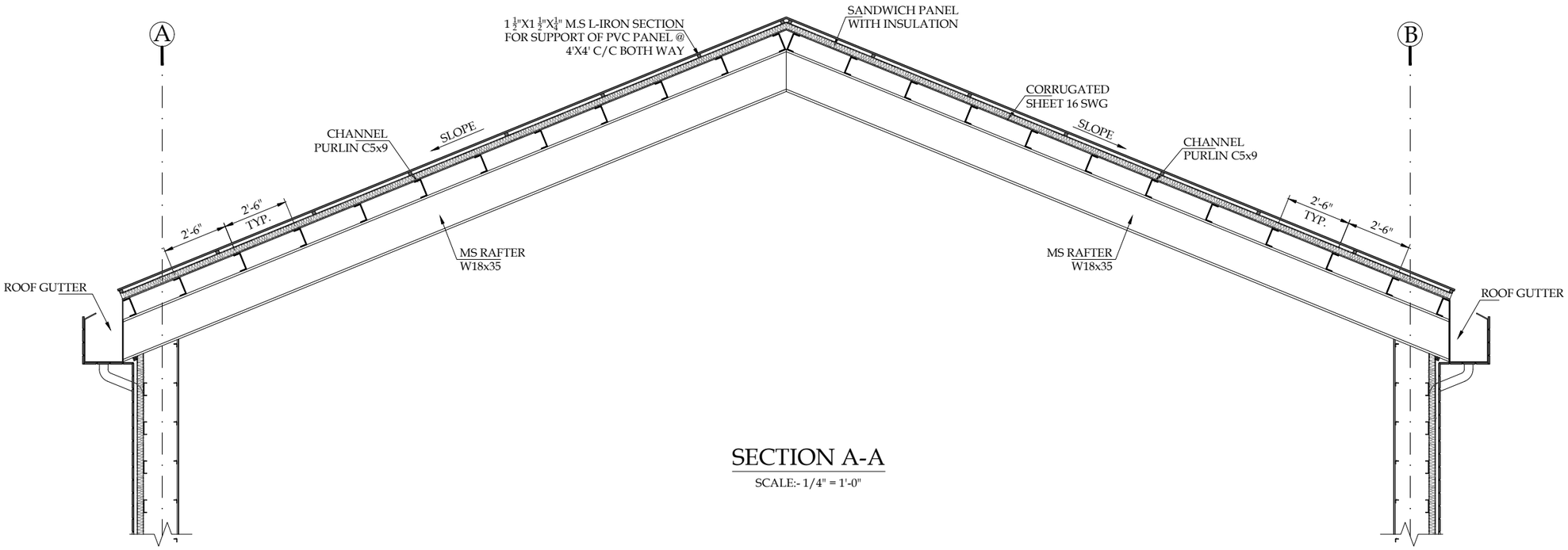

PLINTH BEAM
PB-1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | RESEARCH CENTER<br>PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-0403 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |



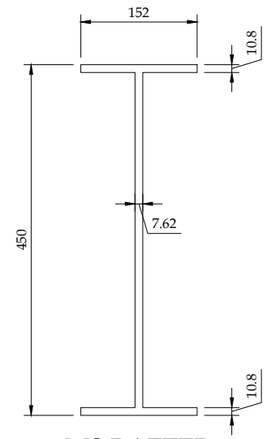

# MS ROOF FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | RESEARCH CENTER<br>MS ROOF FRAMING PLAN | STR-0404 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

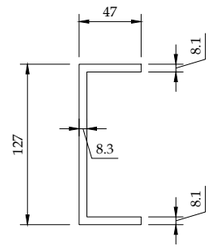



SECTION A-A

SCALE:- 1/4" = 1'-0"




MS RAFTER
SECTION W18x35




MS CHANNEL
PURLIN
SECTION C5x9

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | RESEARCH CENTER<br>TRUSS ELEVATION | STR-0405 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## RESIDENTIAL FACILITY

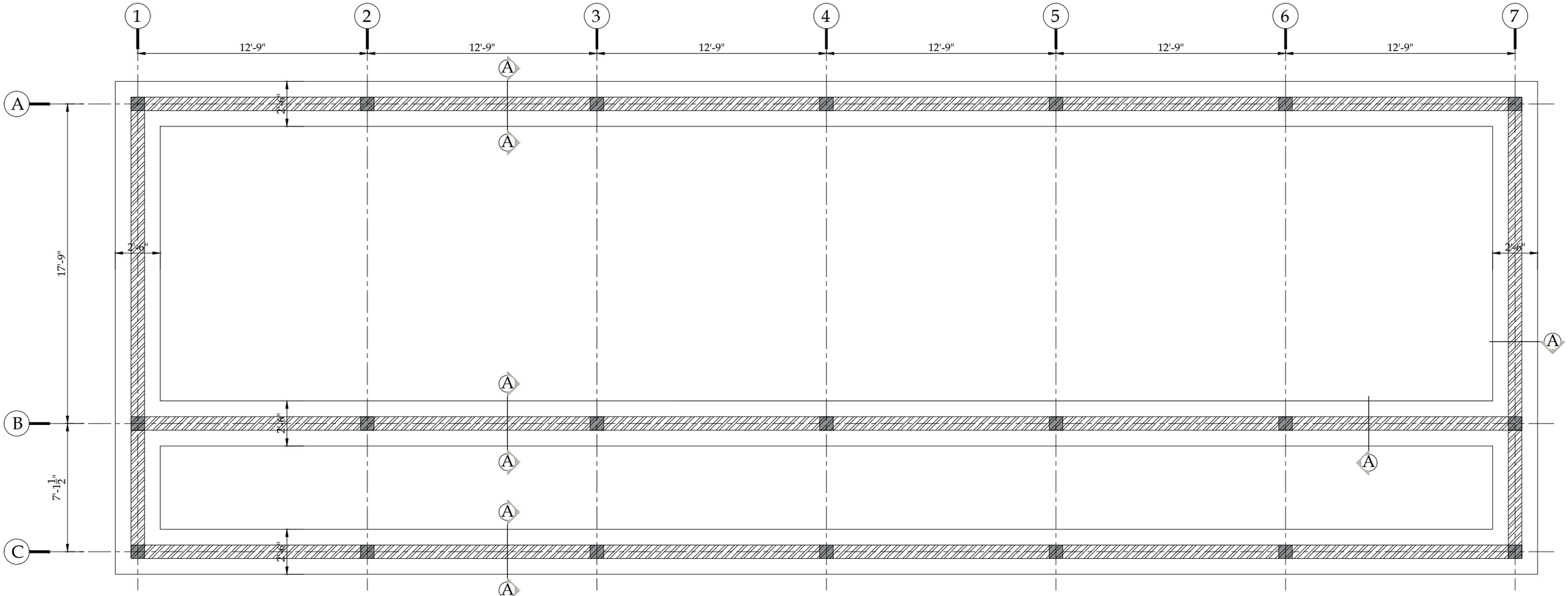
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

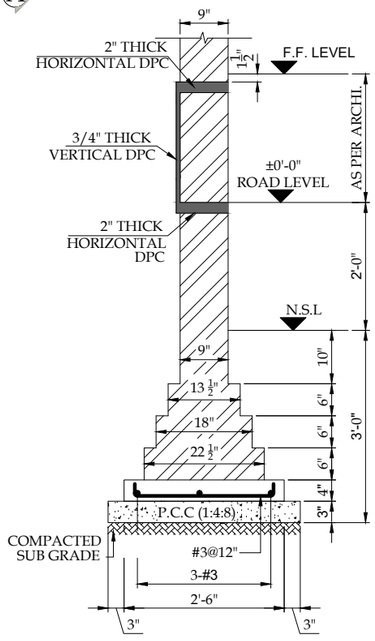
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

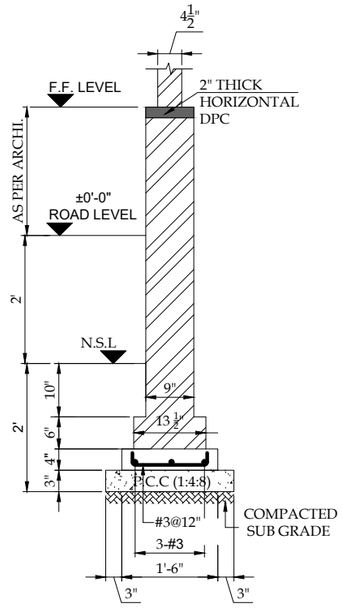
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



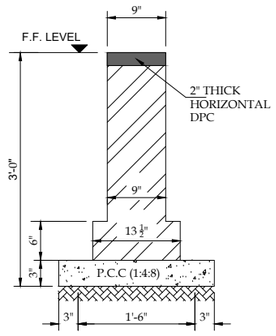

FOUNDATION LAYOUT PLAN



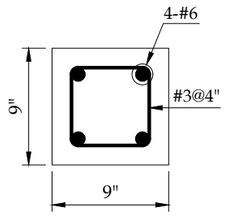

SECTION A-A




SECTION B-B

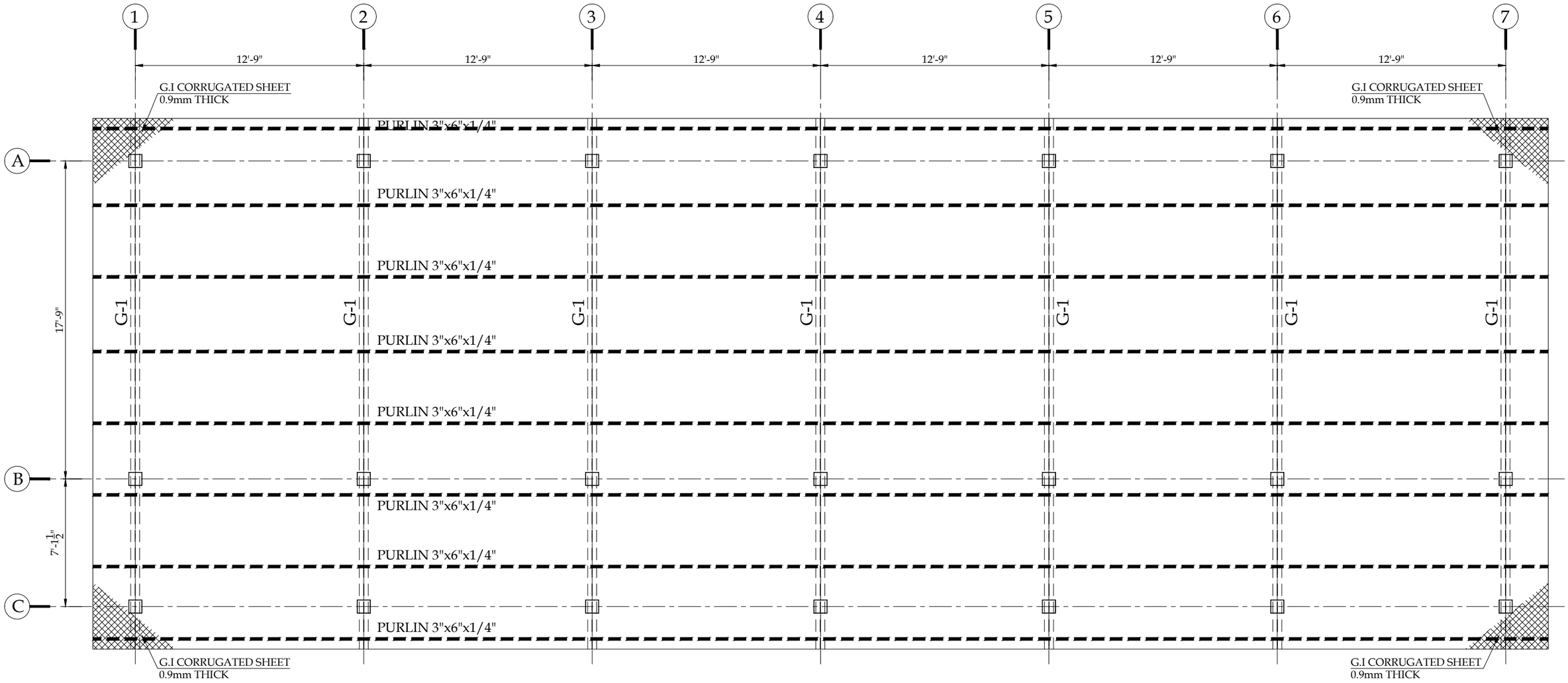



SECTION D-D



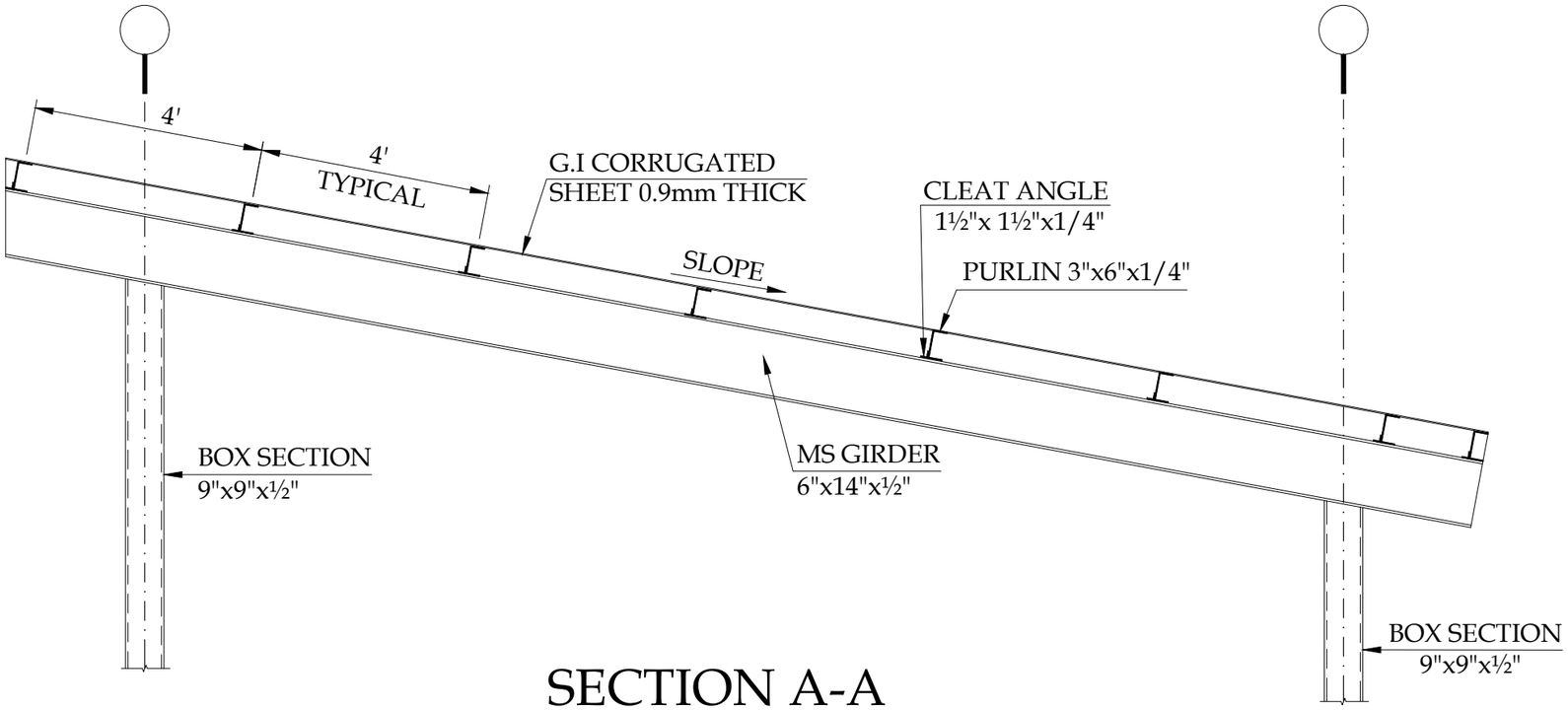

COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | RESIDENTIAL FACILITY<br>FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-0501 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: / SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |



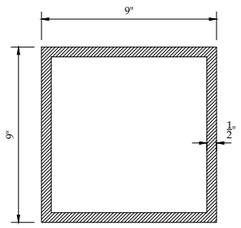

# MS ROOF FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | RESIDENTIAL FACILITY<br>MS ROOF FRAMING PLAN | STR-0502<br>SCALE:<br>SHEET: A3 | | | | |

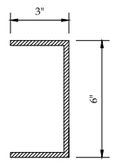



# SECTION A-A

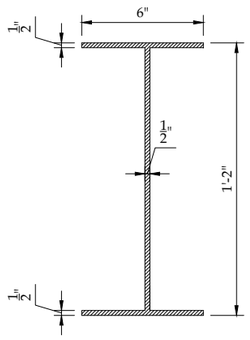
SCALE:- 1/4" = 1'-0"




BOX SECTION
9"x9"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"




GIRDER G-1
SCALE:- 1" = 6"

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | DRAWING TITLE: RESIDENTIAL FACILITY | DRAWING NO: STR-0503 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | TRUSS ELEVATION | | | | |
| | | | CHECKED BY: NAVEED NAZ | | SCALE: | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | SHEET: A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## REST ROOMS (3+3)

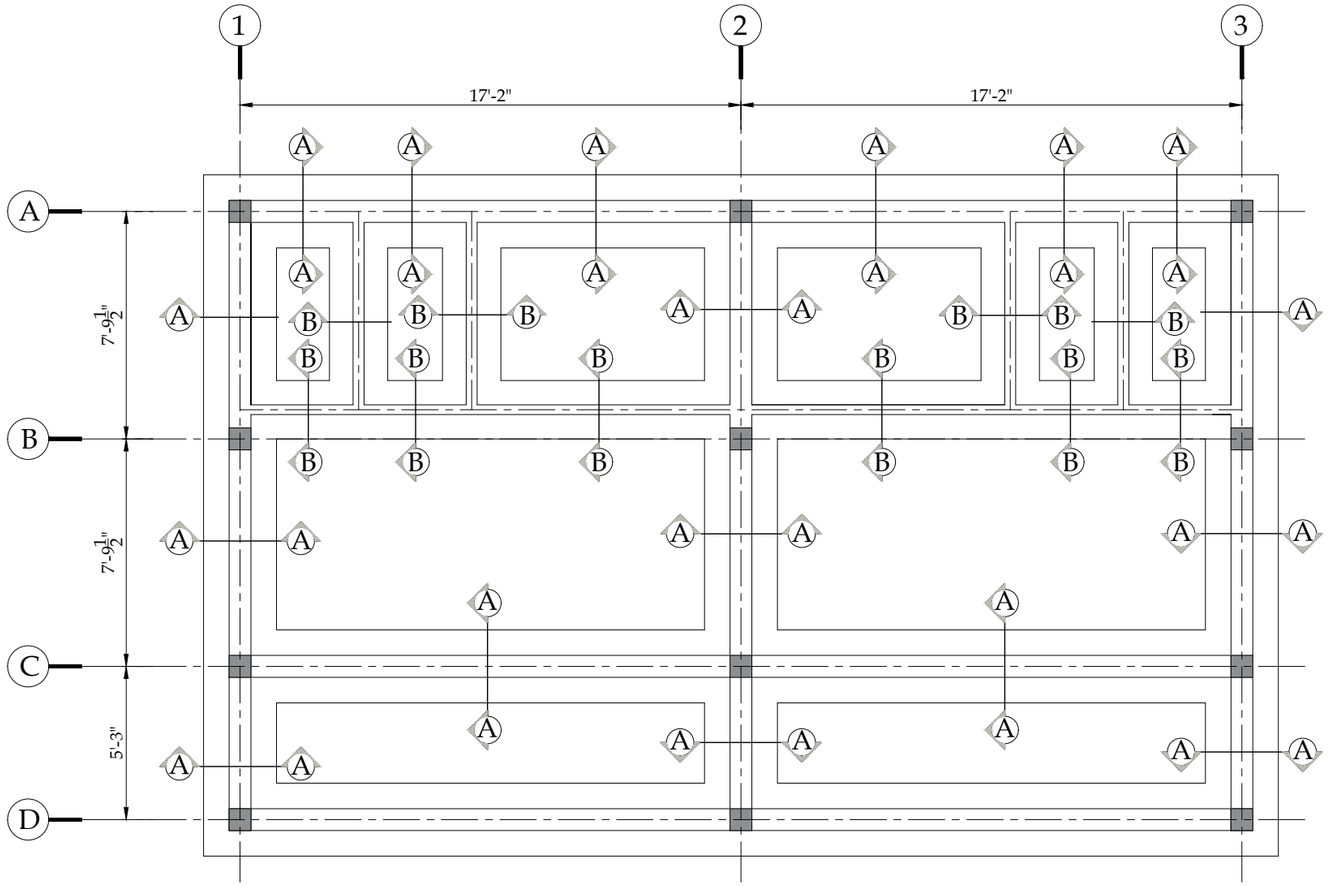
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

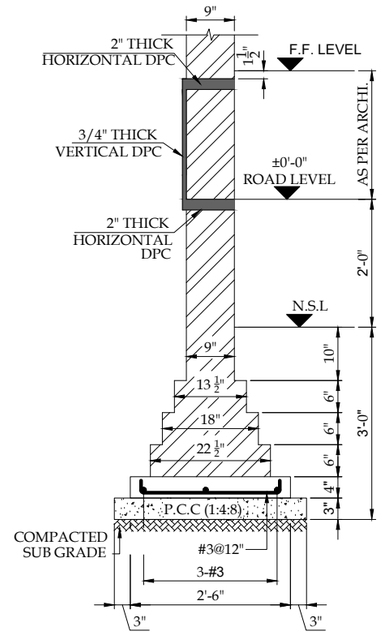
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

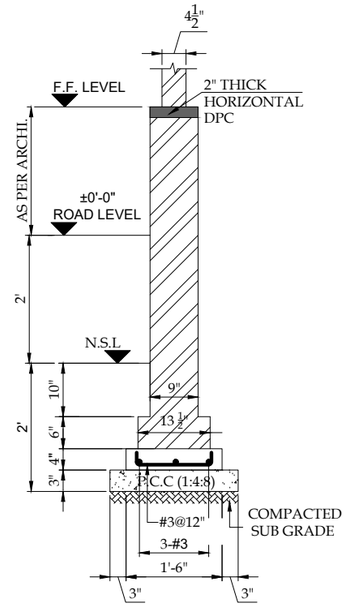
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



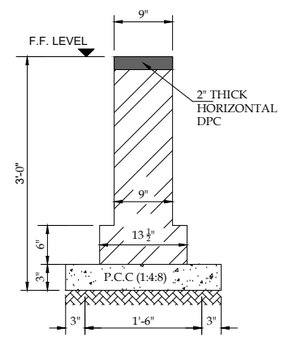

FOUNDATION LAYOUT PLAN



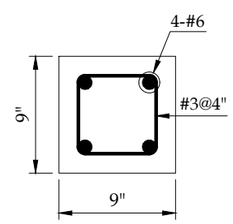

SECTION A-A




SECTION B-B

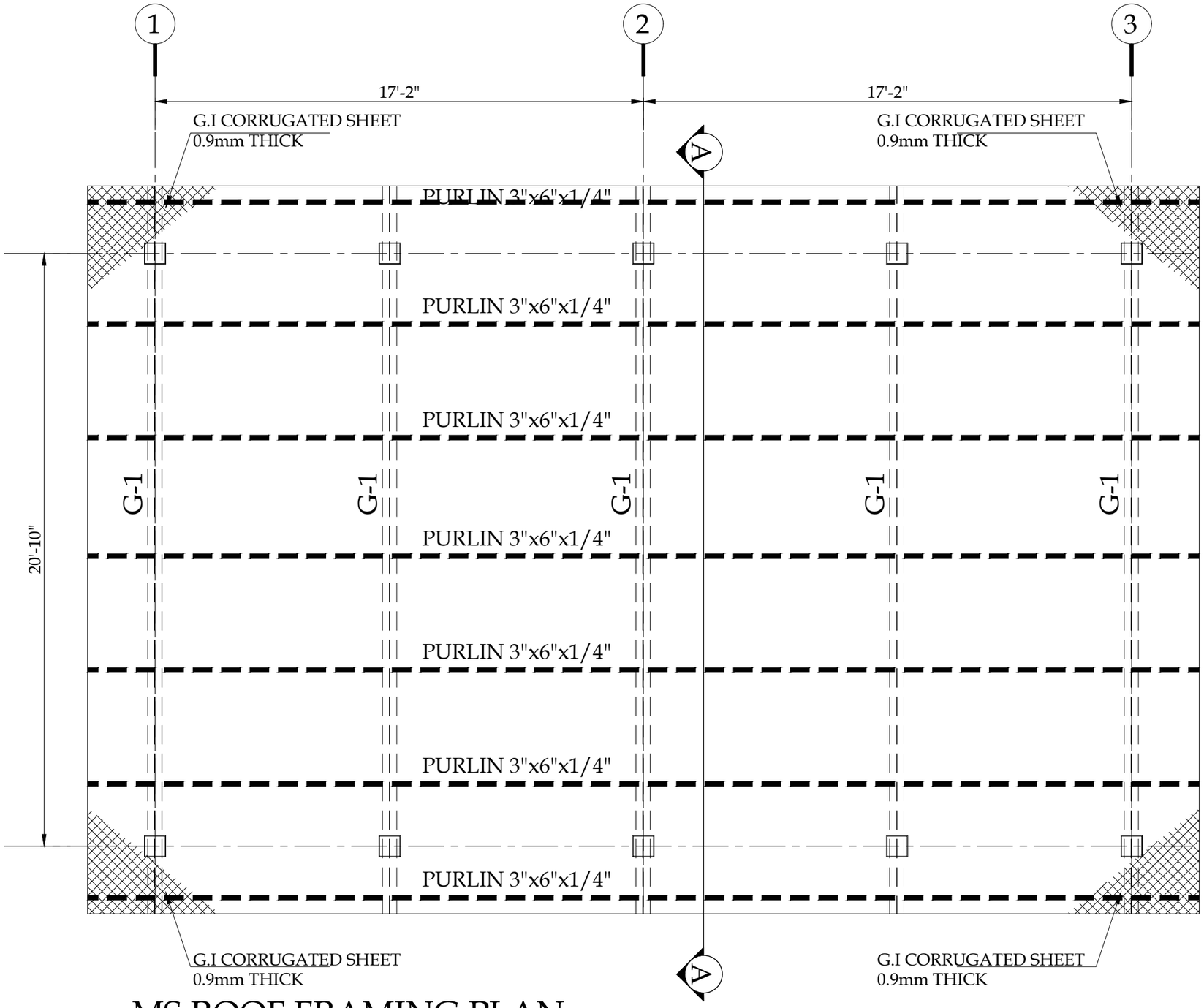



SECTION D-D



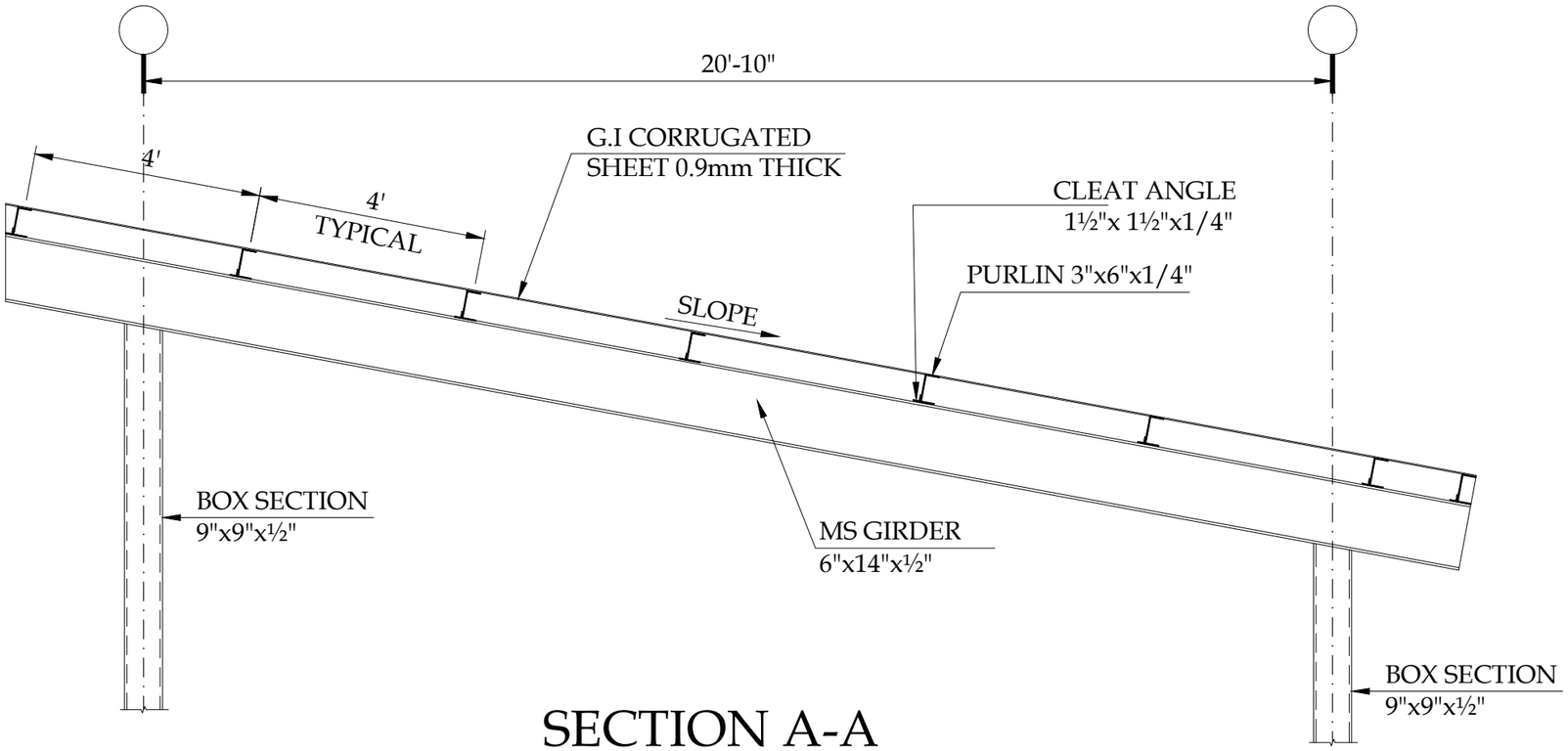

COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | REST ROOM (3+3)<br>FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-1001<br>SCALE:<br>SHEET: A3 | | | | |



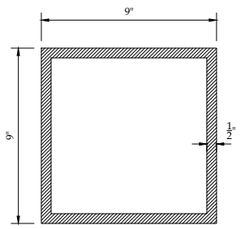

# MS ROOF FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | REST ROOM (3+3)<br>MS ROOF FRAMING PLAN | STR-1002 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

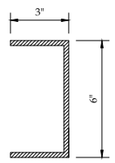



# SECTION A-A

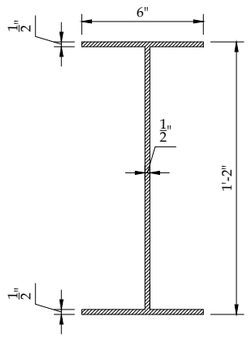
SCALE:- 1/4" = 1'-0"




BOX SECTION
9"x9"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"




GIRDER G-1
SCALE:- 1" = 6"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | DRAWING TITLE: REST ROOM (3+3) TRUSS ELEVATION | DRAWING NO: STR-1003 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | SCALE: | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | SHEET: A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## RESTAURANT

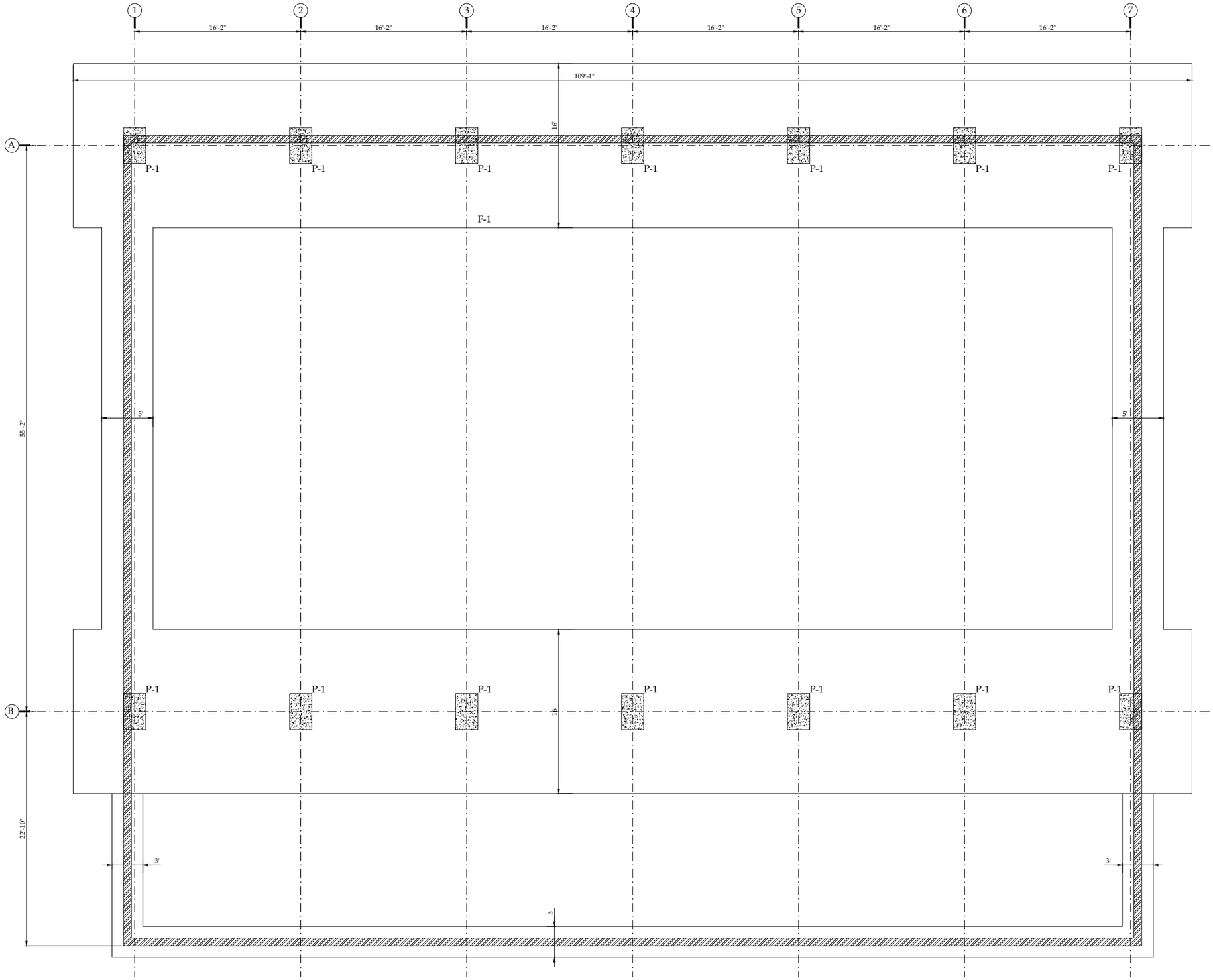
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

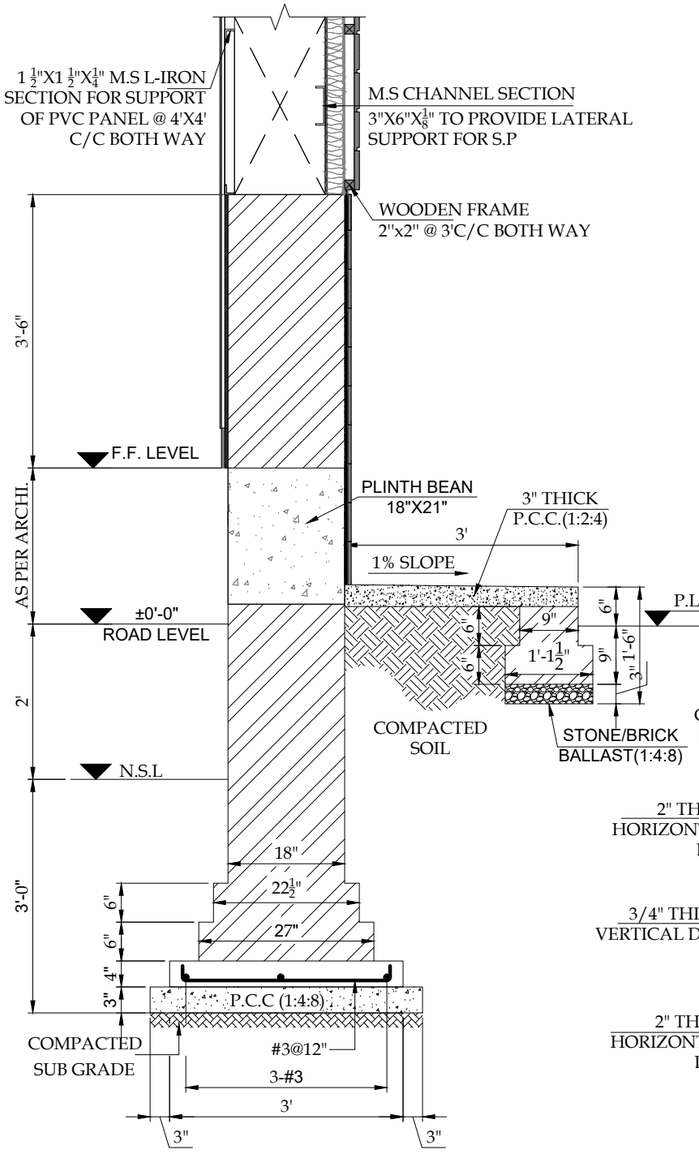
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

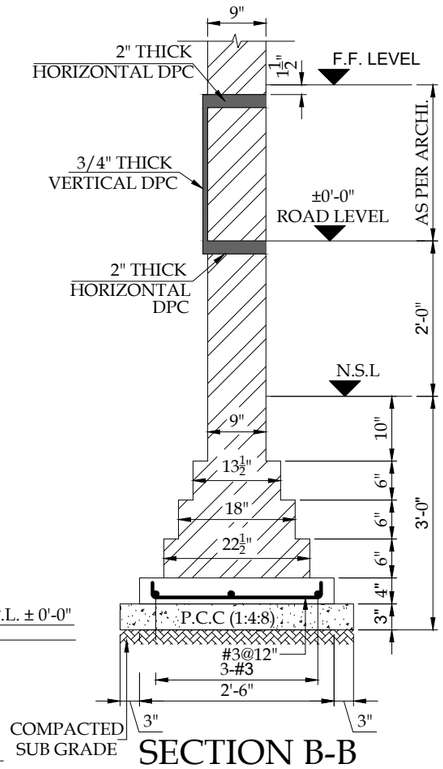



# FOUNDATION LAYOUT PLAN

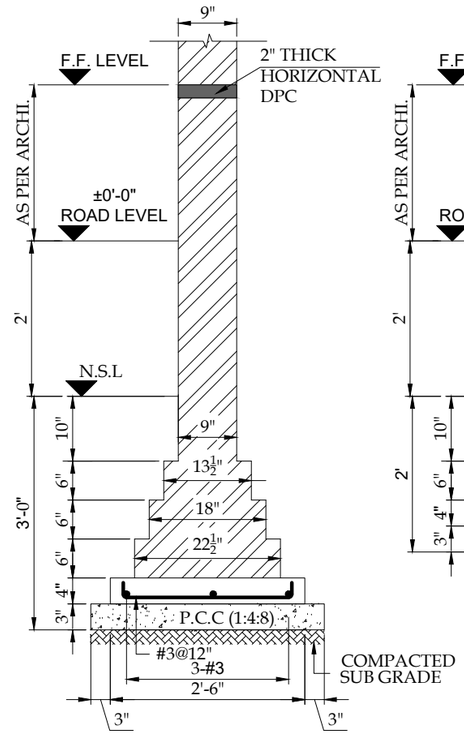
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** RESTAURANT | **DRAWING NO:** STR-1201 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | FOUNDATION LAYOUT PLAN | | | | |
| | | | CHECKED BY: NAVEED NAZ | | | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | **SCALE:** | **SHEET:** A3 | | |
| | | | DATE: MARCH, 2025 | | | | | |



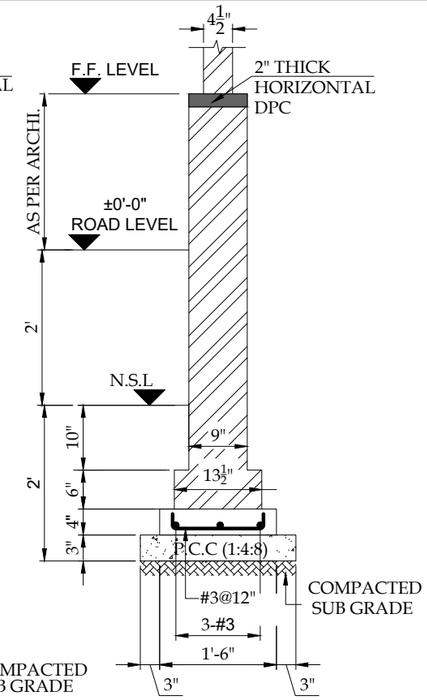

SECTION A-A



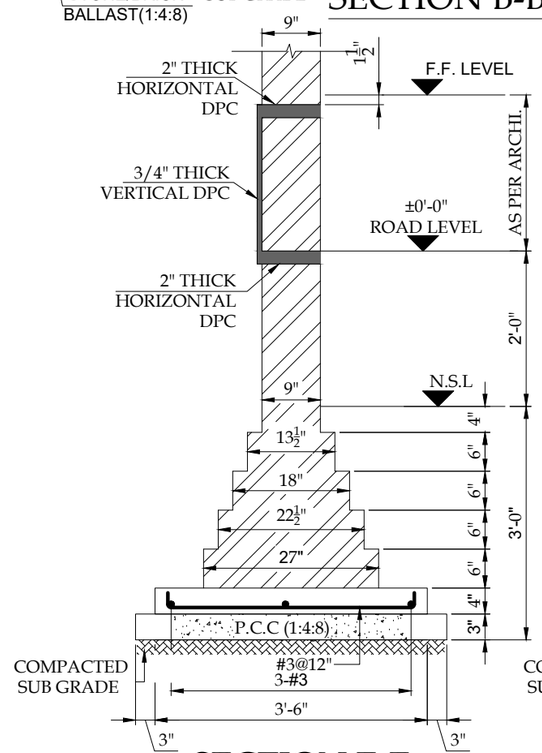

SECTION B-B



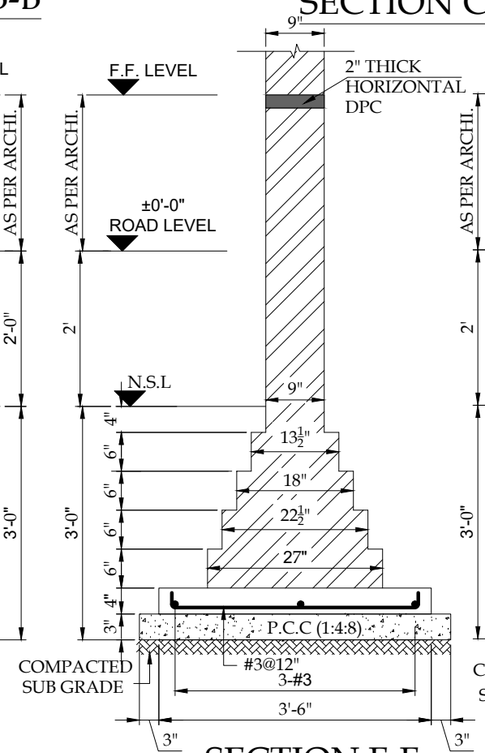

SECTION C-C



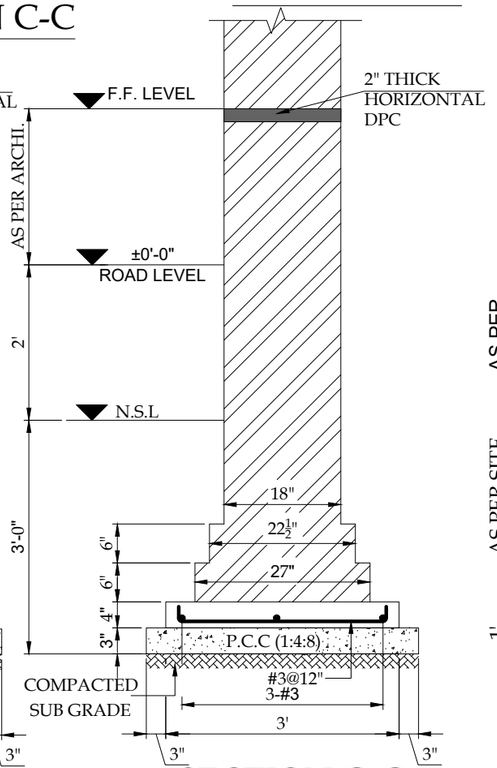

SECTION D-D



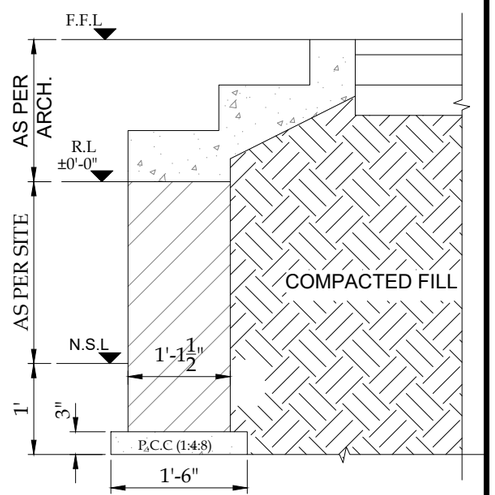

SECTION E-E



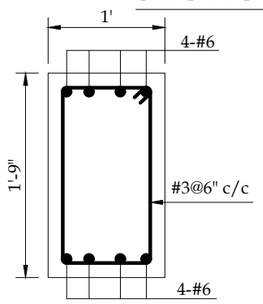

SECTION F-F




SECTION G-G

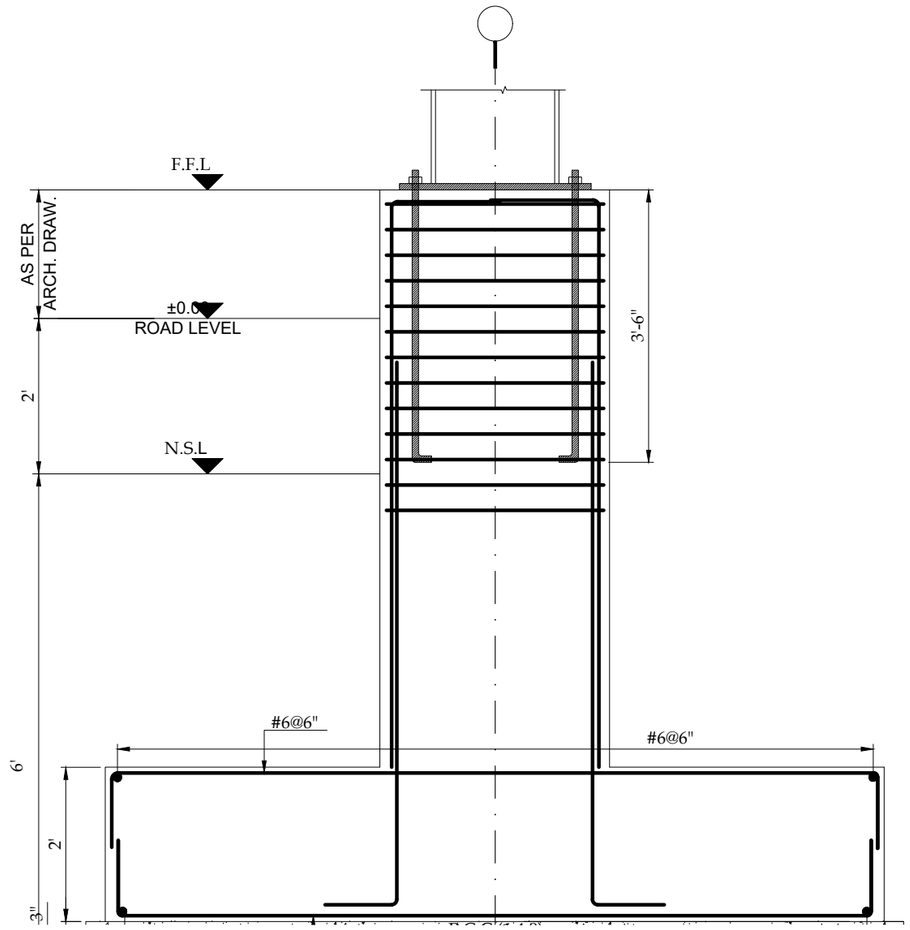


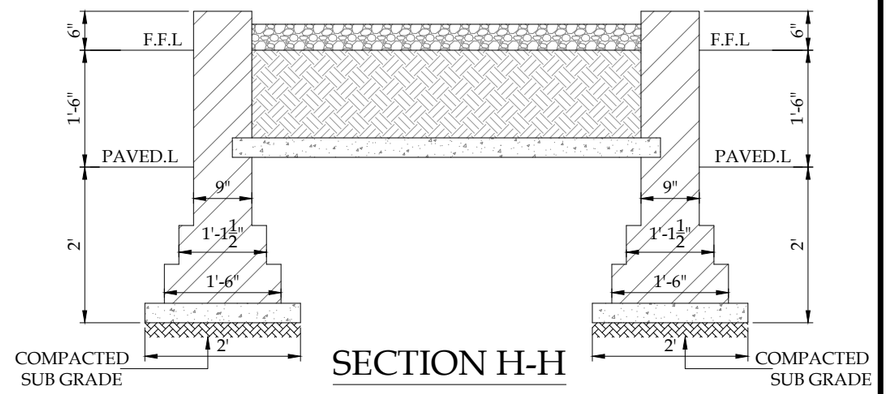

SECTION I-I



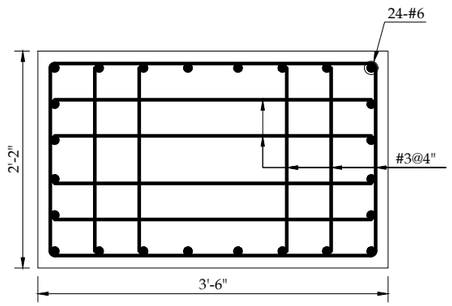

PLINTH BEAM

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | RESTAURANT<br>FOUNDATION SECTION DETAILS | STR-1202 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |

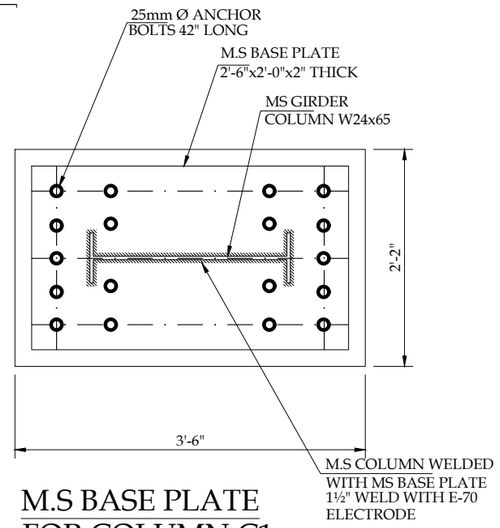



SECTION H-H

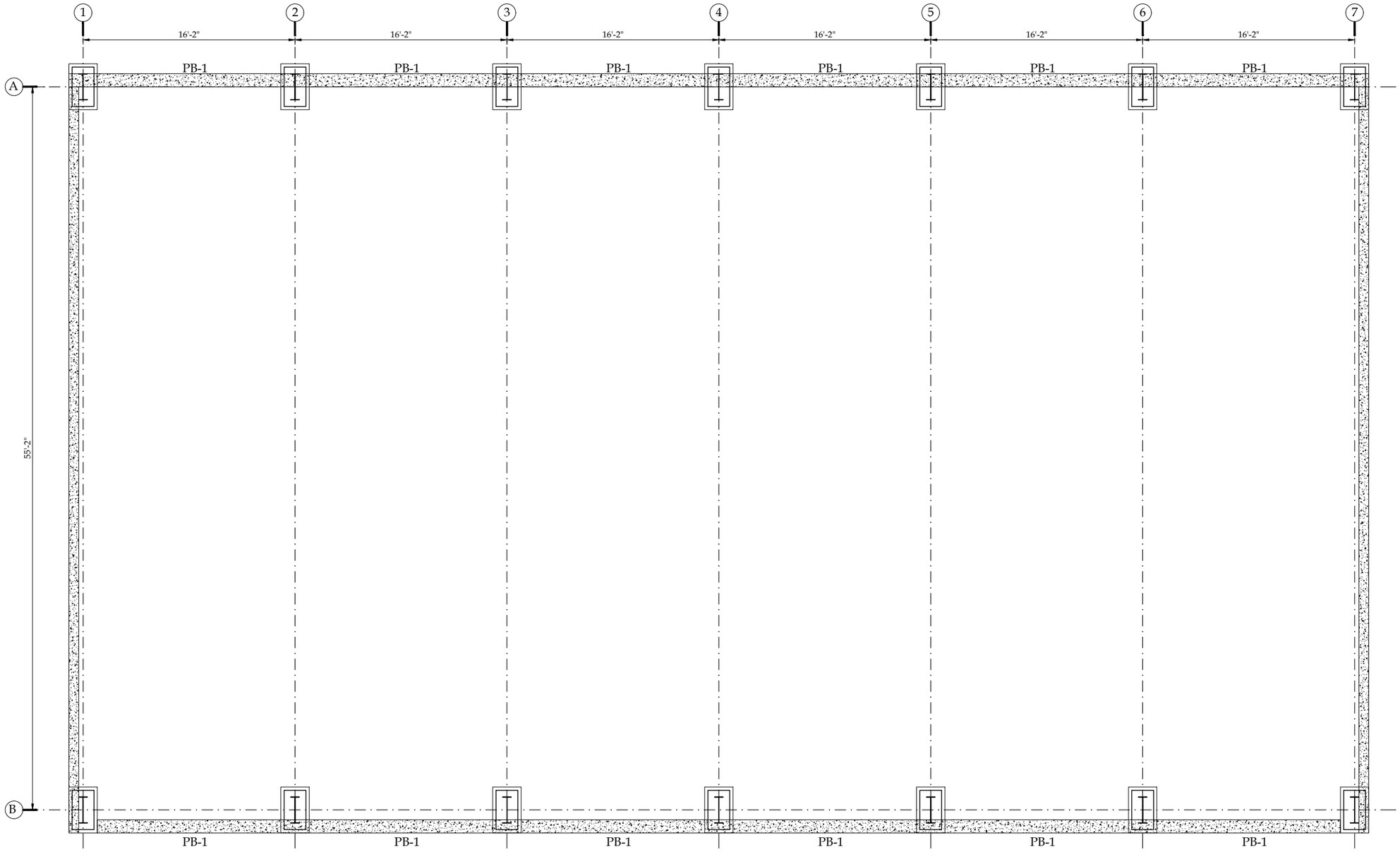



COLUMN C1



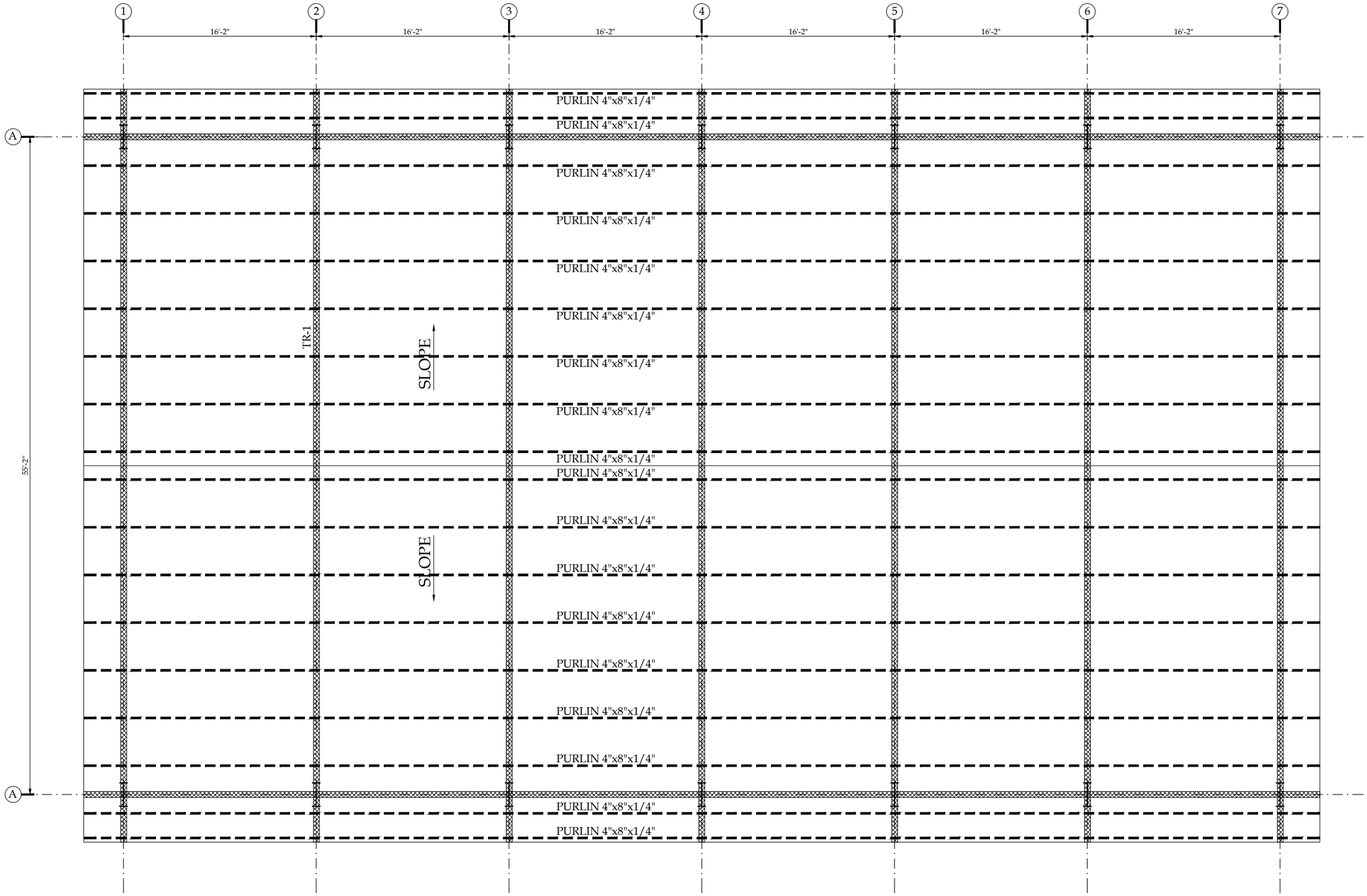

M.S BASE PLATE
FOR COLUMN C1

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | DRAWING TITLE: RESTAURANT | DRAWING NO: STR-1203 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | FOUNDATION & COLUMN SECTION DETAILS | SCALE: | | | |
| | | | CHECKED BY: NAVEED NAZ | | SHEET: A3 | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | |
| | | | DATE: MARCH, 2025 | | | | | |




# PLINTH BEAMS FRAMING PLAN

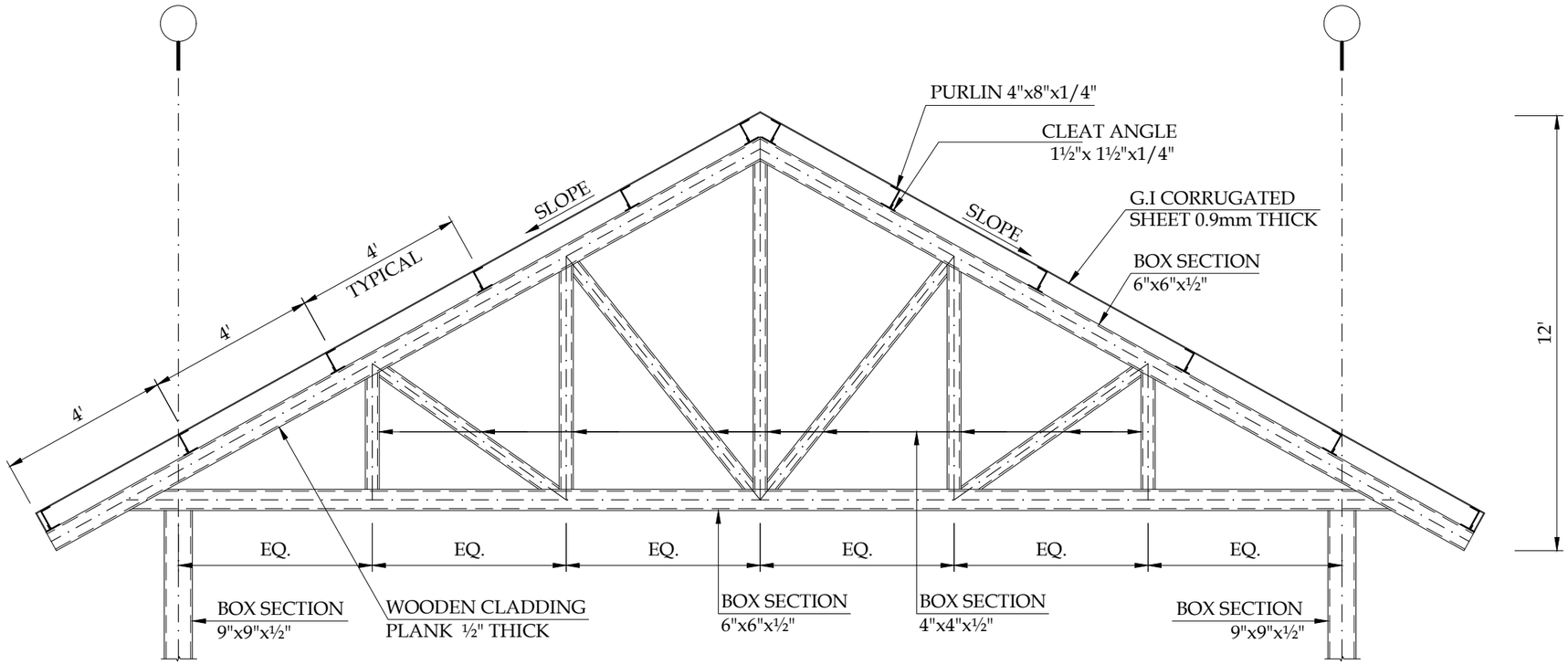
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** RESTAURANT | **DRAWING NO:** STR-1204 | | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | PLINTH BEAMS FRAMING PLAN | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | | | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | **SCALE:** | **SHEET:** A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | | |




ROOF TRUSS (TR-1) FRAMING PLAN

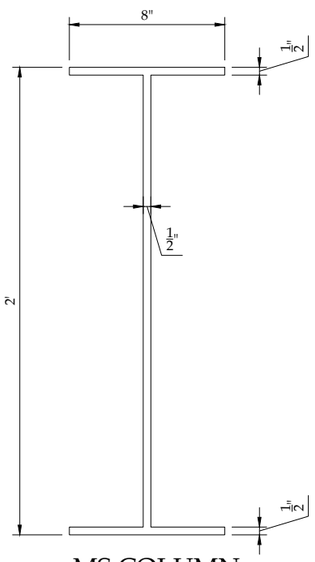
SCALE:- 1/6" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | RESTAURANT<br>ROOF TRUSS (TR-1) FRAMING PLAN | STR-1205<br>SCALE:<br>SHEET: A3 | | | | |

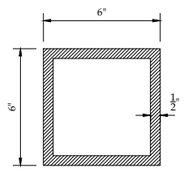



# TRUSS ELEVATION TR-1

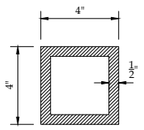
SCALE:- 1/4" = 1'-0"



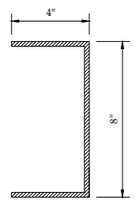

MS COLUMN
SECTION W24x65




BOX SECTION
6"x6"x½"
SCALE:- 1" = 4"




BOX SECTION
4"x4"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | RESTAURANT | STR-1206 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | TRUSS ELEVATION | SCALE: / SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## REST ROOMS (6+6)

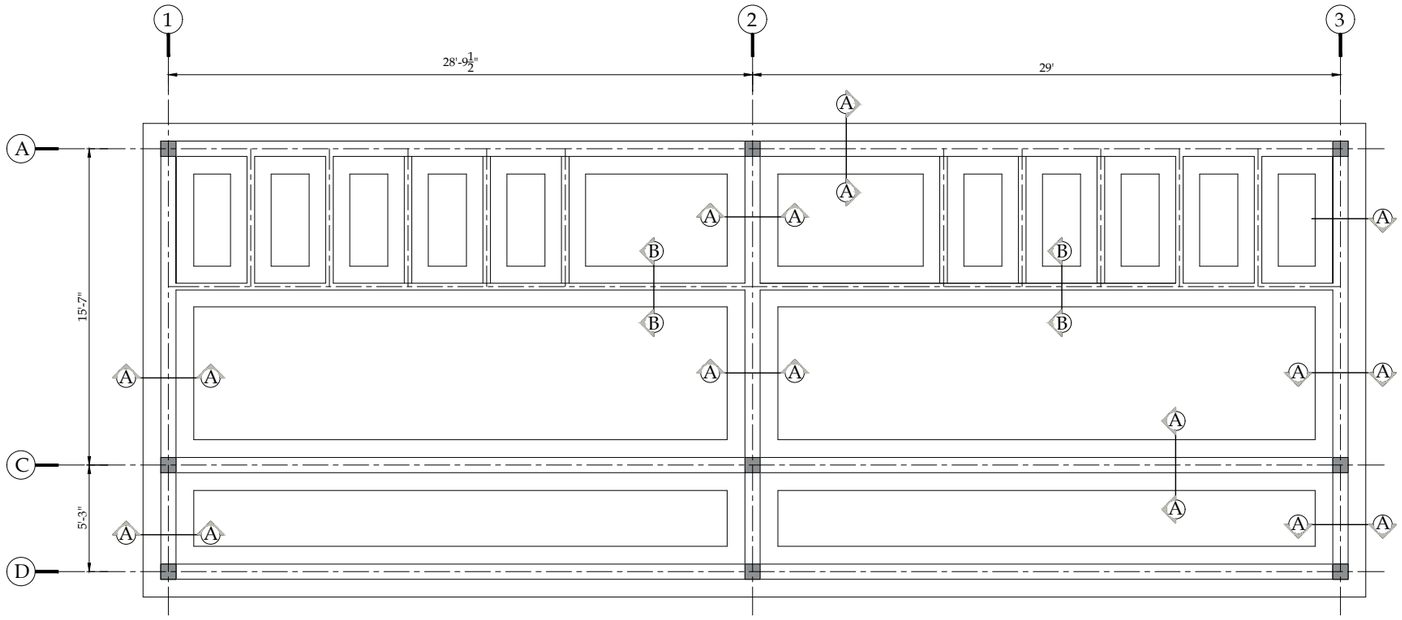
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

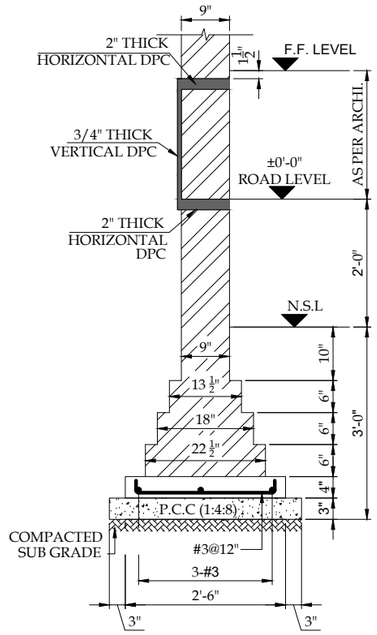
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

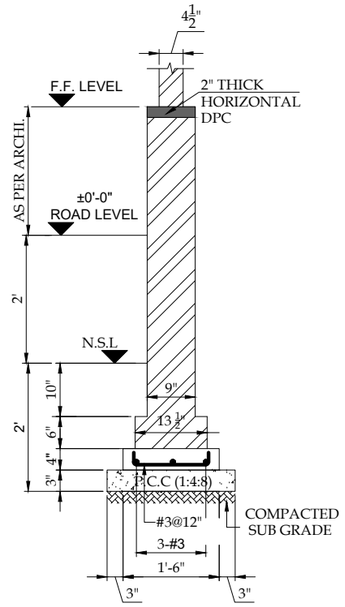
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



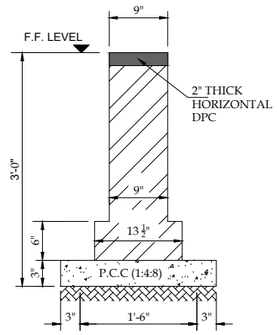

FOUNDATION LAYOUT PLAN



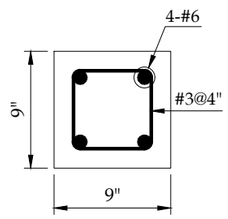

SECTION A-A




SECTION B-B

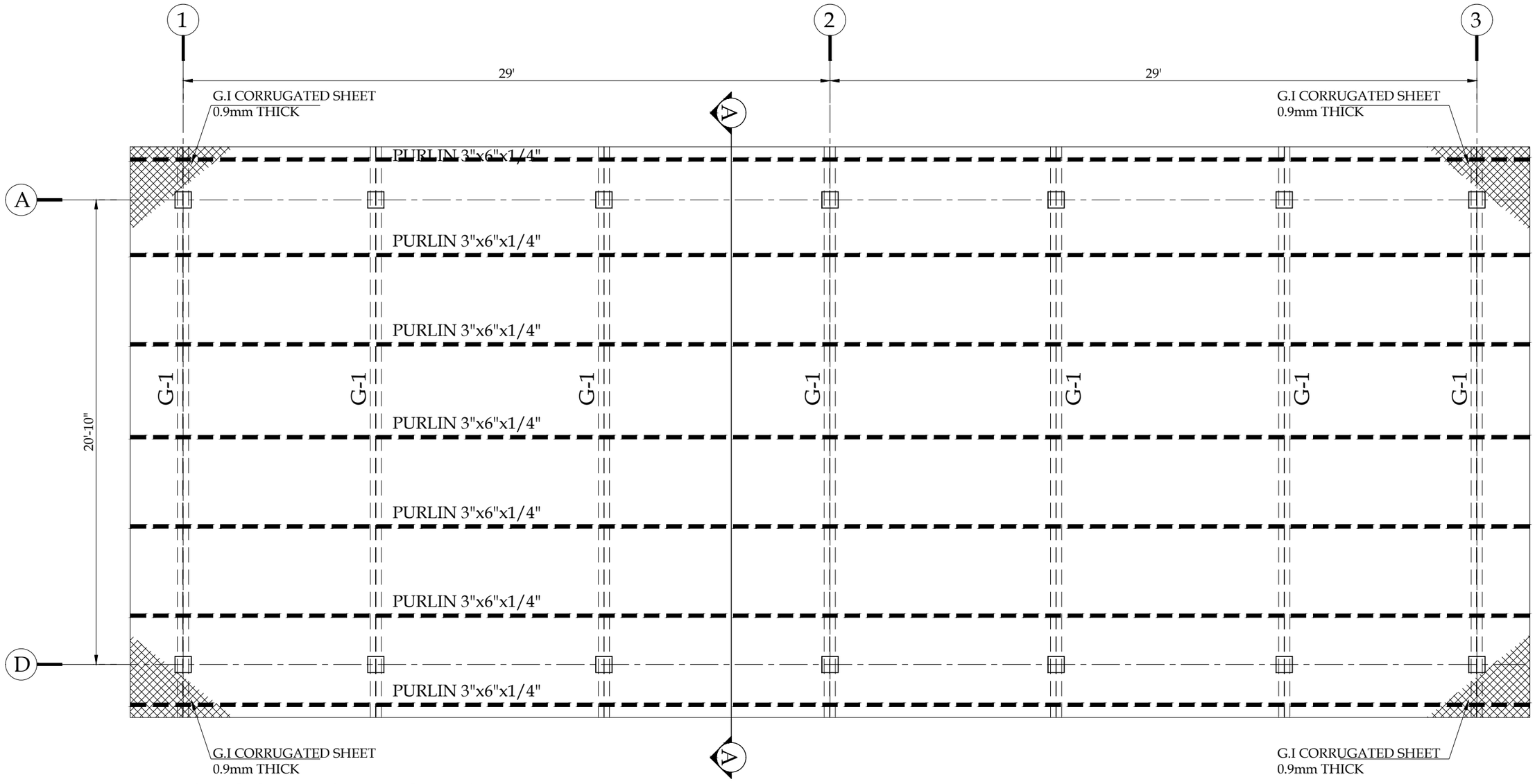



SECTION D-D



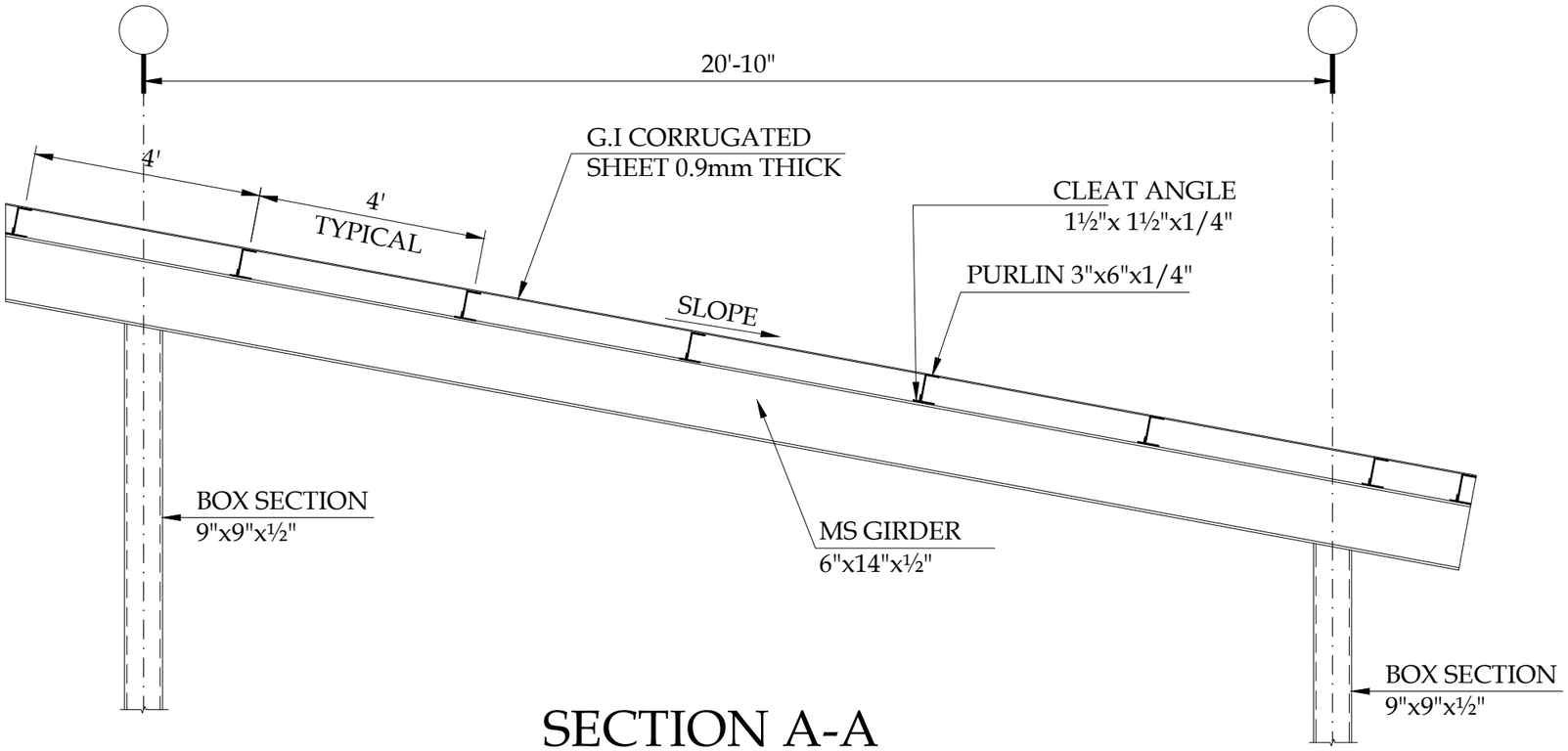

COLUMN C1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | REST ROOM (6+6)<br>FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-1301<br>SCALE:<br>SHEET: A3 | | | | |



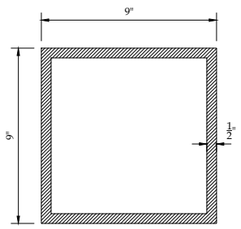

# MS ROOF FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | REST ROOM (6+6)<br>MS ROOF FRAMING PLAN | STR-1302<br>SCALE:<br>SHEET: A3 | | | | |

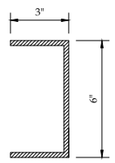



# SECTION A-A

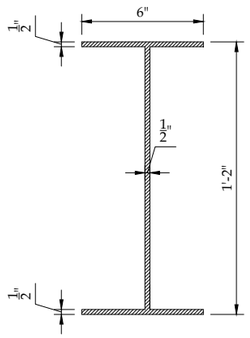
SCALE:- 1/4" = 1'-0"




BOX SECTION
9"x9"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"




GIRDER G-1
SCALE:- 1" = 6"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** REST ROOM (6+6) TRUSS ELEVATION | **DRAWING NO:** STR-1303 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | |
| | | | DATE: MARCH, 2025 | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## AMPHITHEATER

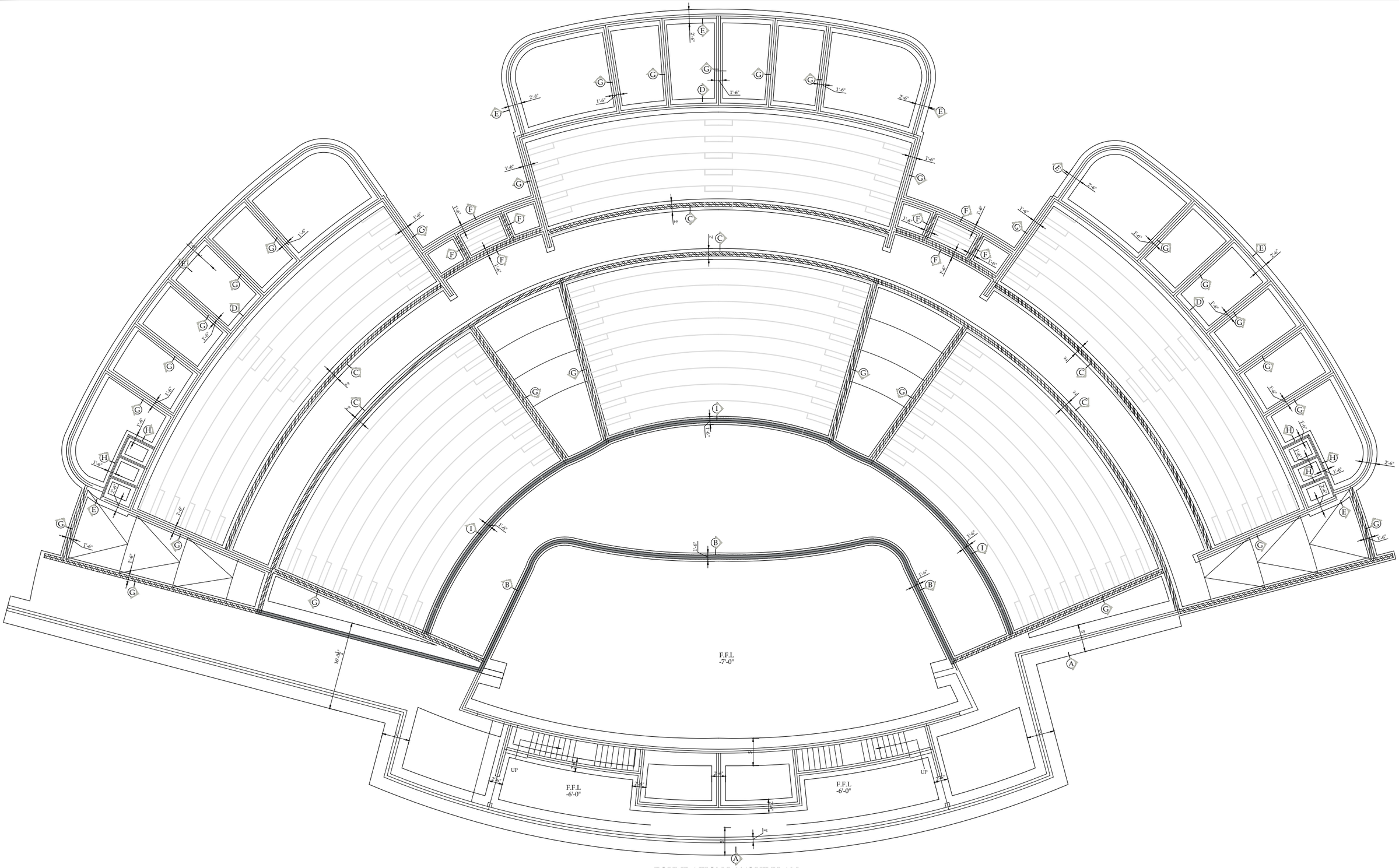
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

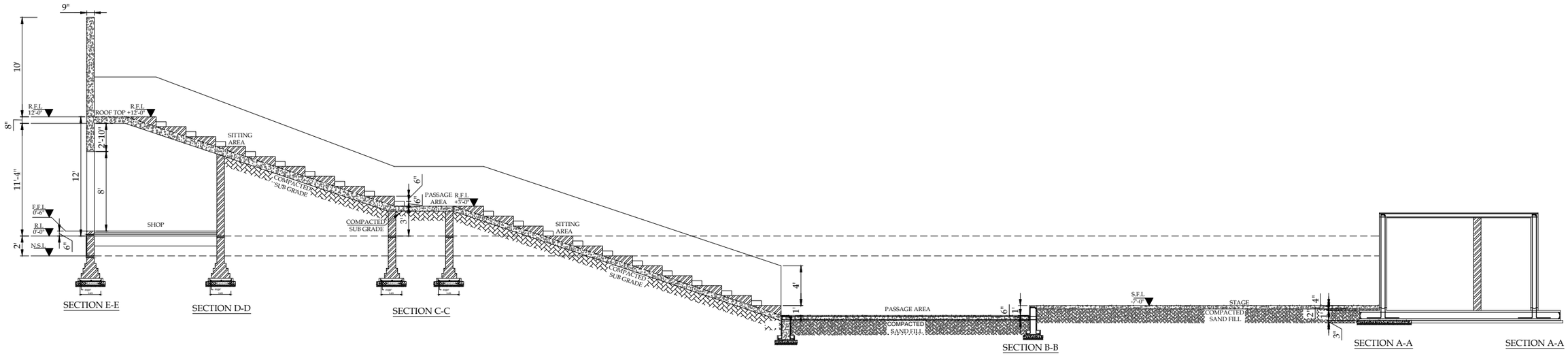
**CONSULTANTS:**

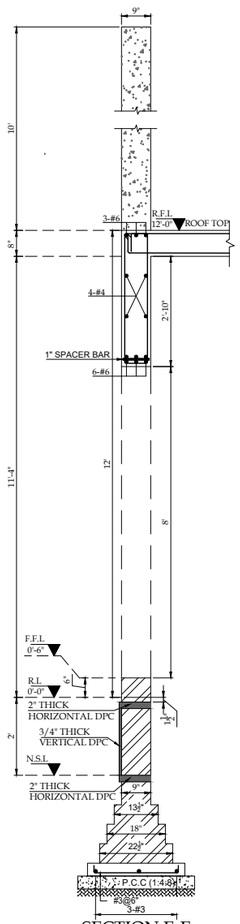
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



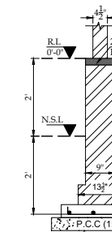

FOUNDATION LAYOUT PLAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** REVAMPING OF LAHORE ZOO | DRAWN BY: MUHAMMAD ADNAN<br>DESIGNED BY: MUHAMMAD ASAD ULLAH<br>CHECKED BY: SABIR HUSSAIN<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | **DRAWING TITLE:** AMPHITHEATER<br>FOUNDATION LAYOUT PLAN | **DRAWING NO:** STR-1701<br>**SCALE:**<br>**SHEET:** A3 | REV. | DESCRIPTION | SIGN. | DATE |

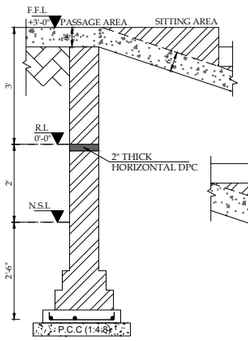


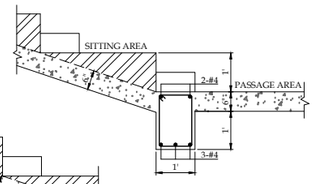

SECTION E-E
SCALE:- 1/2" = 1'-0"



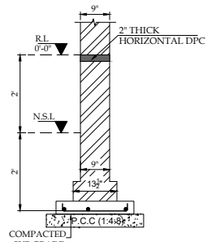

SECTION H-H
SCALE:- 1/2" = 1'-0"



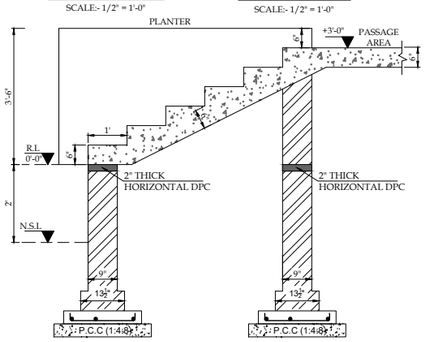

SECTION C-C
SCALE:- 1/2" = 1'-0"



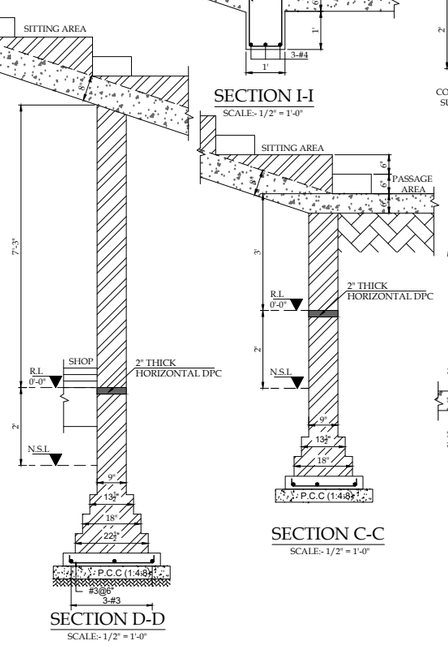

SECTION I-I
SCALE:- 1/2" = 1'-0"




SECTION G-G



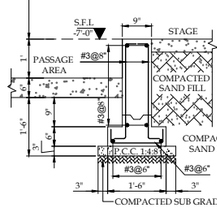

SECTION F-F
SCALE:- 1/2" = 1'-0"



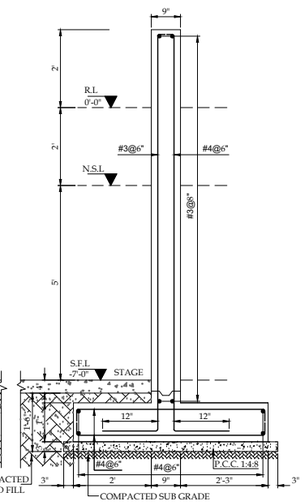

SECTION D-D
SCALE:- 1/2" = 1'-0"




SECTION C-C
SCALE:- 1/2" = 1'-0"




SECTION B-B
SCALE:- 1/2" = 1'-0"




SECTION A-A
SCALE:- 1/2" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | REVAMPING OF LAHORE ZOO | DRAWN BY: | MUHAMMAD ADNAN | AMPHITHEATER | STR-1702 | | | | |
| | | | DESIGNED BY: | MUHAMMAD ASAD ULLAH | | | | | | |
| | | | CHECKED BY: | SABIR HUSSAIN | FOUNDATION SECTION DETAILS | SCALE: / SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## JUNGLE SAFARI GATE

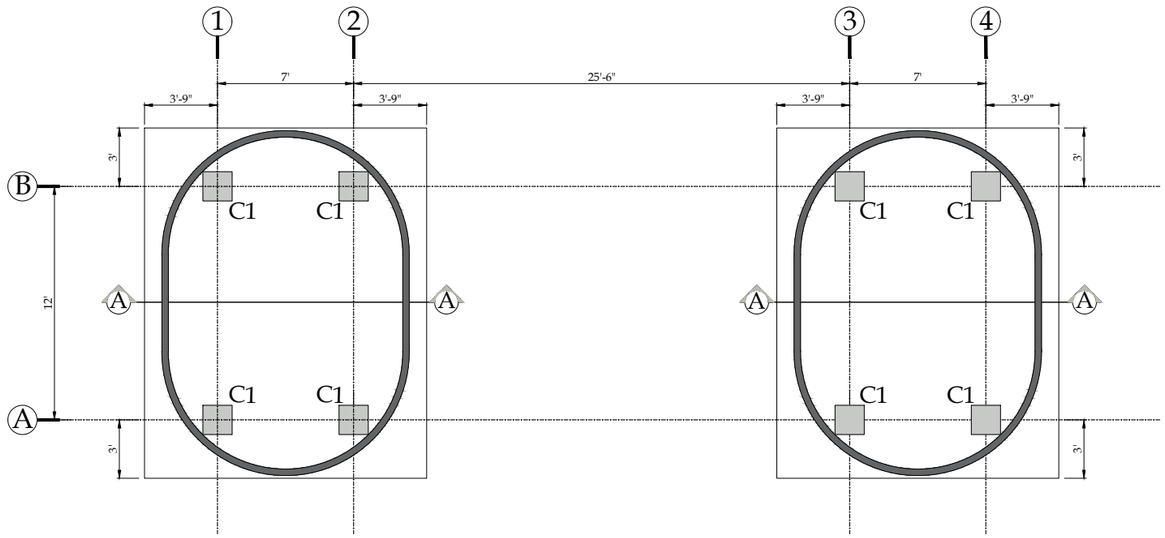
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

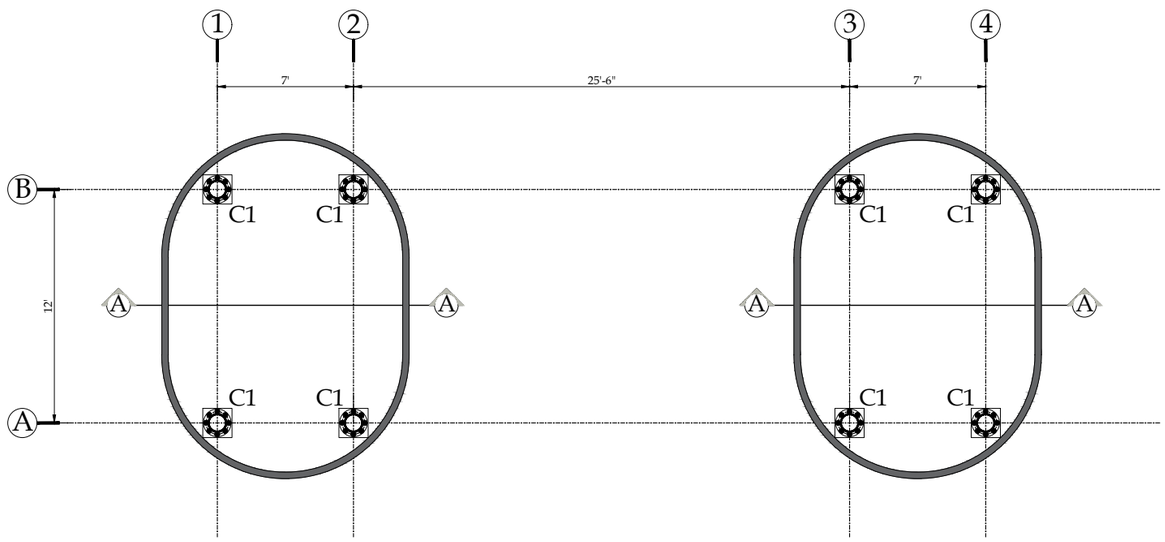
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

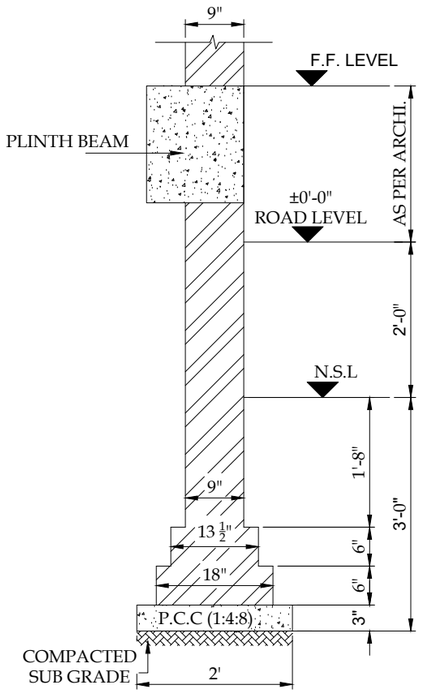



FOUNDATION LAYOUT PLAN

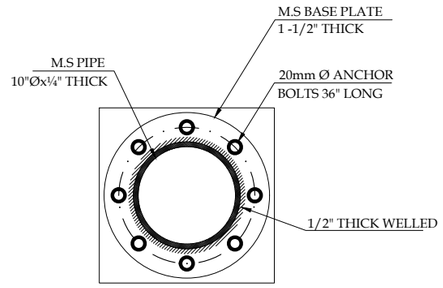



PLINTH BEAM LAYOUT PLAN

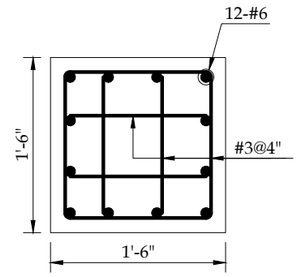
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | JUNGLE SAFRI GATE<br>FOUNDATION LAYOUT PLAN & PLINTH BEAM LAYOUT PLAN | STR-2301 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |



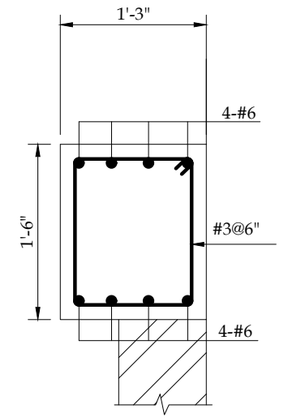

TYPE-A



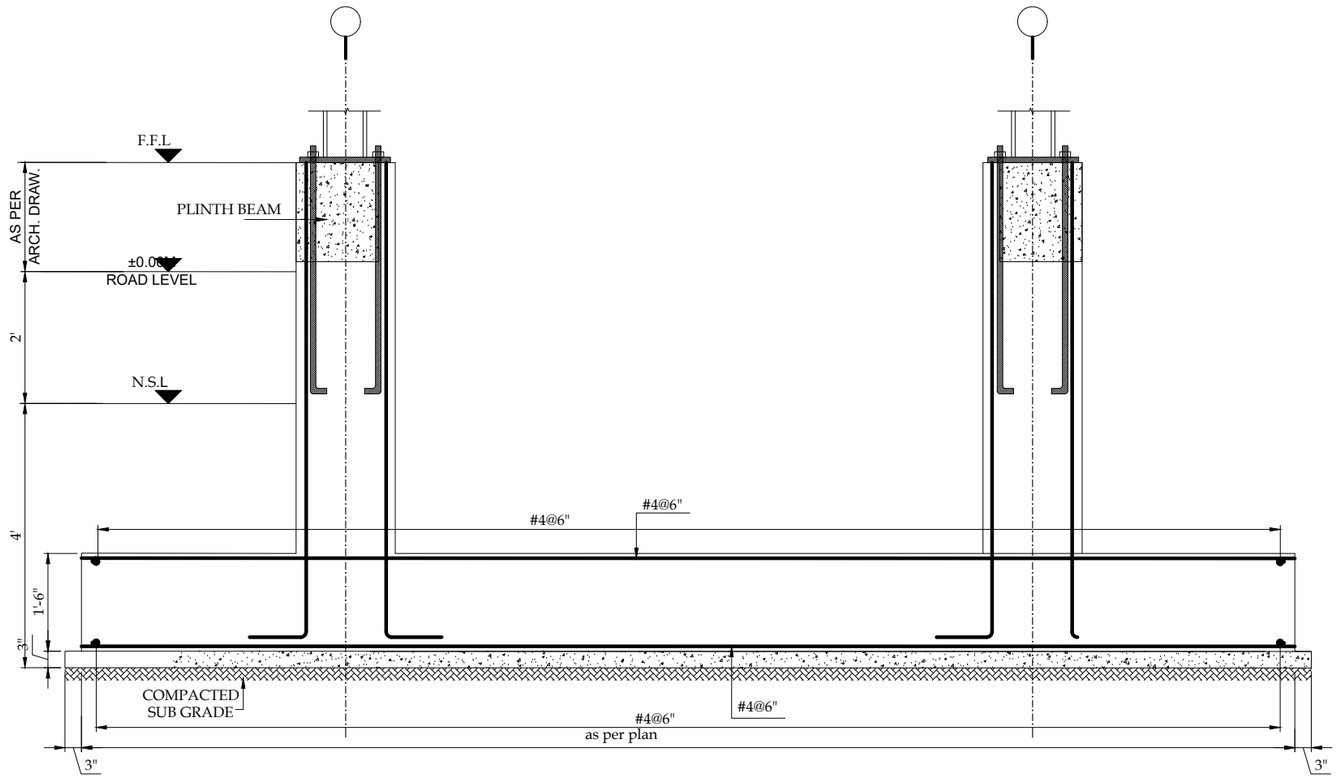

STEEL COLUMN AND BASE PLATE DETAILS




COLUMN C1

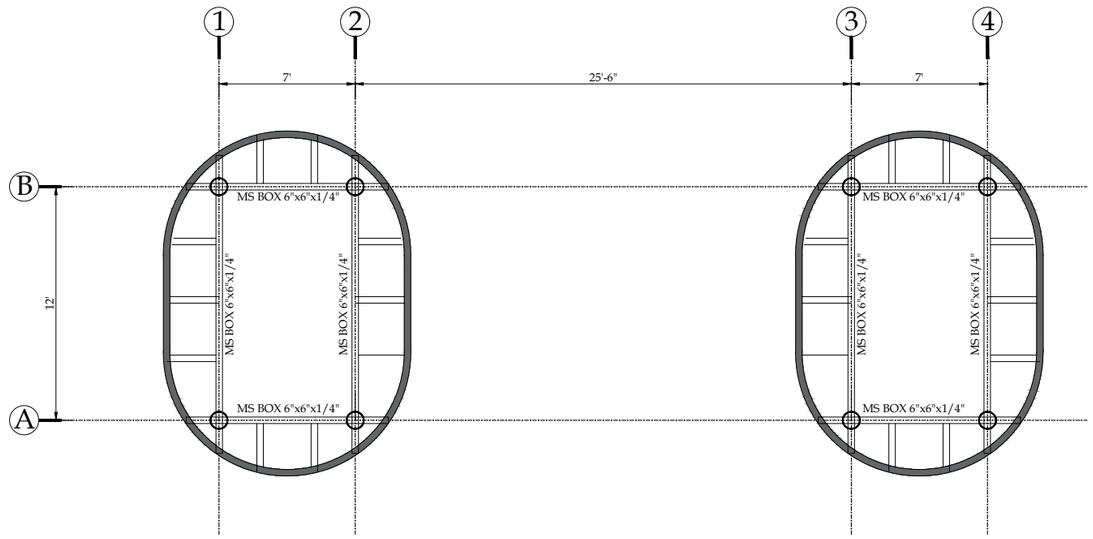



PLINTH BEAM
PB-1




SECTION FOOTING F-1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | JUNGLE SAFRI GATE<br>FOUNDATION SECTION DETAILS | STR-2302 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: / SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |




# BRACING BEAMS LAYOUT PLAN AT EVERY 8' FROM PLINTH LEVEL TO +24'-0"

**CLIENT:**

PUNJAB WILDLIFE & PARK DEPARTMENT

GOVERNMENT OF THE PUNJAB

**CONSULTANTS:**

ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

**PROJECT:**

**MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB**

| | |
|---|---|
| DRAWN BY: | M.ADNAN |
| DESIGNED BY: | M. ASAD ULLAH |
| CHECKED BY: | NAVEED NAZ |
| APPROVED BY: | SABIR HUSSAIN |
| DATE: | MARCH, 2025 |

**DRAWING TITLE:**

**JUNGLE SAFRI GATE**

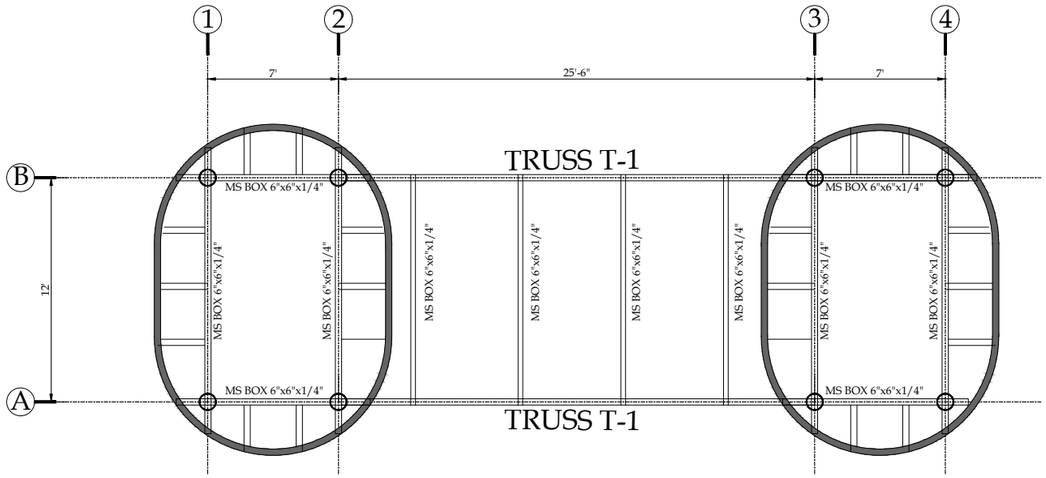
BRACING BEAMS LAYOUT PLAN AT EVERY 8' FROM PLINTH LEVEL TO +24'-0"

**DRAWING NO:** STR-2303

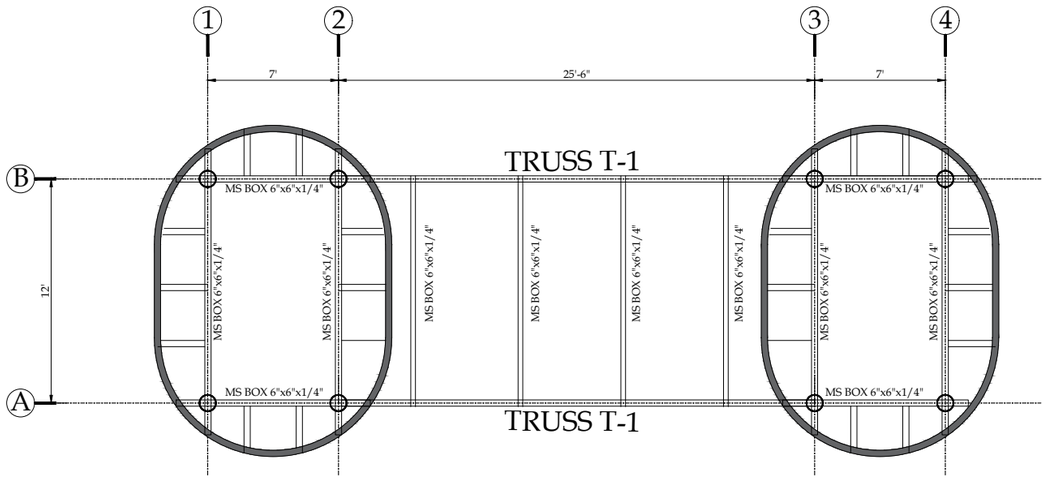
**SCALE:**

**SHEET:** A3

| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

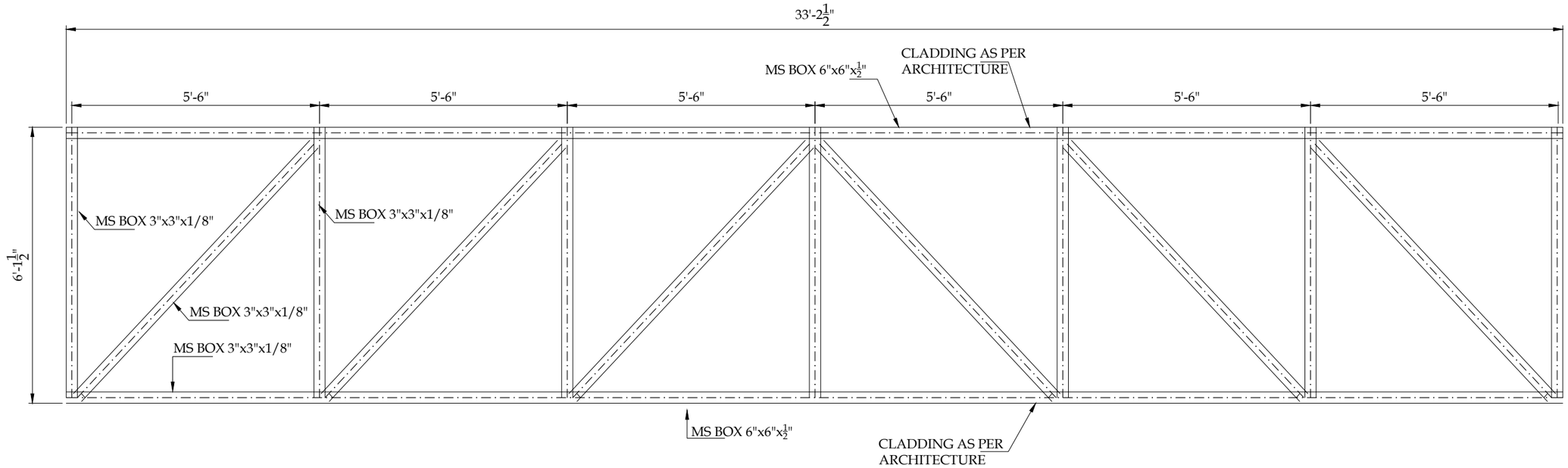



TRUSS AND BRACING BEAM
LAYOUT PLAN AT 33'-0"




TRUSS AND BRACING BEAM
LAYOUT PLAN AT 45'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | JUNGLE SAFRI GATE<br>TRUSS AND BRACING BEAM LAYOUT PLAN AT 33'-0" & TRUSS AND BRACING BEAM LAYOUT PLAN AT 45'-0" | STR-2304<br>SCALE:<br>SHEET: A3 | | | | |




TRUSS T-1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | JUNGLE SAFRI GATE<br>TRUSS T-1 | STR-2305 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | A3 | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## TRAM STATION

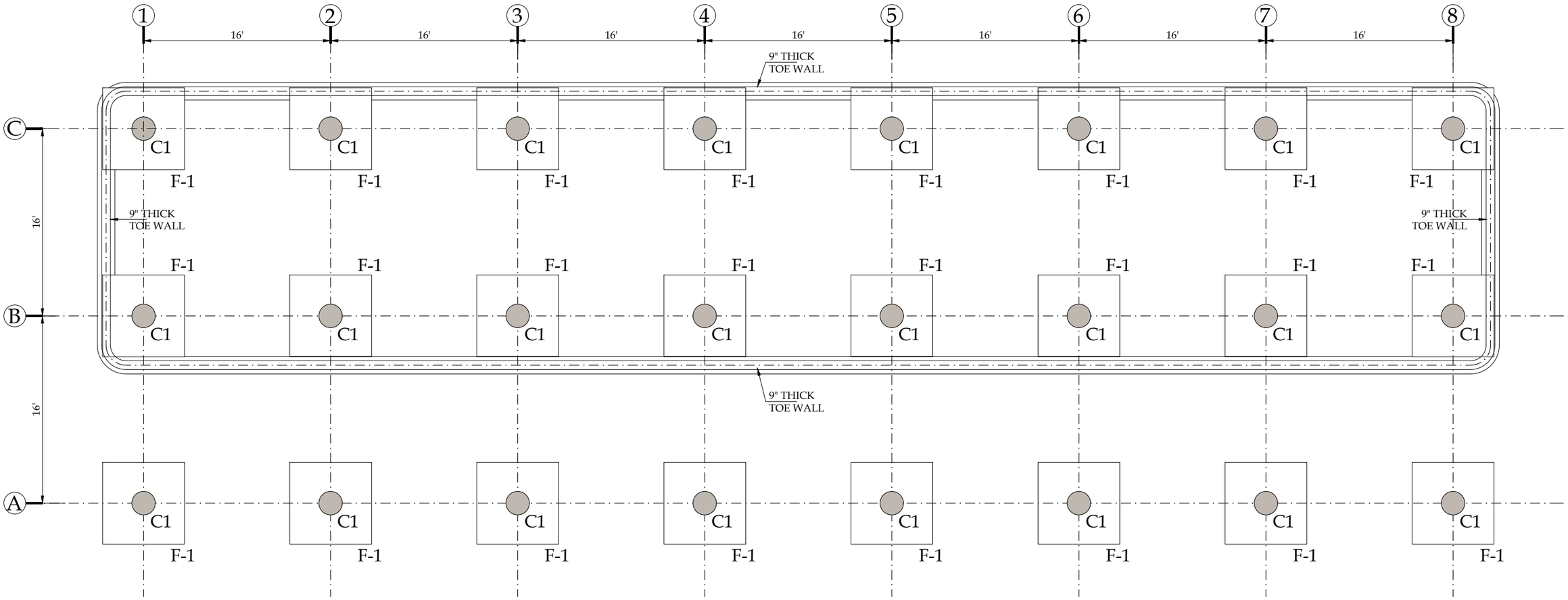
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

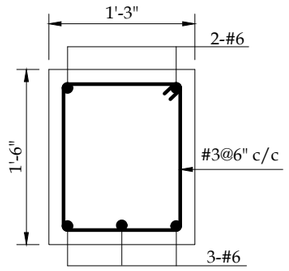
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

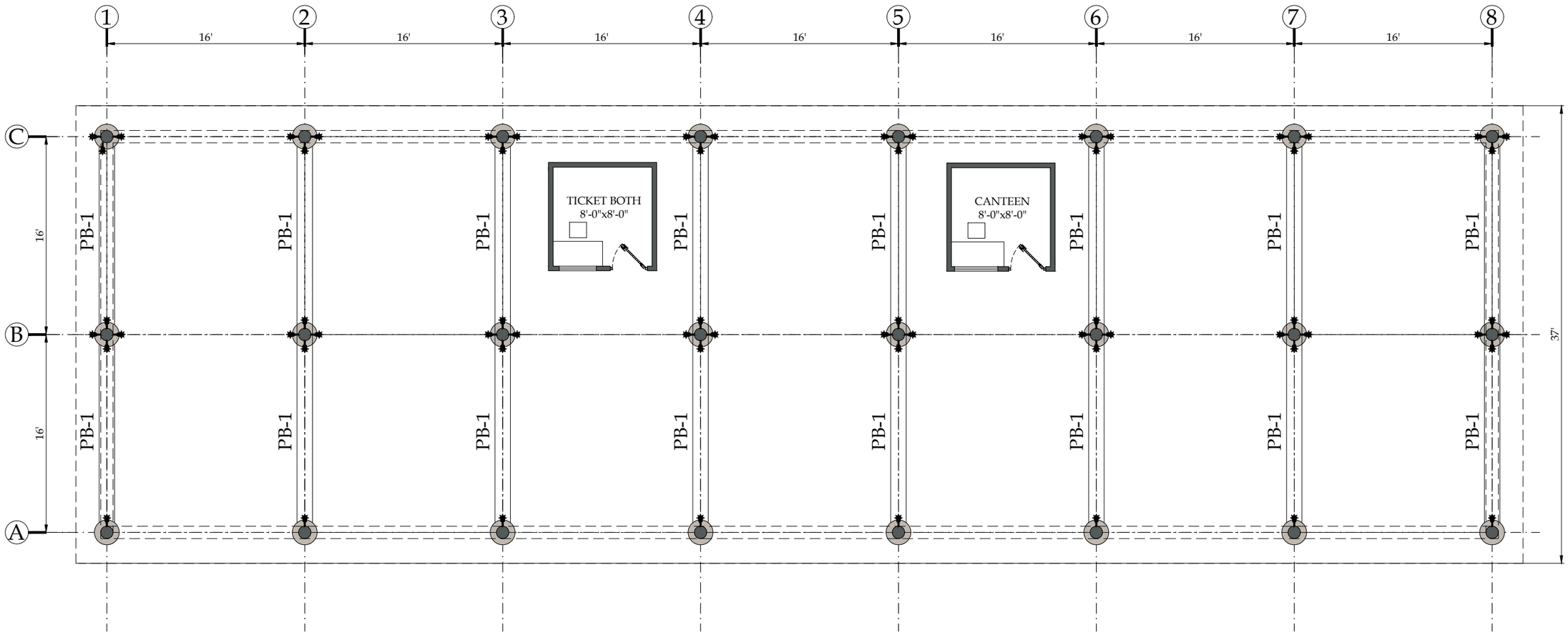



# FOUNDATION LAYOUT PLAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** REVAMPING OF LAHORE ZOO | DRAWN BY: MUHAMMAD ADNAN<br>DESIGNED BY: MUHAMMAD ASAD ULLAH<br>CHECKED BY: SABIR HUSSAIN<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | **DRAWING TITLE:** TRAM STATION<br>FOUNDATION LAYOUT PLAN | **DRAWING NO:** STR-2501<br>**SCALE:**<br>**SHEET:** A3 | REV. | DESCRIPTION | SIGN. | DATE |

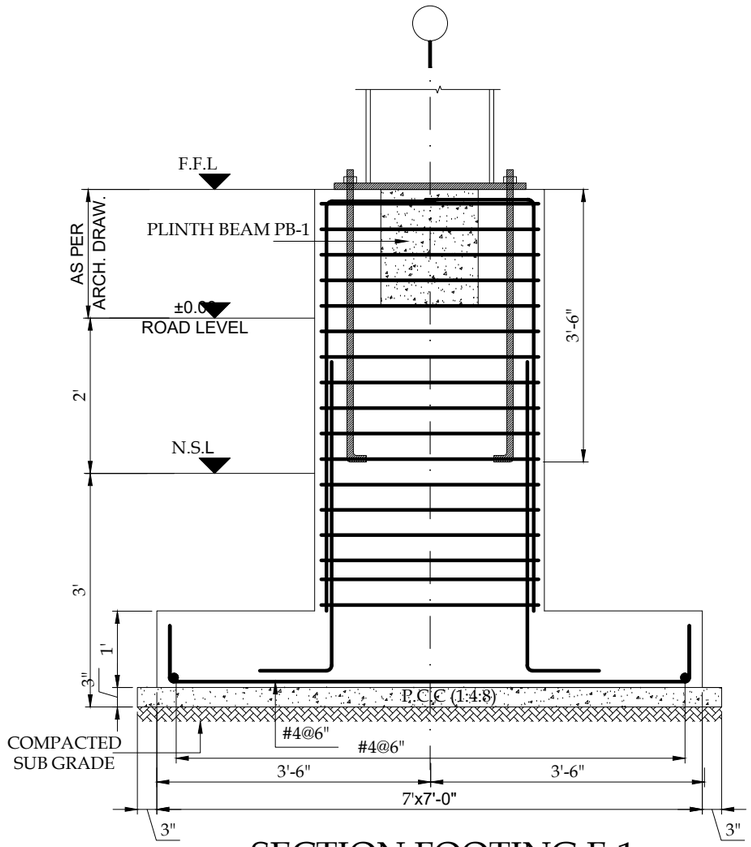



PLINTH BEAM
PB-1

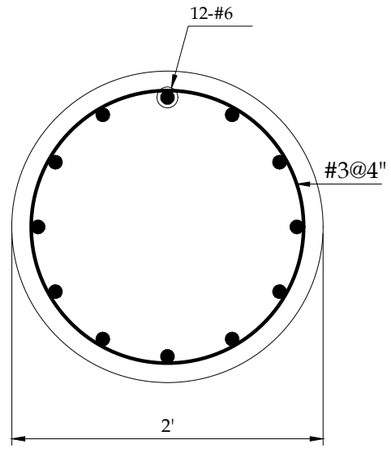



PLINTH BEAM LAYOUT PLAN

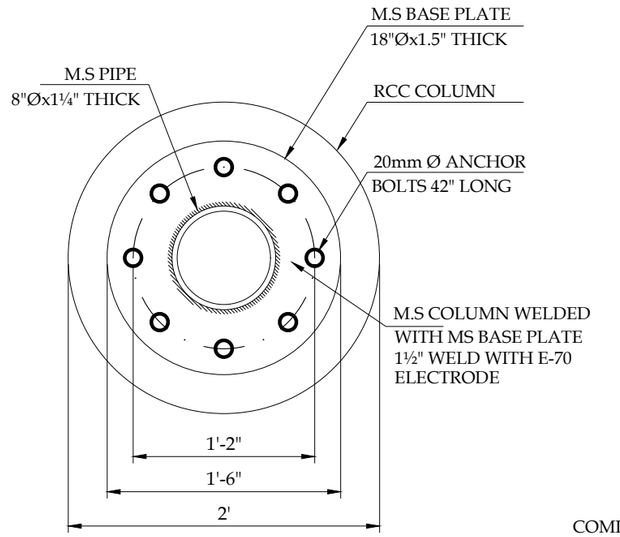
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: REVAMPING OF LAHORE ZOO | DRAWN BY: | MUHAMMAD ADNAN | DRAWING TITLE: TRAM STATION | DRAWING NO: STR-2502 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: | MUHAMMAD ASAD ULLAH | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | SCALE: | | | |
| | | | CHECKED BY: | SABIR HUSSAIN | | SHEET: A3 | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | |



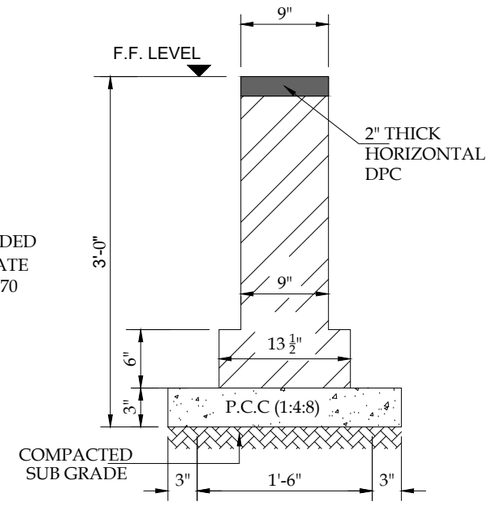

SECTION FOOTING F-1




COLUMN C1



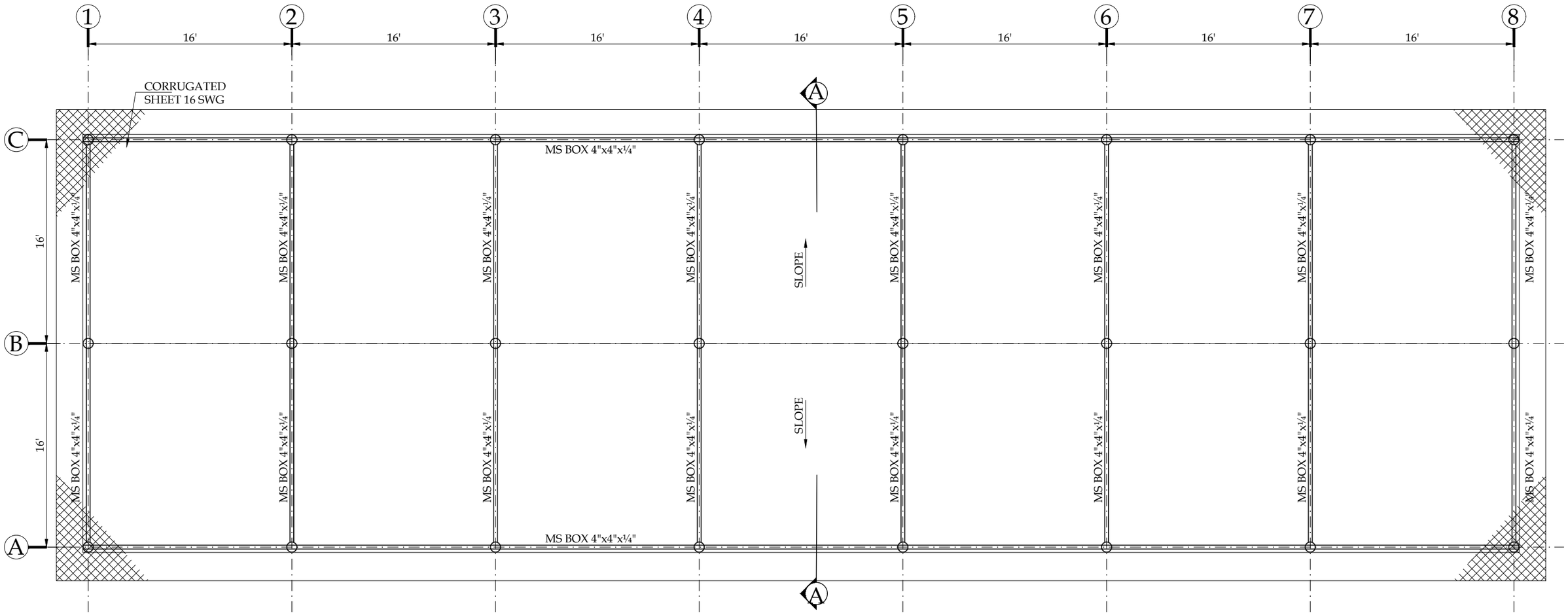

M.S BASE PLATE DETAIL




TOE WALL FOOTING X-SECTION

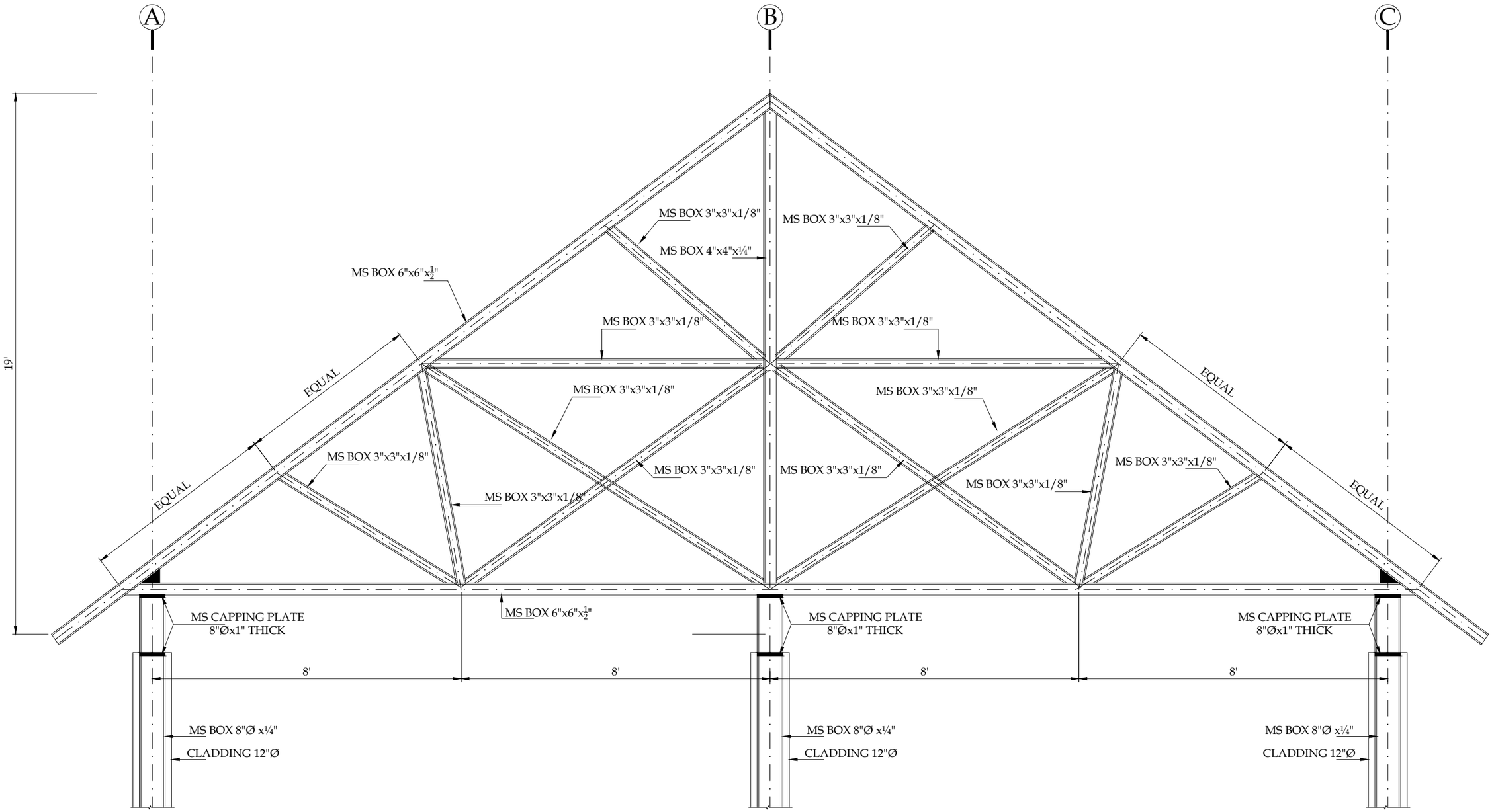
SCALE:- 3/4" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 283-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | REVAMPING OF LAHORE ZOO | DRAWN BY: | MUHAMMAD ADNAN | TRAM STATION | STR-2503 | | | | |
| | | | DESIGNED BY: | MUHAMMAD ASAD ULLAH | FOUNDATION SECTION DETAILS | SCALE: / SHEET: A3 | | | | |
| | | | CHECKED BY: | SABIR HUSSAIN | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |




# MS ROOF FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | REVAMPING OF LAHORE ZOO | DRAWN BY: | MUHAMMAD ADNAN | TRAM STATION | STR-2504 | | | | | |
| | | | DESIGNED BY: | MUHAMMAD ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | SABIR HUSSAIN | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | MS ROOF FRAMING PLAN | SCALE: | SHEET: A3 | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |




# SECTION A-A

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>283-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | REVAMPING OF LAHORE ZOO | DRAWN BY: | MUHAMMAD ADNAN | TRAM STATION<br>TRUSS ELEVATION | STR-2505 | | | | | |
| | | | DESIGNED BY: | MUHAMMAD ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | SABIR HUSSAIN | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## WATCH TOWER

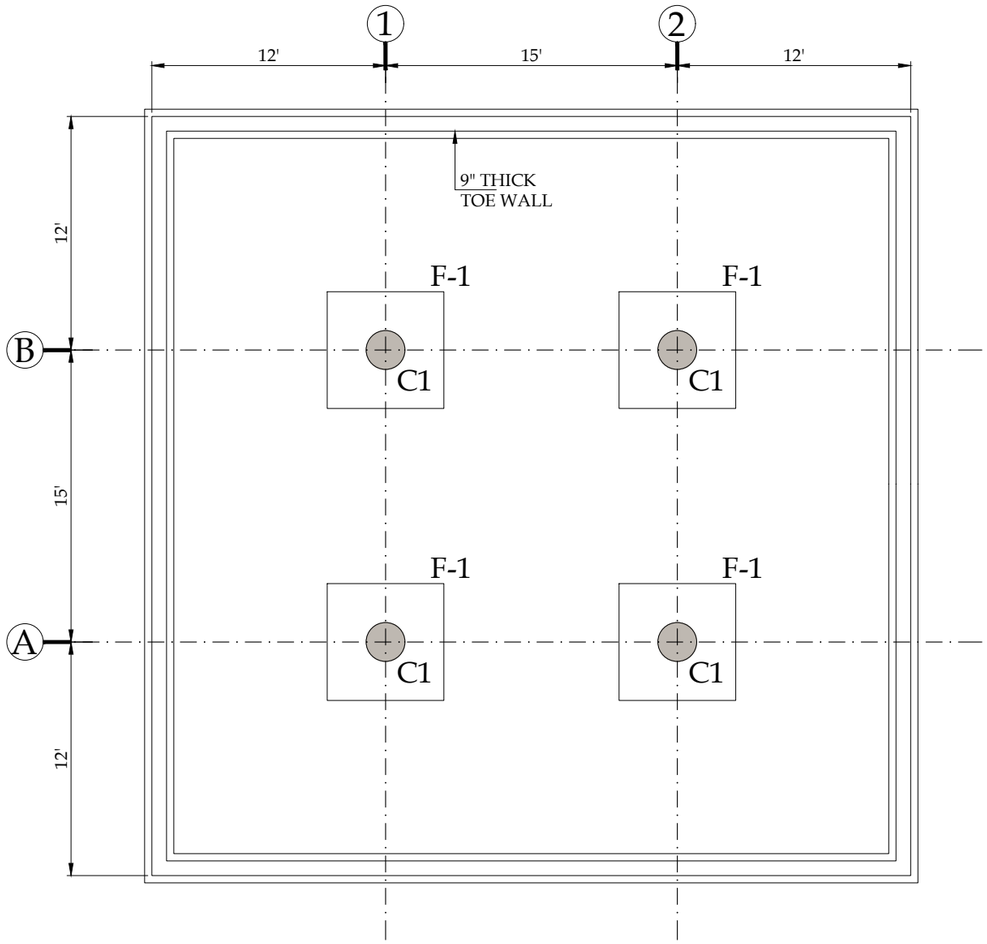
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

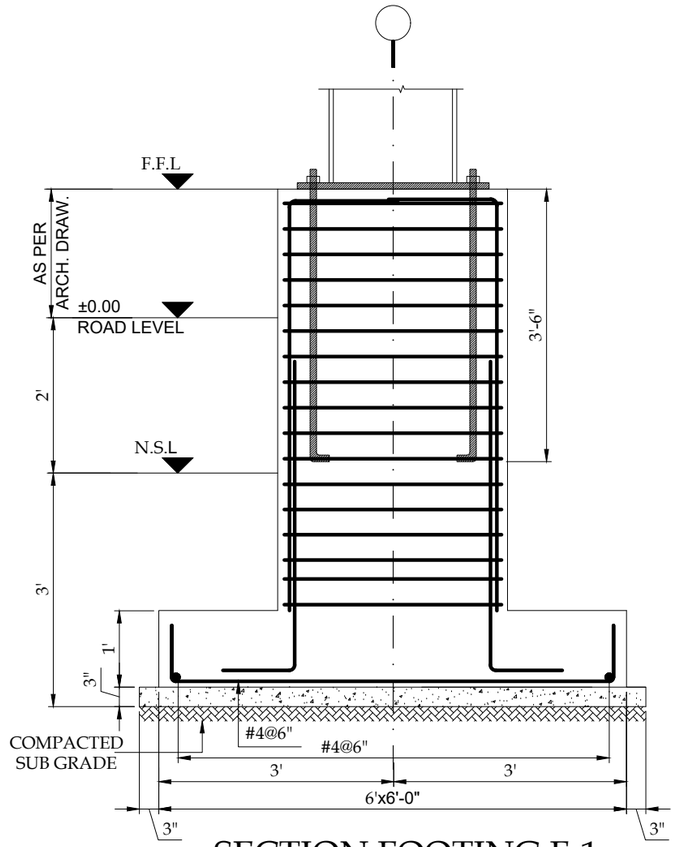
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

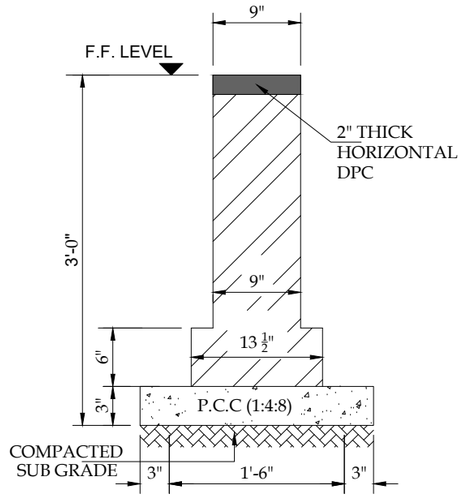
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



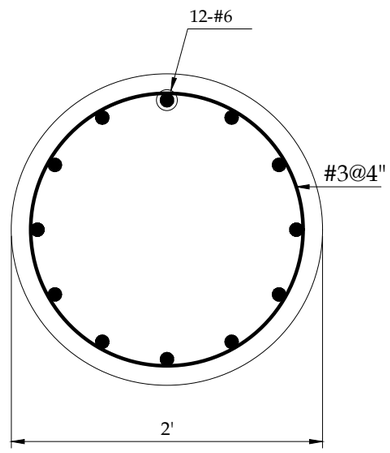

FOUNDATION LAYOUT PLAN



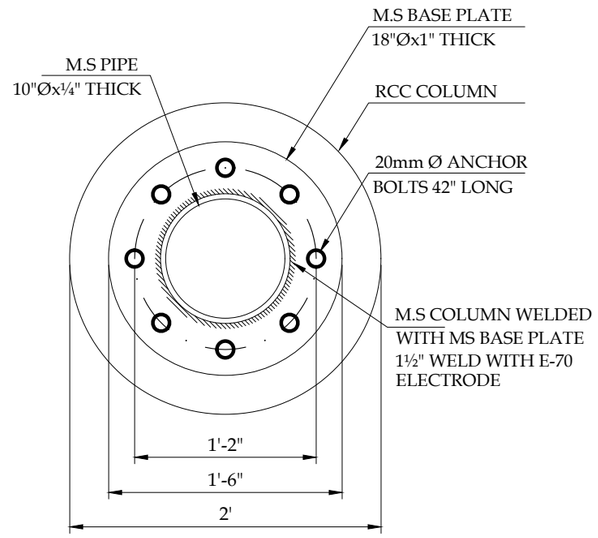

SECTION FOOTING F-1




TOE WALL FOOTING
X-SECTION

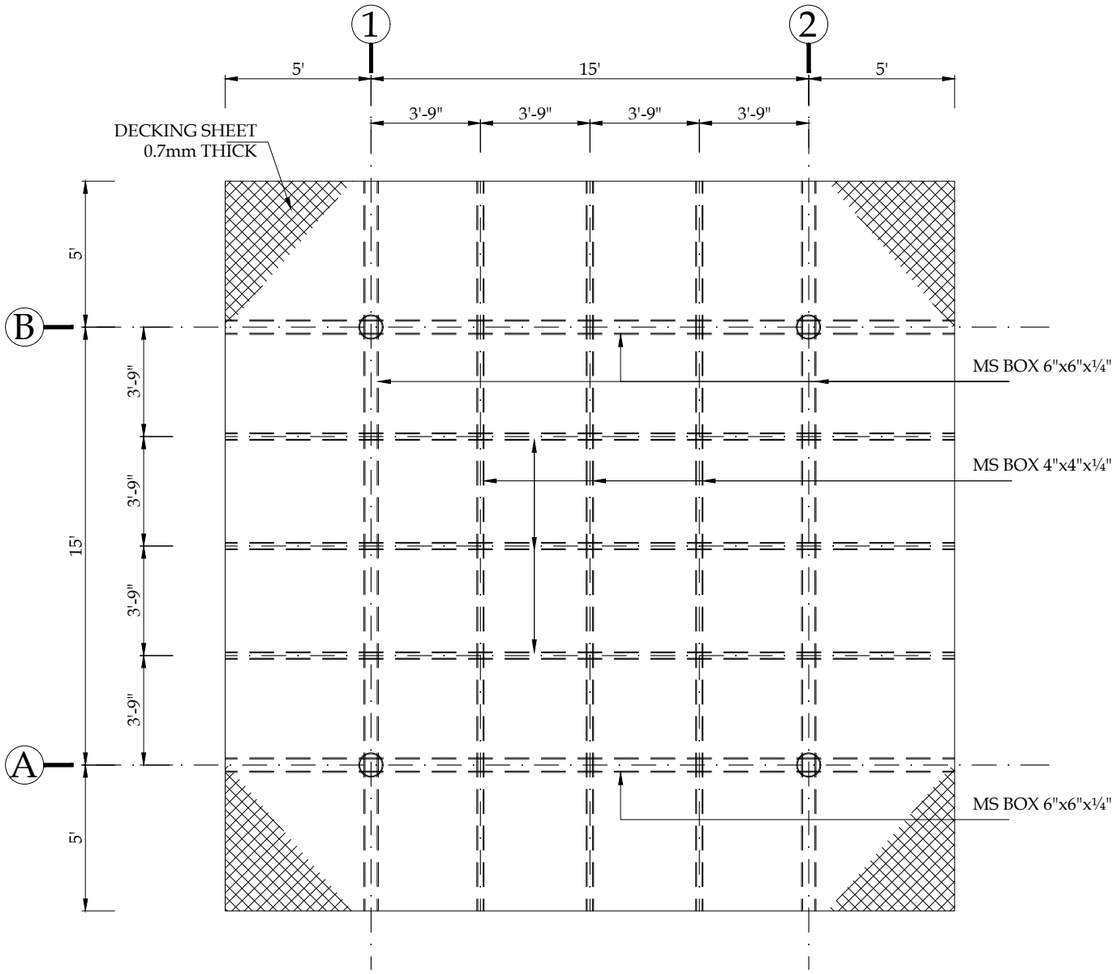



COLUMN C1

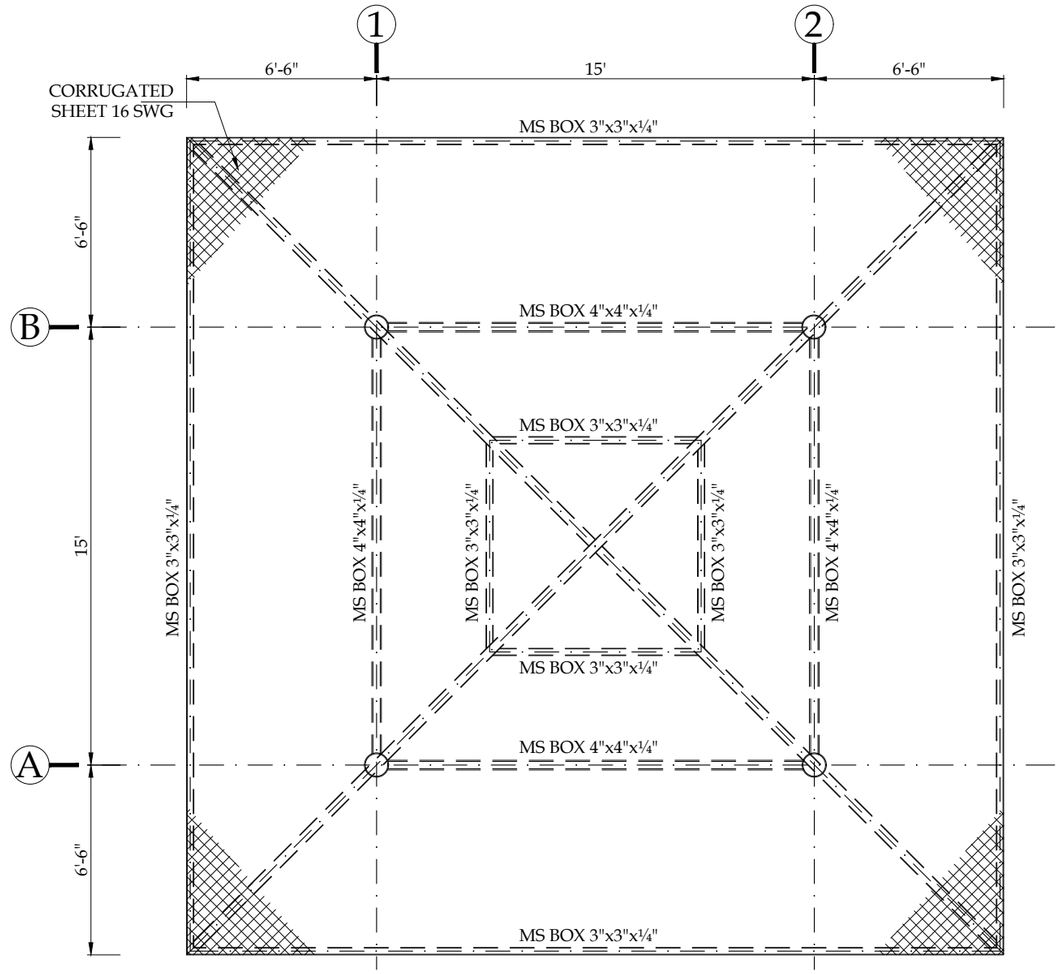



M.S BASE PLATE
DETAIL

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | REVAMPING OF LAHORE ZOO | DRAWN BY: | MUHAMMAD ADNAN | WATCH TOWER<br>FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-3001 | | | | | |
| | | | DESIGNED BY: | MUHAMMAD ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | SABIR HUSSAIN | | SCALE: | SHEET: A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

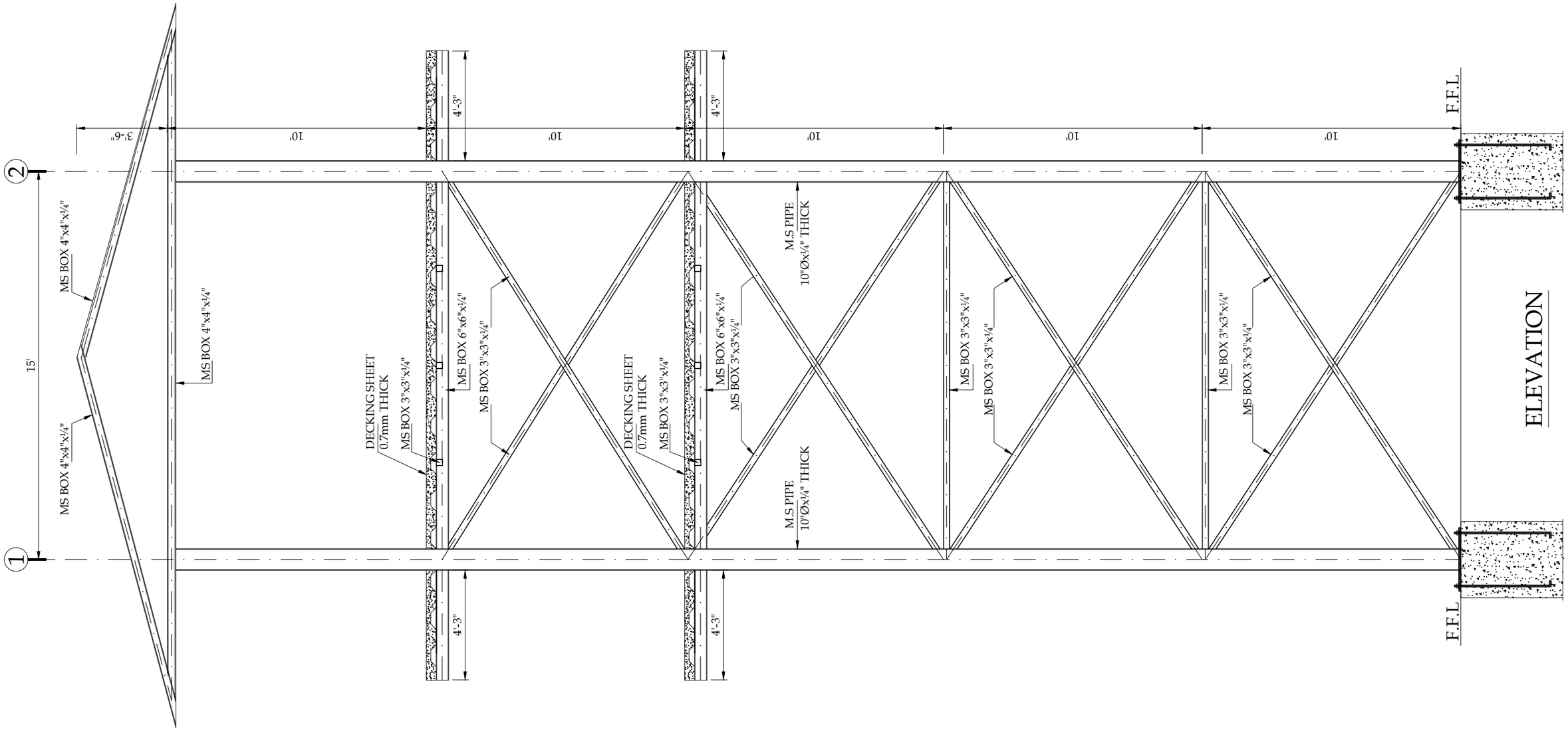



MS SLAB FRAMING PLAN




MS TOP ROOF FRAMING PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>283-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | REVAMPING OF LAHORE ZOO | DRAWN BY: | MUHAMMAD ADNAN | WATCH TOWER | STR-3002 | | | | |
| | | | DESIGNED BY: | MUHAMMAD ASAD ULLAH | MS SLAB FRAMING PLAN &<br>MS TOP ROOF FRAMING PLAN | SCALE: / SHEET: A3 | | | | |
| | | | CHECKED BY: | SABIR HUSSAIN | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 283-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** REVAMPING OF LAHORE ZOO | DRAWN BY: MUHAMMAD ADNAN<br>DESIGNED BY: MUHAMMAD ASAD ULLAH<br>CHECKED BY: SABIR HUSSAIN<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | **DRAWING TITLE:** WATCH TOWER<br>ELEVATION | **DRAWING NO:** STR-3003<br>**SCALE:**<br>**SHEET:** A3 | REV. | DESCRIPTION | SIGN. | DATE |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## MEDICAL CENTER

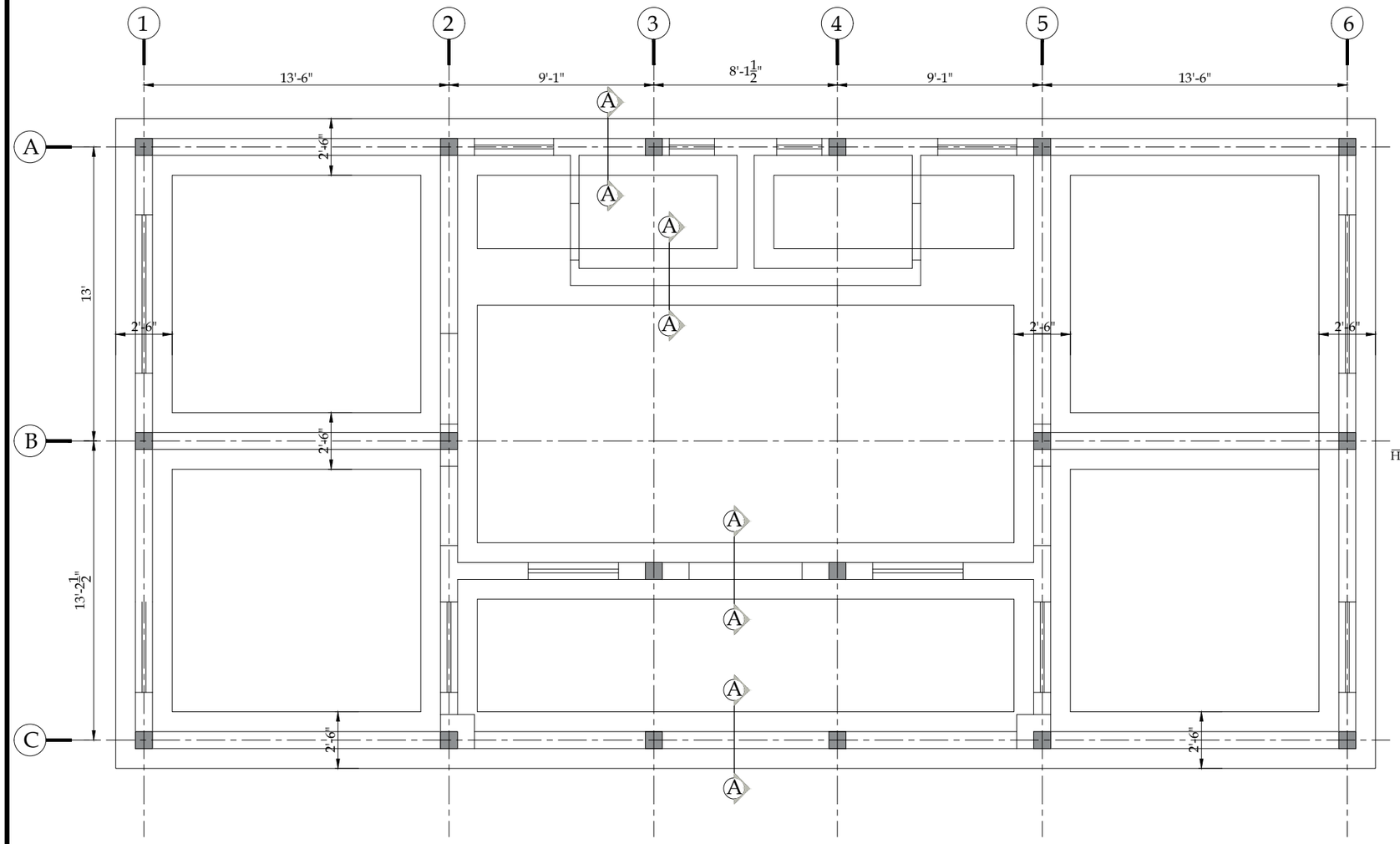
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

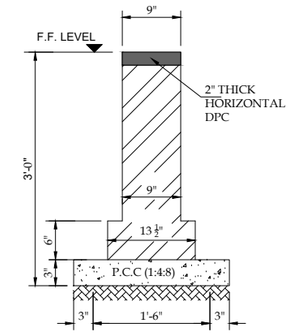
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

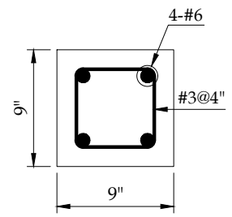
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



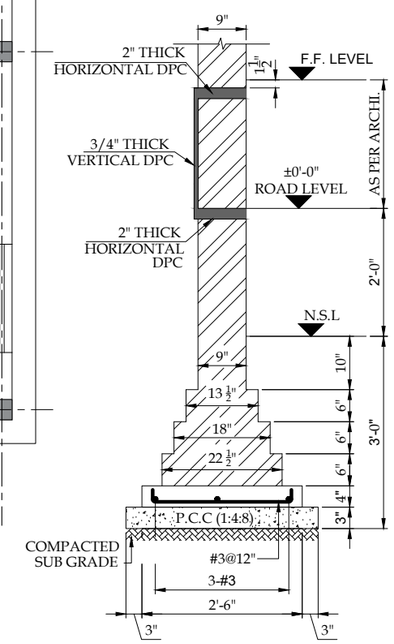

FOUNDATION LAYOUT PLAN



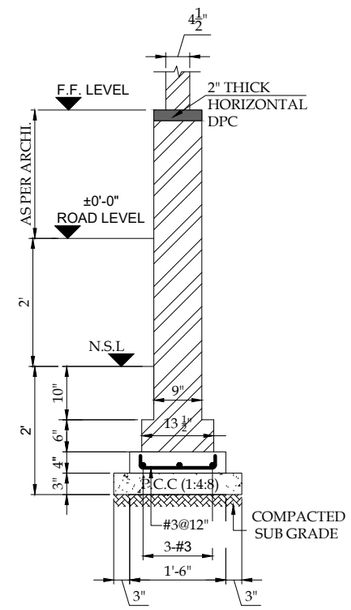

SECTION D-D




COLUMN C1

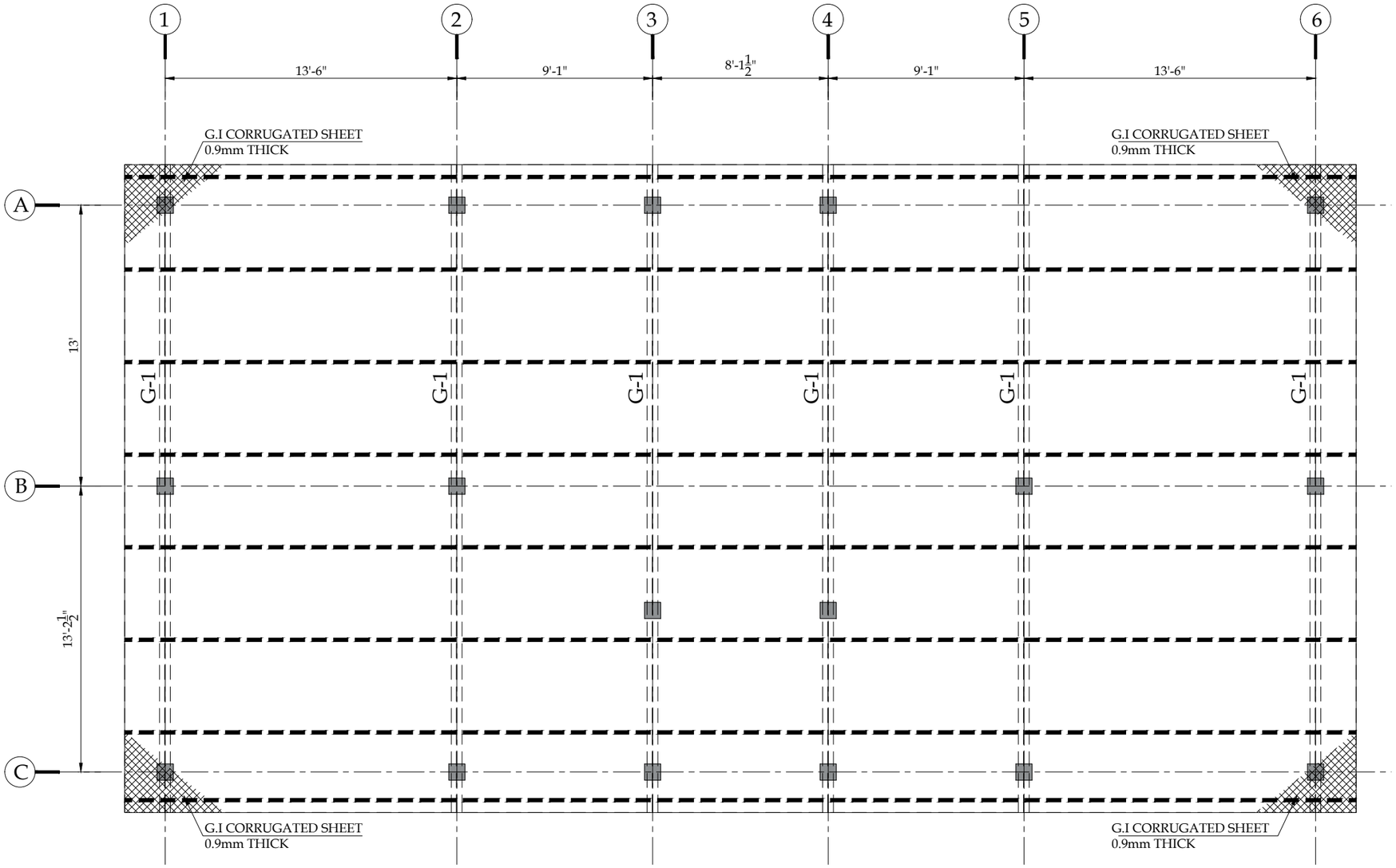



SECTION A-A



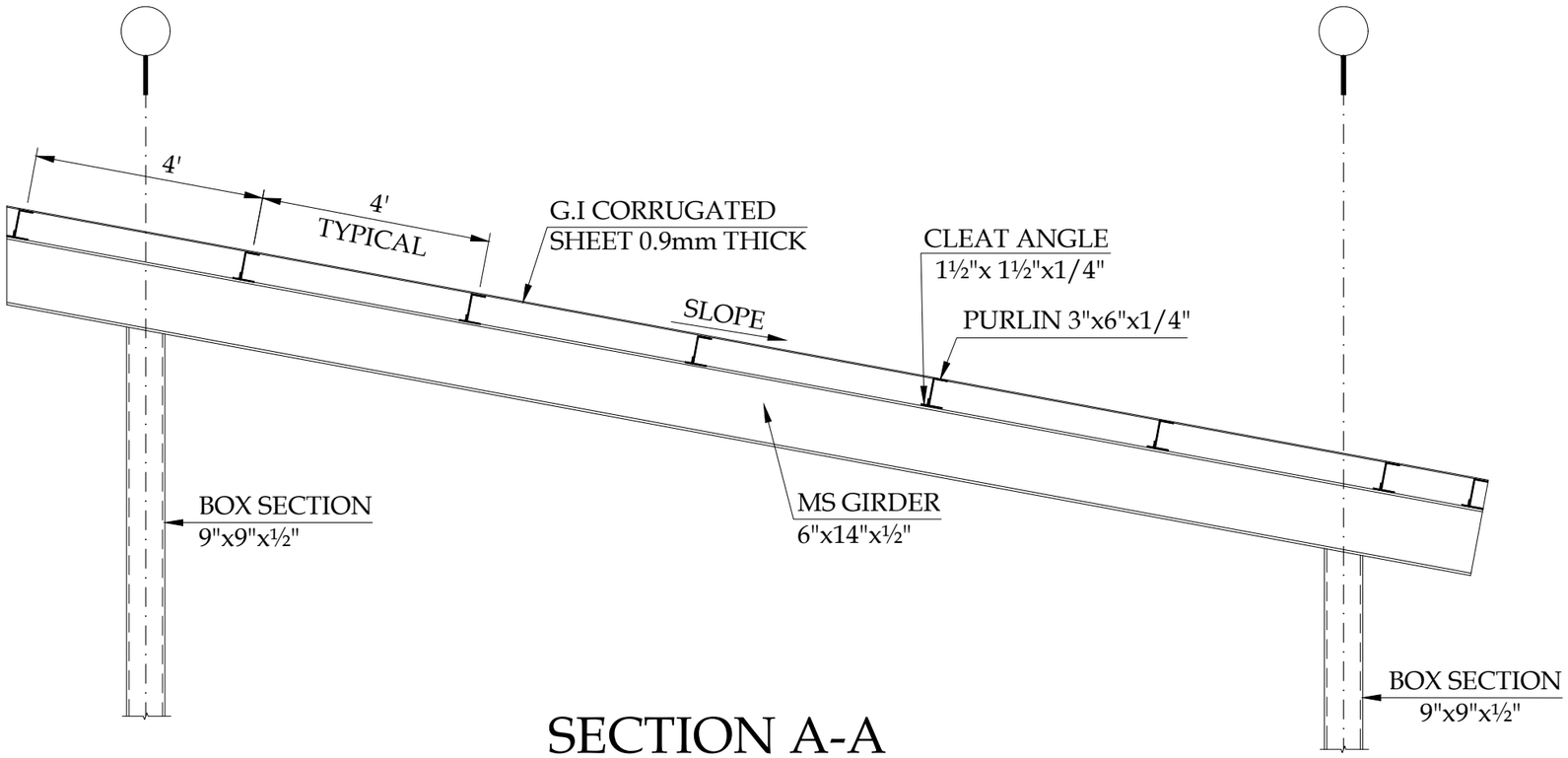

SECTION B-B

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | MEDICAL CENTER<br>FOUNDATION LAYOUT PLAN & SECTION DETAIL | STR-3701 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |



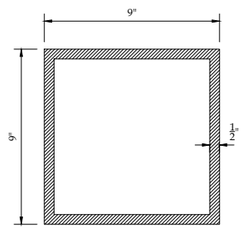

# MS ROOF FRAMING PLAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** MEDICAL CENTER | **DRAWING NO:** STR-3702 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | MS ROOF FRAMING PLAN | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | **SHEET:** A3 | | | | |
| | | | DATE: MARCH, 2025 | | | | | | |

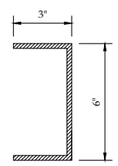



# SECTION A-A

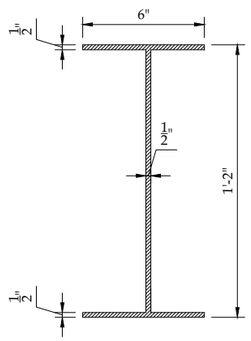
SCALE:- 1/4" = 1'-0"




BOX SECTION
9"x9"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"




GIRDER G-1
SCALE:- 1" = 6"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | DRAWING TITLE: MEDICAL CENTER | DRAWING NO: STR-3703 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | | | | |
| | | | APPROVED BY: SABIR HUSSAIN | TRUSS ELEVATION | SCALE: / SHEET: A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## ECO TOURISM GATE

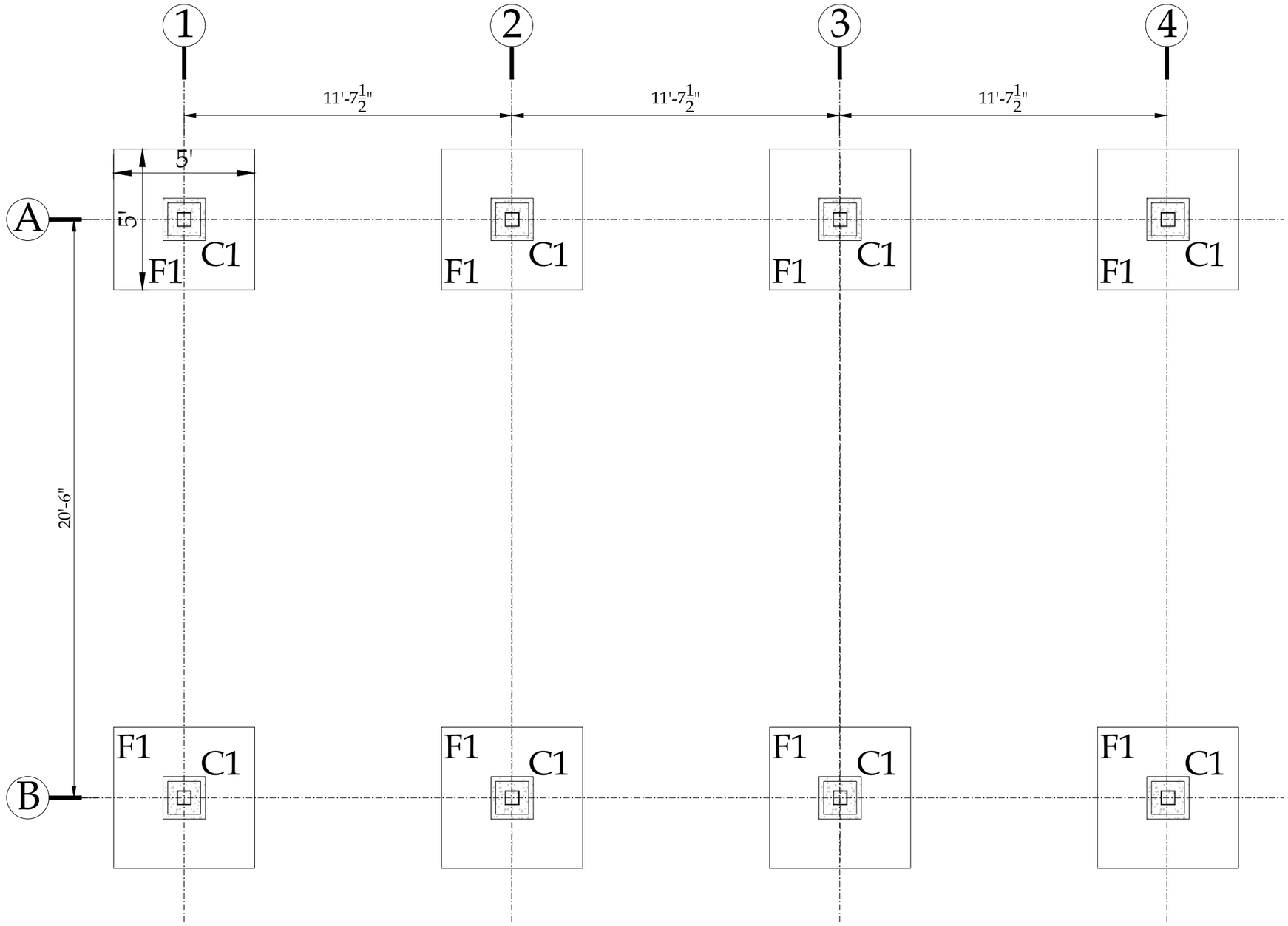
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

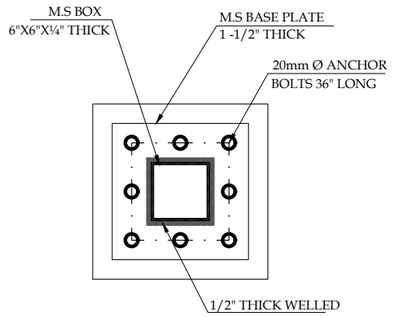
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

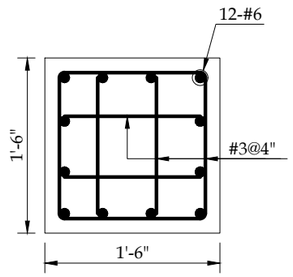



# FOUNDATION LAYOUT PLAN

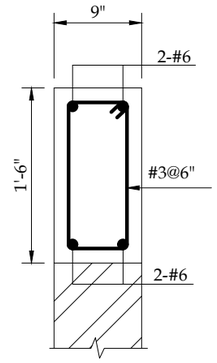
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | **DRAWING TITLE:** ECO TOURISM GATE<br>FOUNDATION LAYOUT PLAN | **DRAWING NO:** STR-3801<br>**SCALE:**<br>**SHEET:** A3 | REV. | DESCRIPTION | SIGN. | DATE |



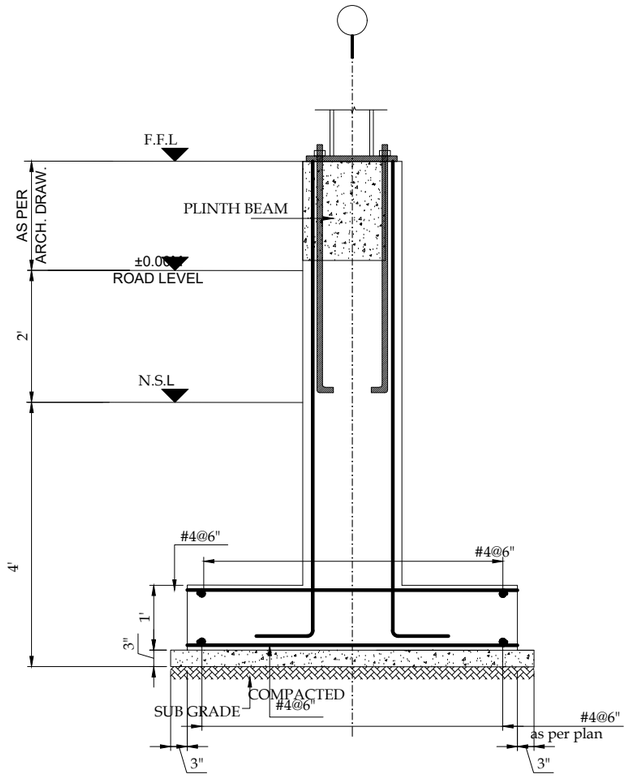

STEEL COLUMN AND BASE PLATE DETAILS




COLUMN C1

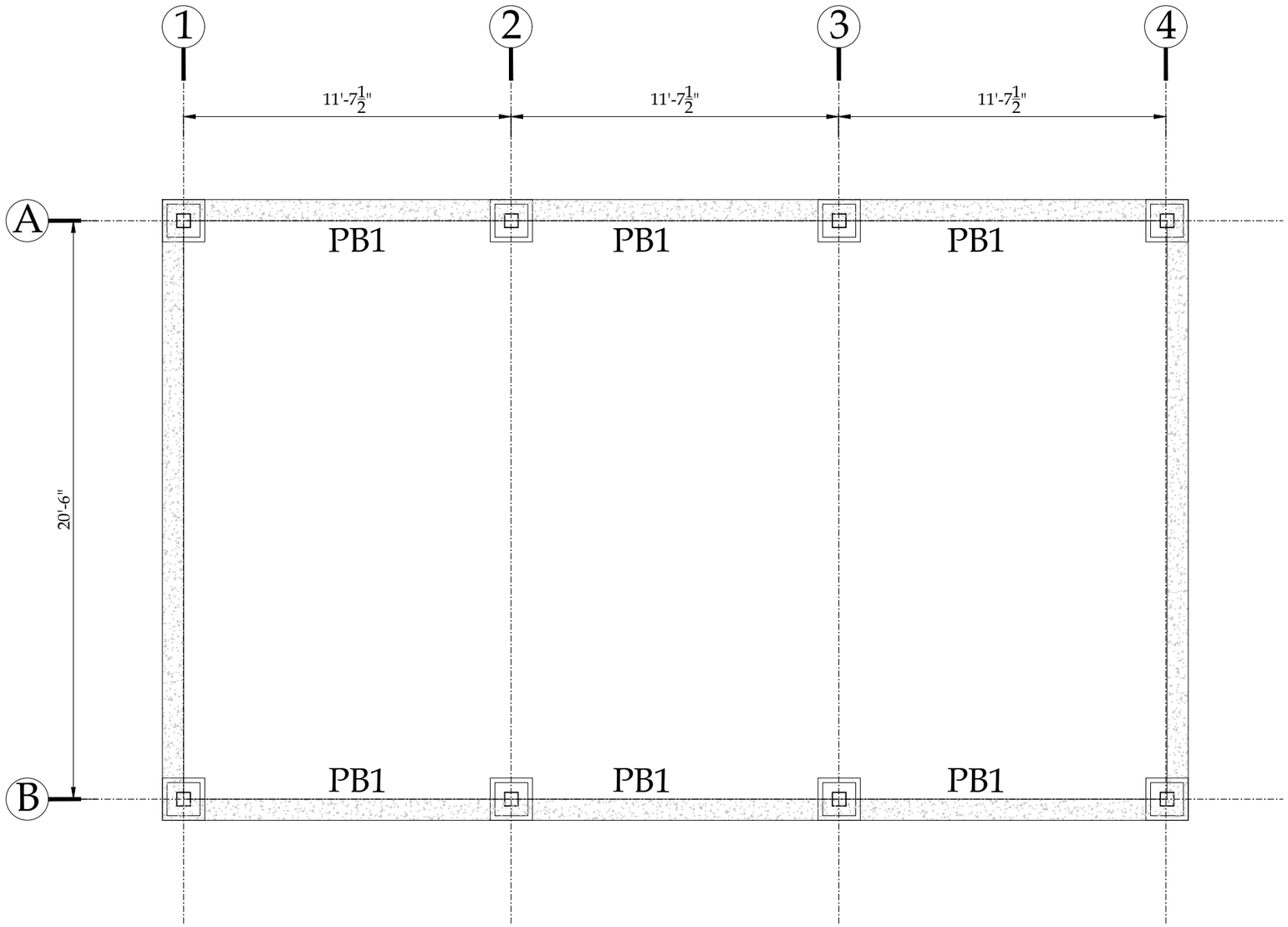



PLINTH BEAM
PB-1



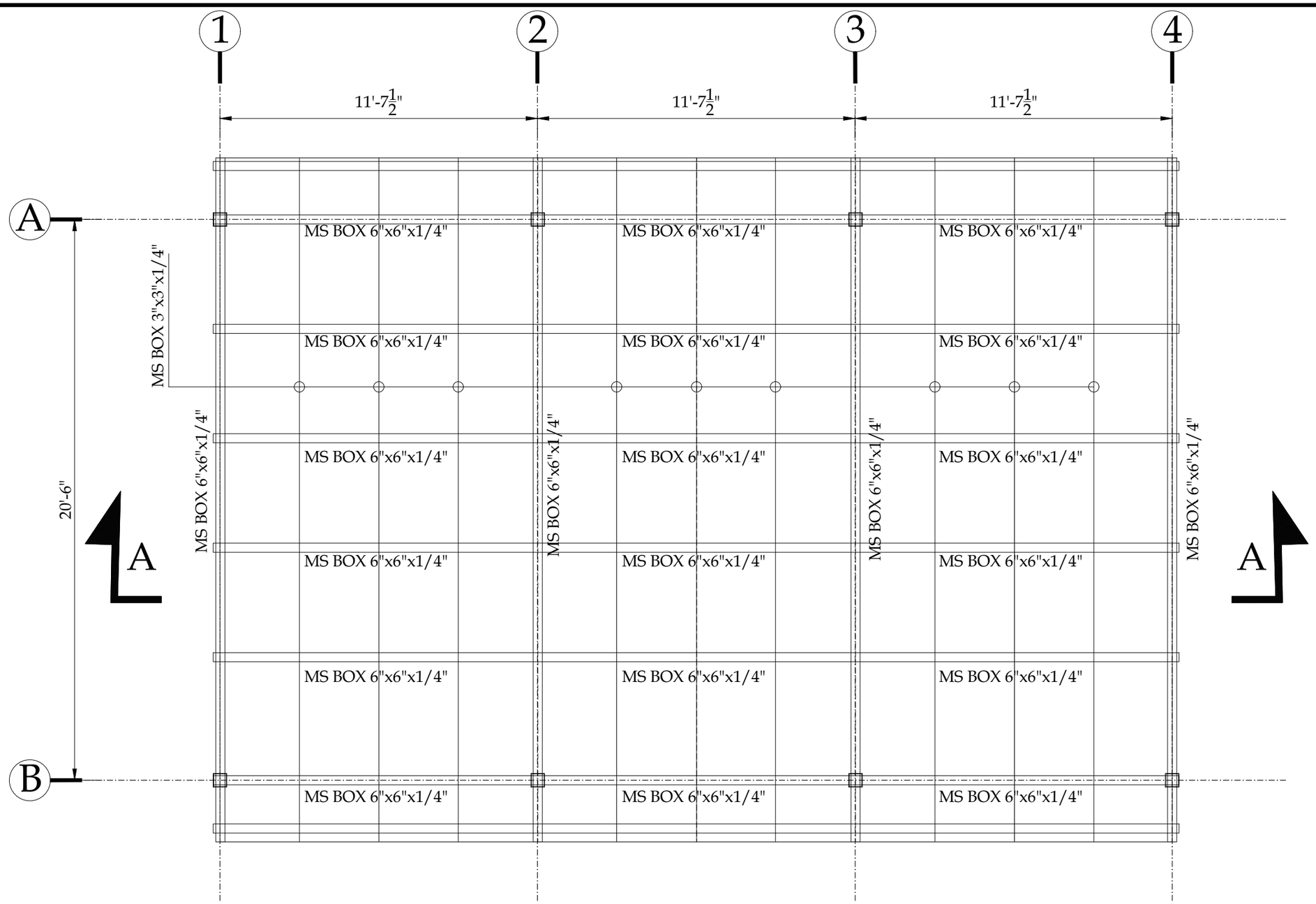

SECTION FOOTING F-1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ECO TOURISM GATE<br>FOUNDATION SECTION DETAILS | STR-3802 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |



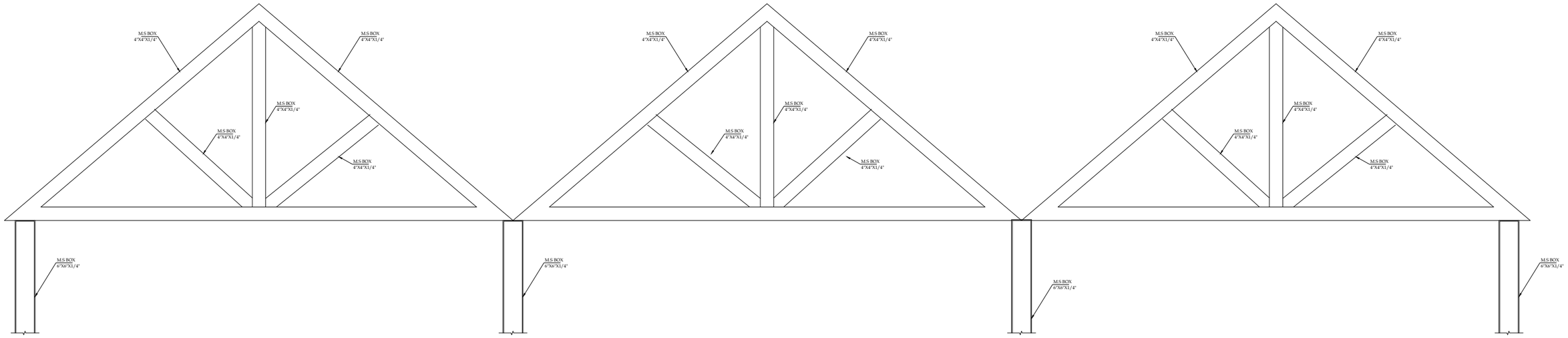

# PLINTH BEAM LAYOUT PLAN

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | **DRAWING TITLE:** ECO TOURISM GATE<br>PLINTH BEAM LAYOUT PLAN | **DRAWING NO:** STR-3803<br>**SCALE:**<br>**SHEET:** A3 | REV. | DESCRIPTION<br>2302 | SIGN. | DATE |




# BRACING BEAMS LAYOUT PLAN AT EVERY 8' FROM PLINTH LEVEL TO +24'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | **DRAWING TITLE:** ECO TOURISM GATE<br>BRACING BEAMS LAYOUT PLAN AT EVERY 8' FROM PLINTH LEVEL TO +24'-0" | **DRAWING NO:** STR-3804<br>**SCALE:**<br>**SHEET:** A3 | REV. / DESCRIPTION / SIGN. / DATE | | |




# SECTION A-A

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ECO TOURISM GATE<br>TRUSS ELEVATION | STR-3805 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## CORPORATE BOARD MEETING ROOM FOR MEETING

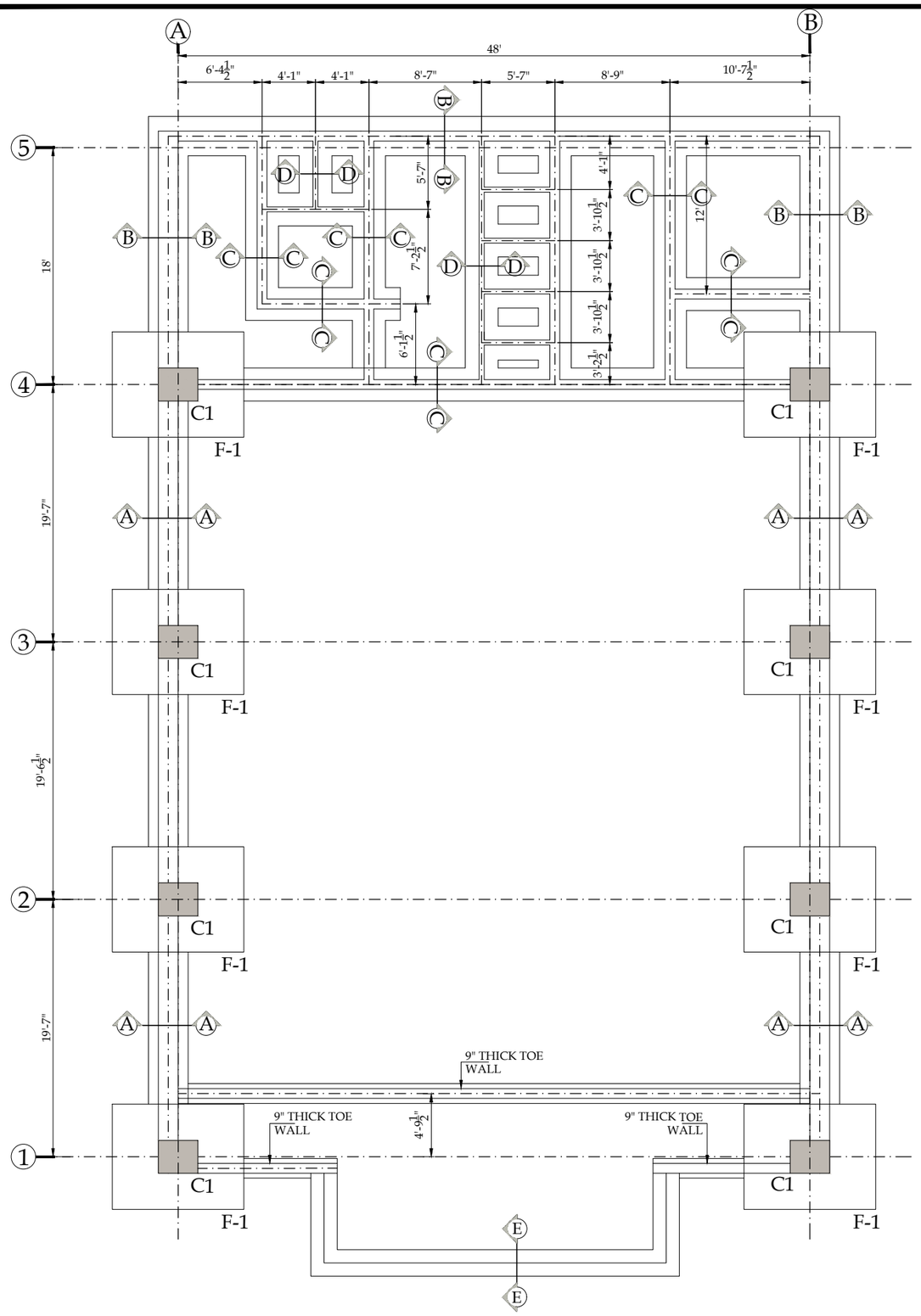
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

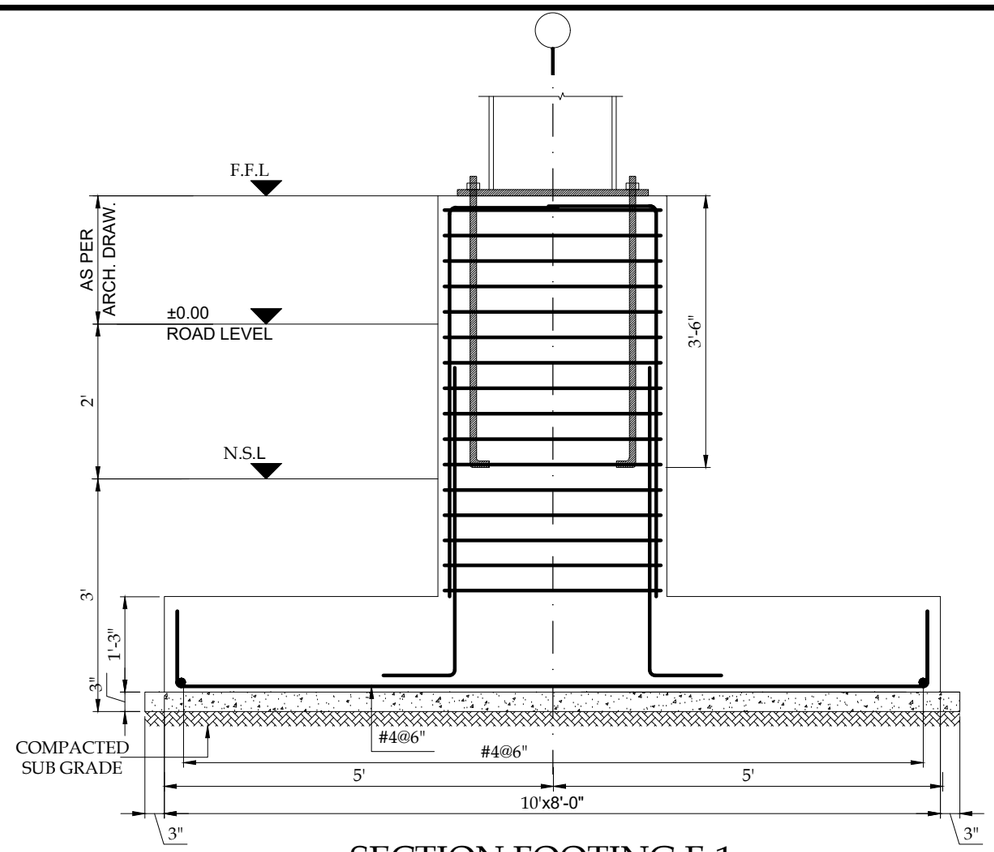
**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

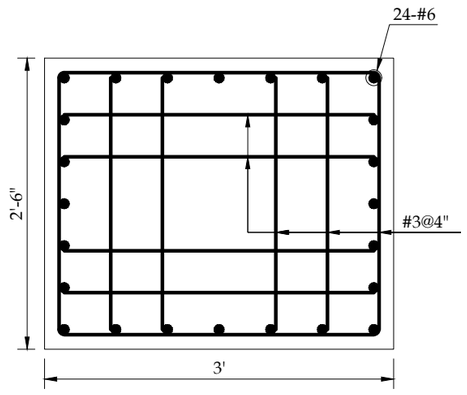
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



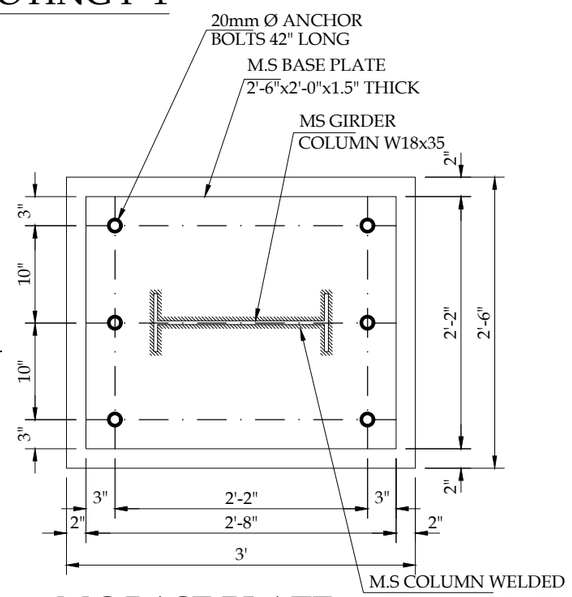

FOUNDATION LAYOUT PLAN




SECTION FOOTING F-1

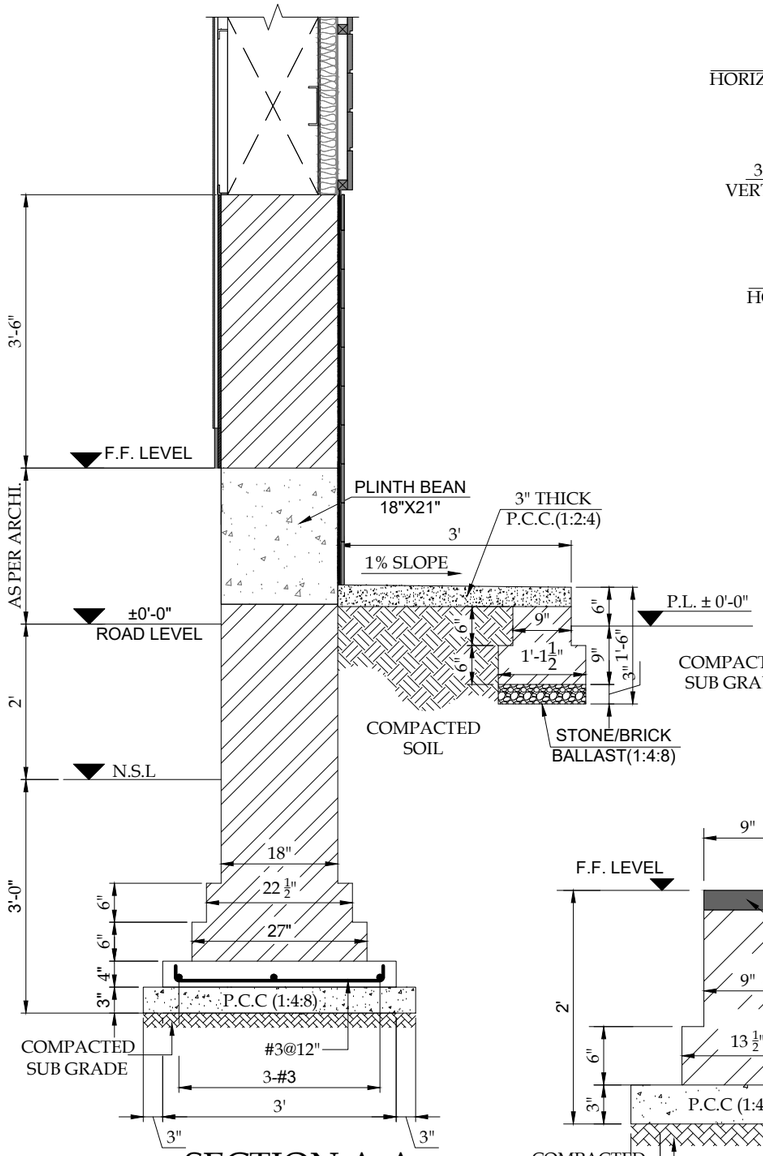



COLUMN C1

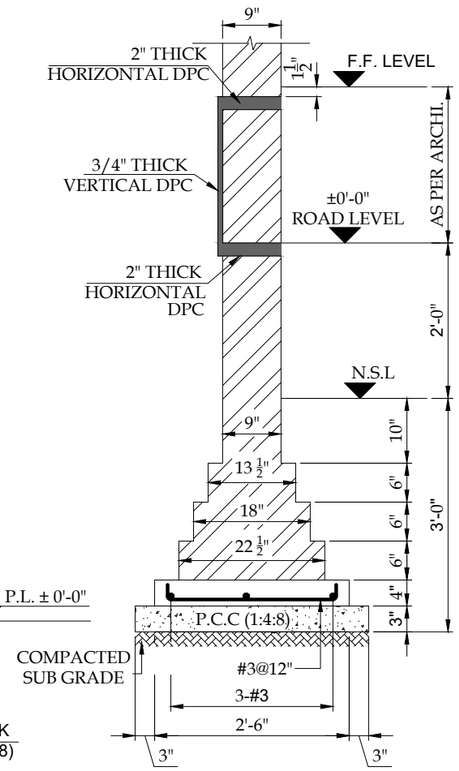



M.S BASE PLATE FOR COLUMN C1

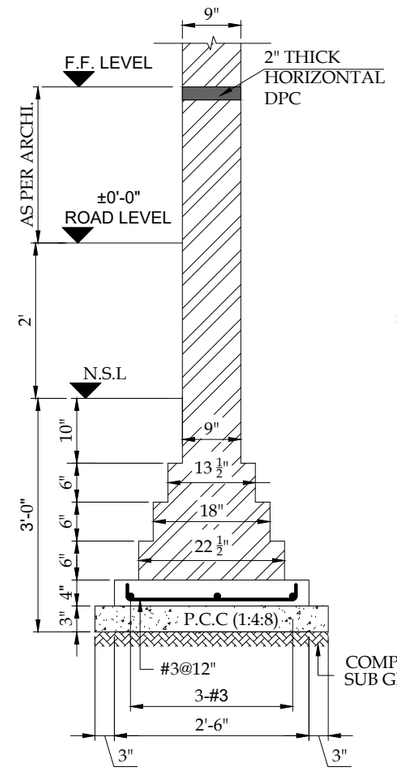
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | **DRAWING TITLE:** CORPORATE BOARD MEETING ROOM FOR MEETING<br>FOUNDATION LAYOUT PLAN & SECTION DETAILS | **DRAWING NO:** STR-4001<br>**SCALE:**<br>**SHEET:** A3 | REV. / DESCRIPTION | SIGN. | DATE |



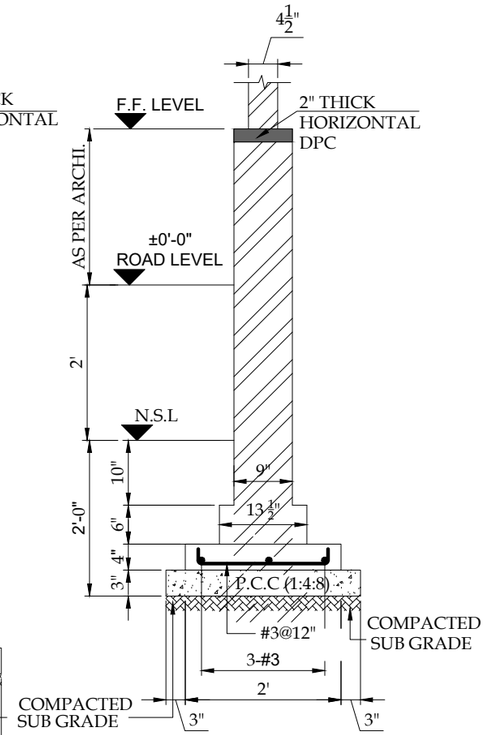

SECTION A-A



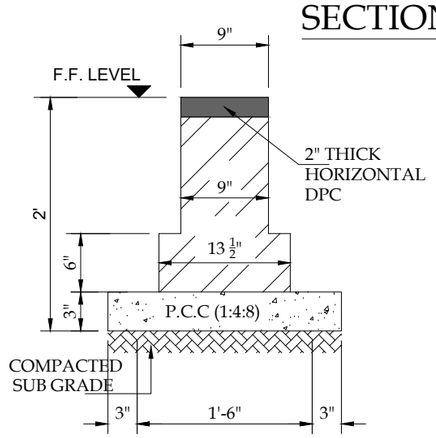

SECTION B-B



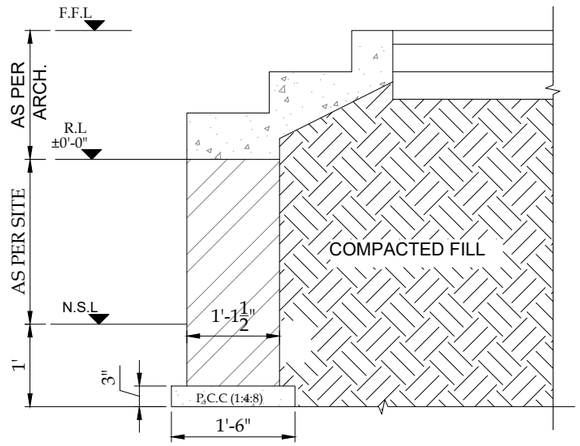

SECTION C-C



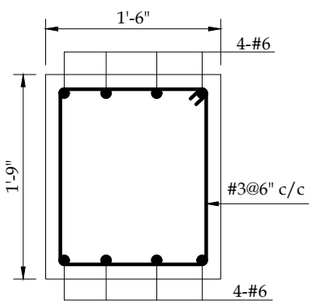

SECTION D-D




TOE WALL FOOTING
X-SECTION

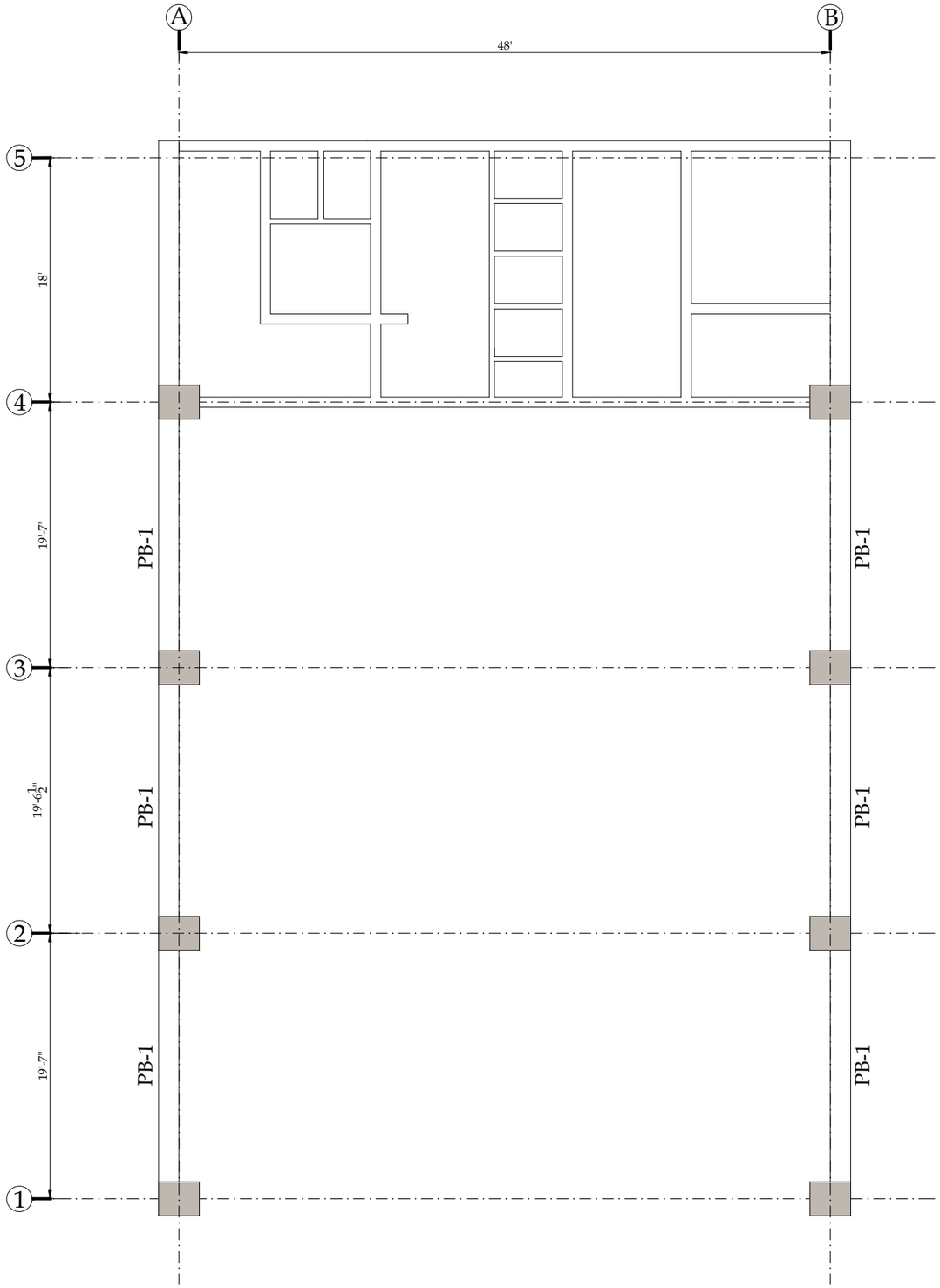



SECTION E-E

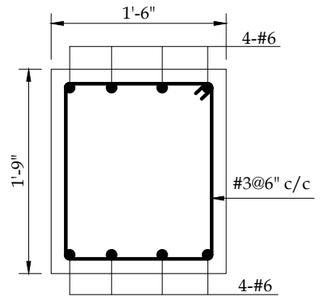



PLINTH BEAM
PB-1

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | CORPORATE BOARD MEETING ROOM FOR MEETING<br>FOUNDATION SECTION DETAILS | STR-4002<br>SCALE:<br>SHEET: A3 | | | | |

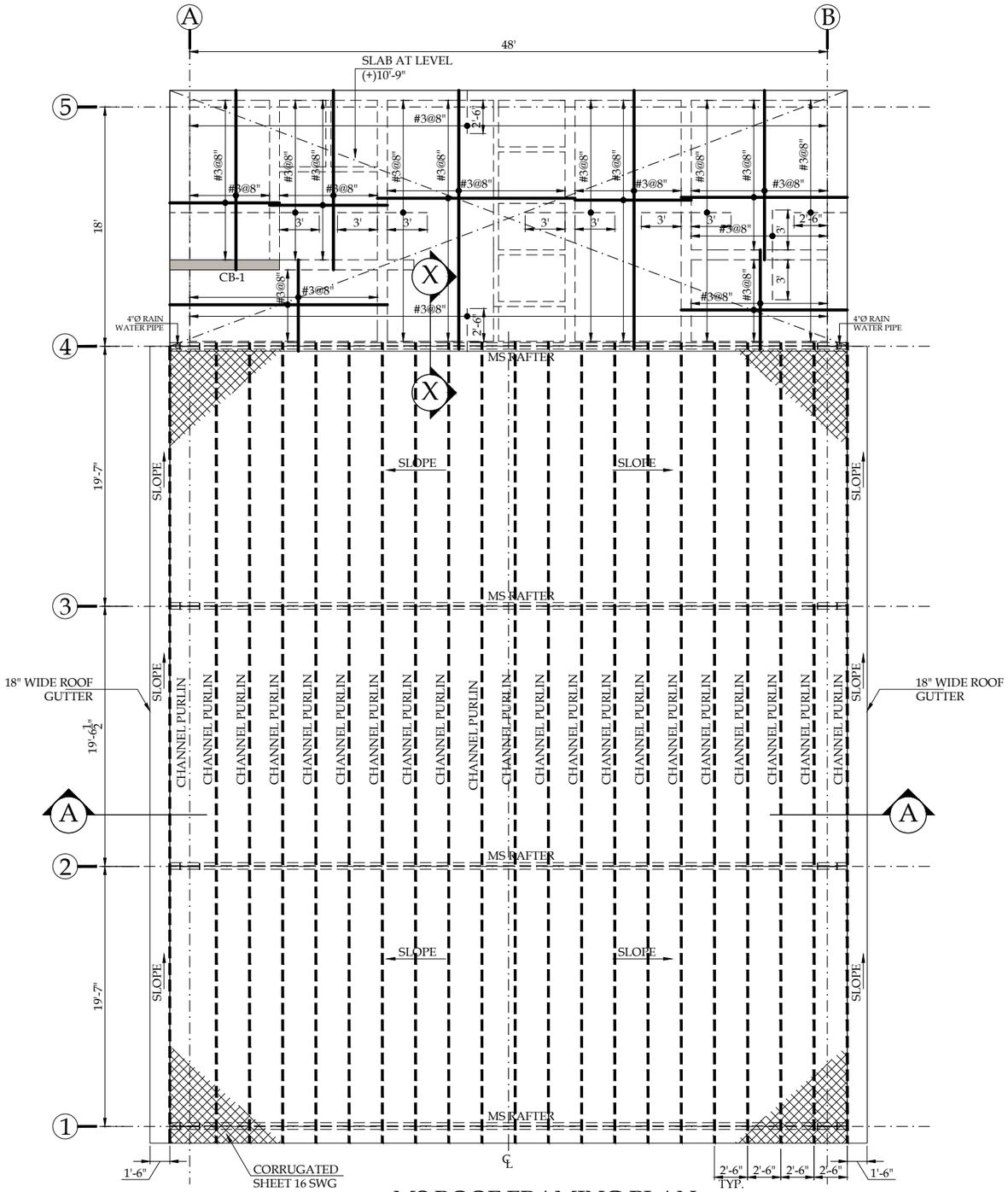



PLINTH BEAM LAYOUT PLAN

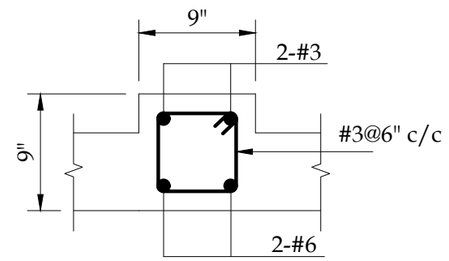



PLINTH BEAM
PB-1

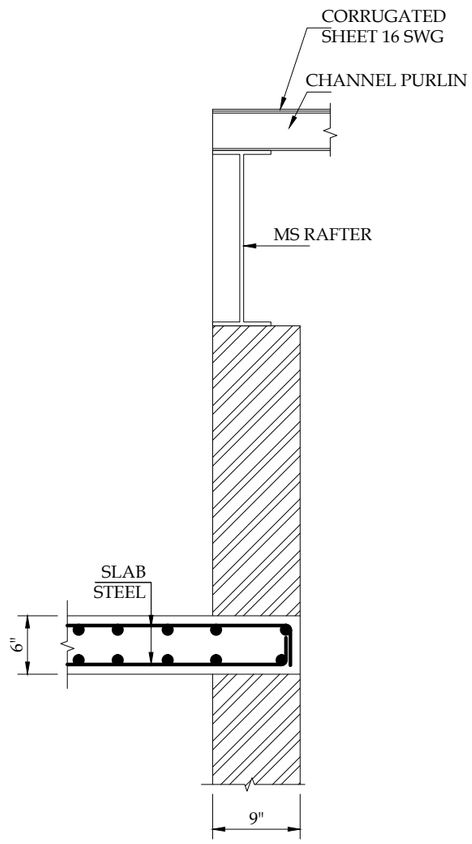
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | CORPORATE BOARD MEETING ROOM FOR MEETING<br>PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-4003<br>SCALE:<br>SHEET: A3 | | | | |




## MS ROOF FRAMING PLAN




## BEAM CB-1

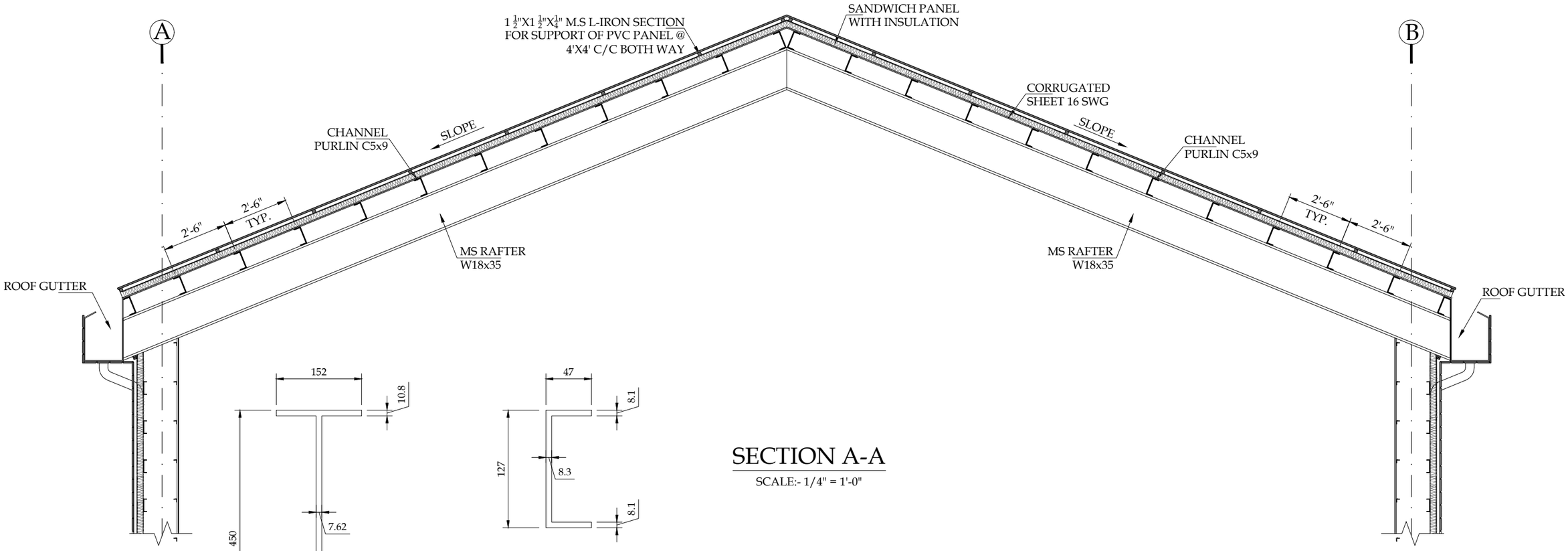


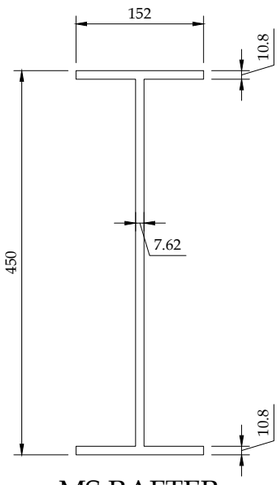

## SECTION X-X

## NOTE:

1. THICKNESS OF ALL SLABS IS 6" UNLESS OTHERWISE NOTED.
2. DISTRIBUTION TOP BARS #3@12"c/c.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | DRAWING TITLE: CORPORATE BOARD MEETING ROOM FOR MEETING<br>MS ROOF FRAMING PLAN & SECTION DETAIL | DRAWING NO: STR-4004<br>SCALE:<br>SHEET: A3 | REV. / DESCRIPTION | SIGN. / DATE |




MS RAFTER
SECTION W18x35




MS CHANNEL
PURLIN
SECTION C5x9

## SECTION A-A

SCALE:- 1/4" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | DRAWING TITLE: CORPORATE BOARD MEETING ROOM FOR MEETING<br>ROOF SECTION DETAIL | DRAWING NO: STR-4005<br>SCALE:<br>SHEET: A3 | REV. | DESCRIPTION | SIGN. | DATE |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## ECO LODGES SINGLE BED

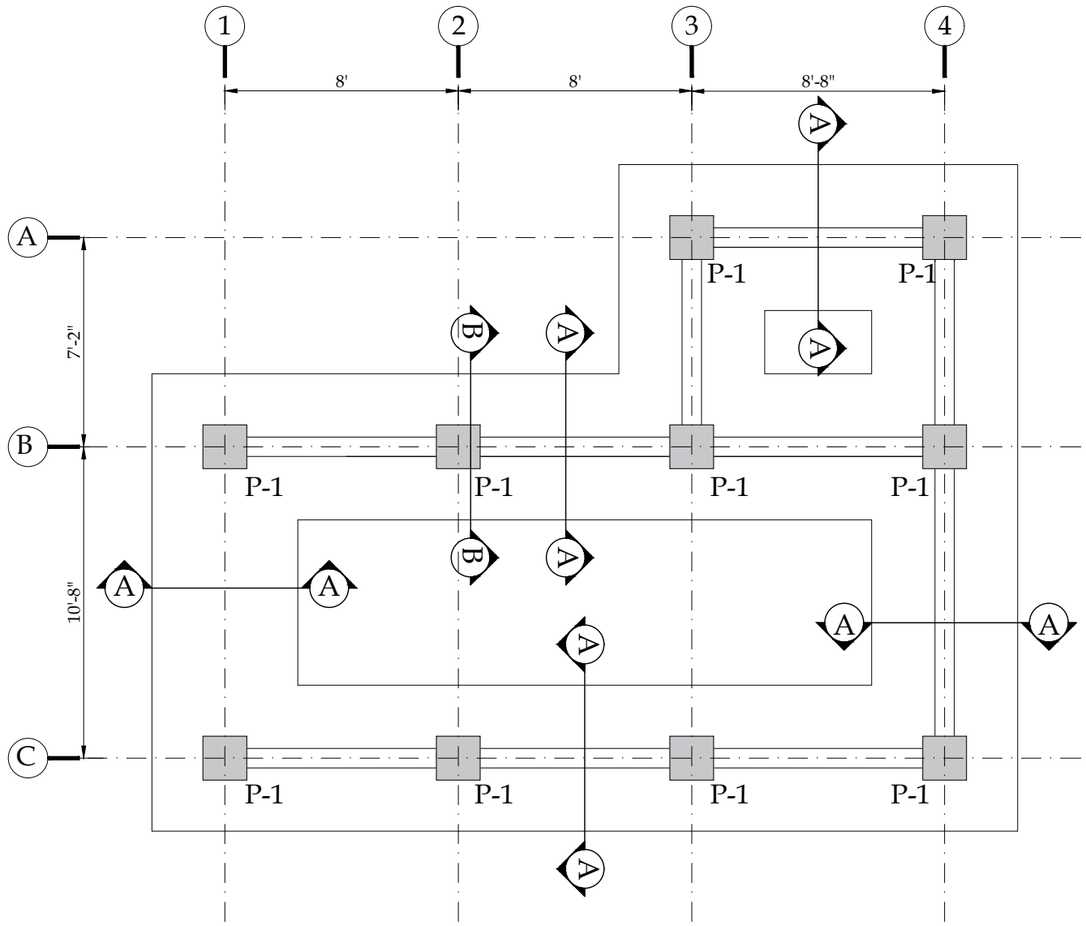
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

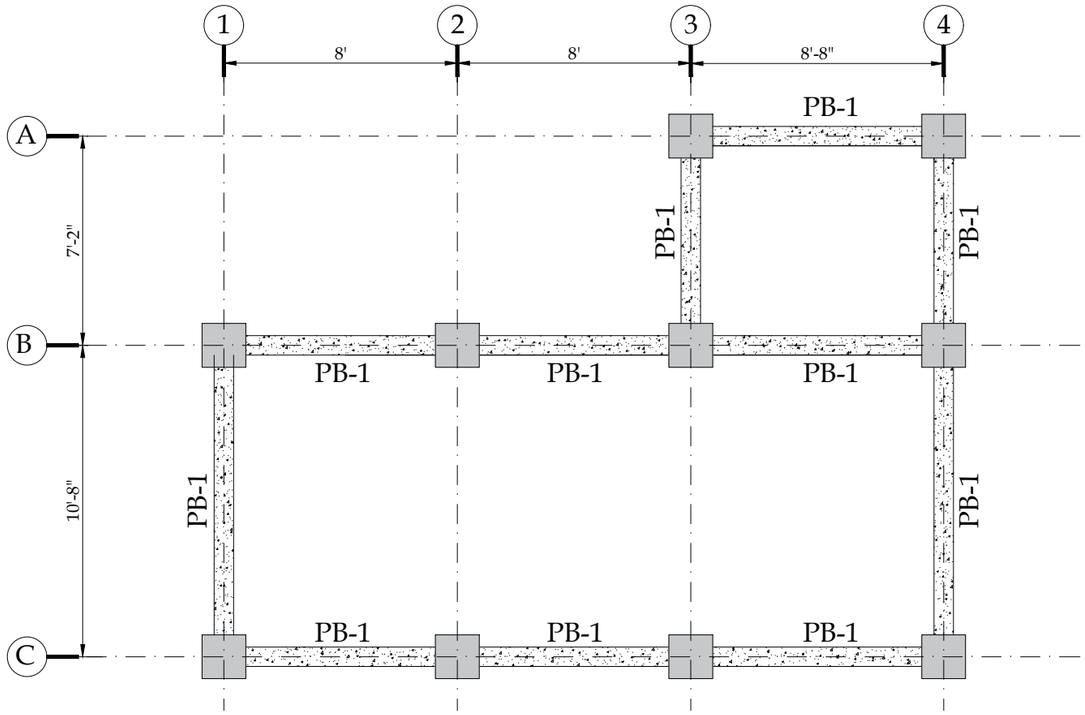
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



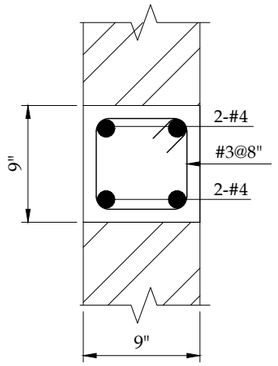

## FOUNDATION LAYOUT PLAN

SCALE:- 3/16" = 1'-0"




## PLINTH BEAM LAYOUT PLAN

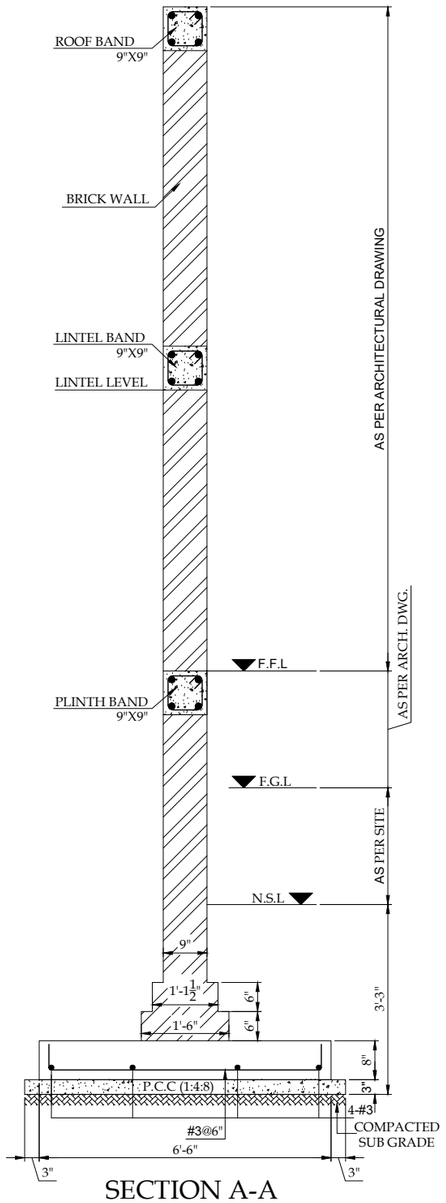
SCALE:- 3/16" = 1'-0"




## PLINTH BAND PB1

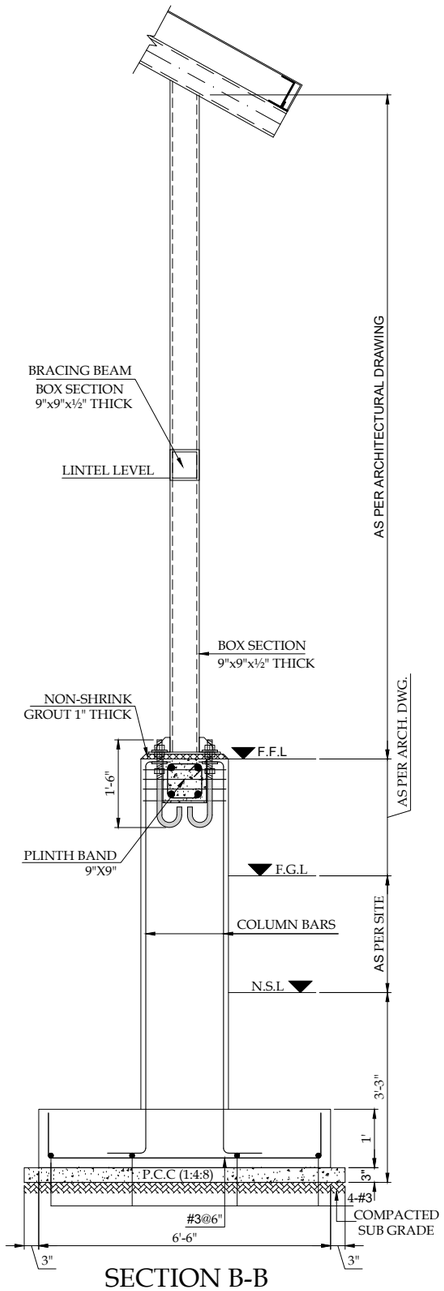
SCALE:- 1" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | ECO LOGES SINGLE BED<br>FOUNDATION LAYOUT PLAN & PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | STR-4201<br>SCALE:<br>SHEET: A3 | | | | |



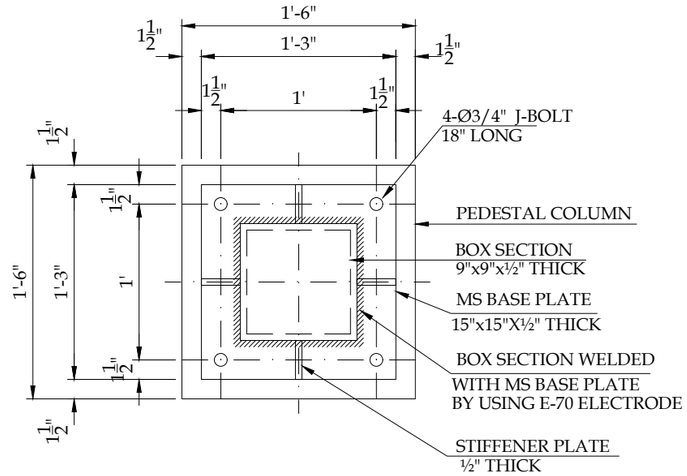

SECTION A-A

SCALE:- 3/8" = 1'-0"



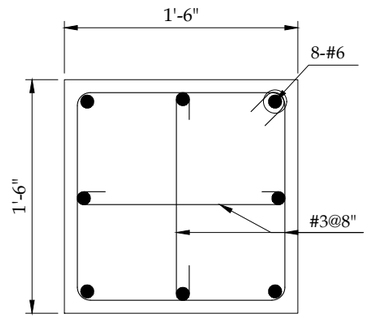

SECTION B-B

SCALE:- 3/8" = 1'-0"



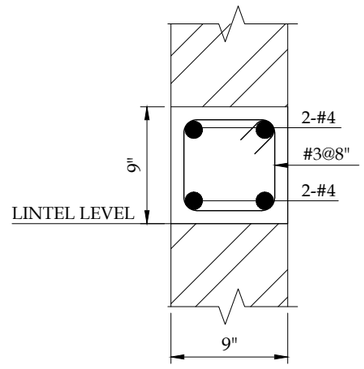

MS BASE PLATE DETAIL

SCALE:- 1" = 1'-0"




PEDESTAL P-1

SCALE:- 1" = 1'-0"



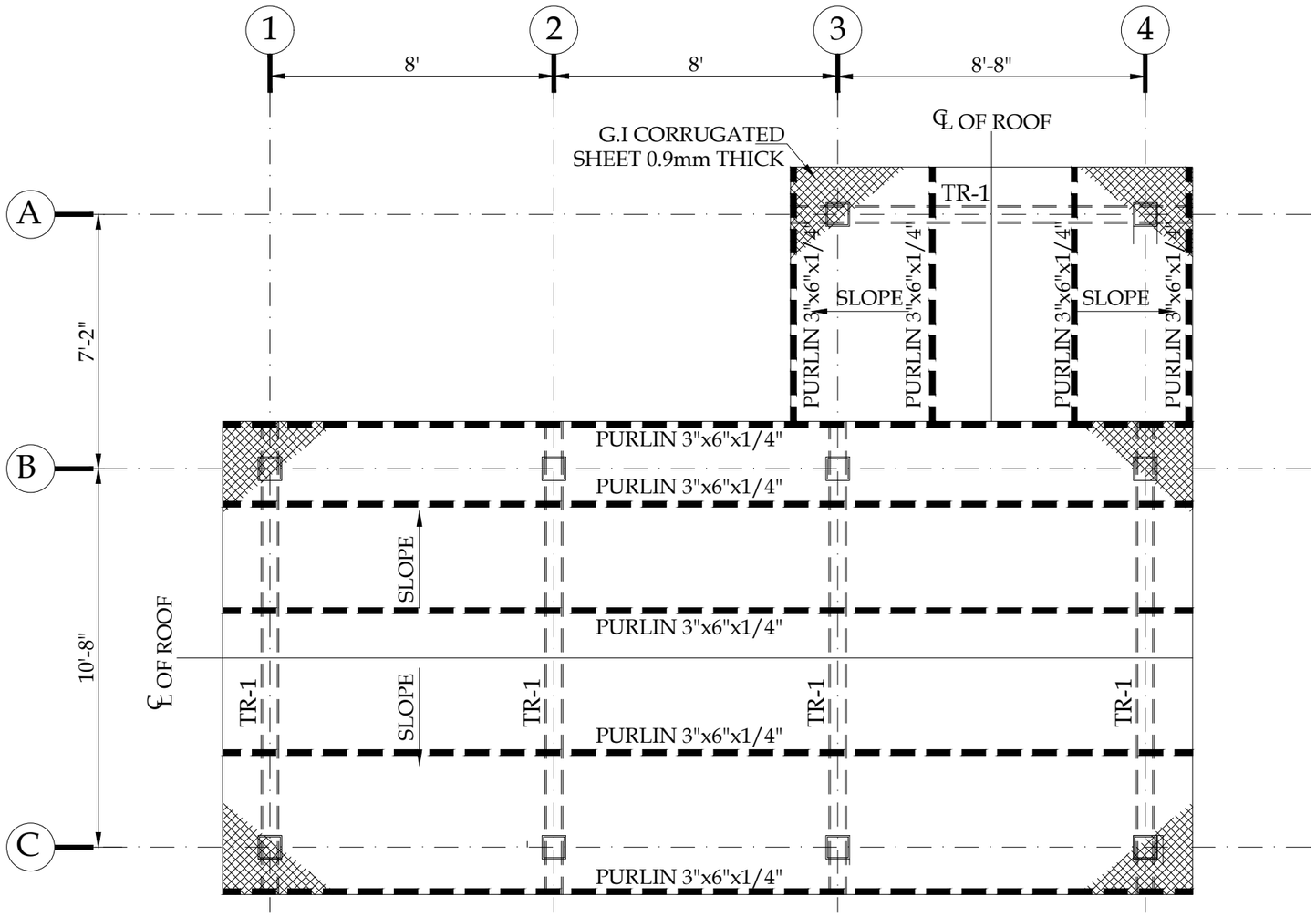

LINTEL BAND

SCALE:- 1" = 1'-0"

| | | | |
|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 |

| DRAWING TITLE: | DRAWING NO: | SCALE: | SHEET: |
|---|---|---|---|
| ECO LOGES SINGLE BED<br>FOUNDATION SECTION DETAILS | STR-4202 | | A3 |

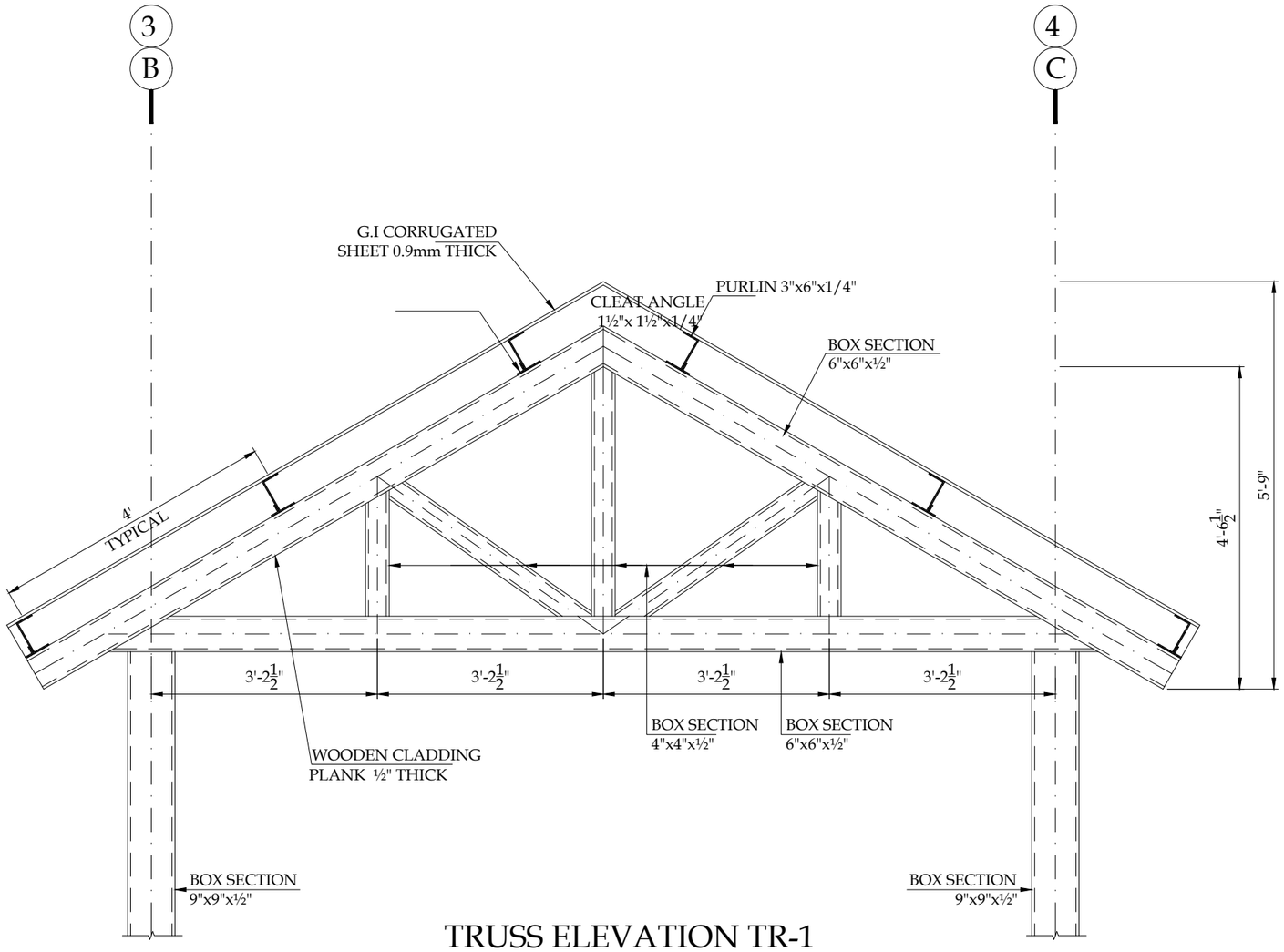
| REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|
| | | | |




# TRUSS ROOF FRAMING PLAN

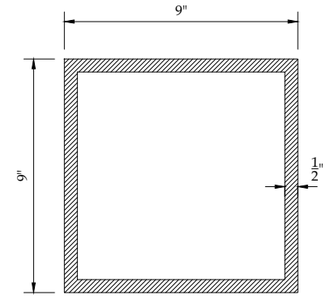
SCALE:- 3/16" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ECO LOGES SINGLE BED<br>TRUSS ROOF FRAMING PLAN | STR-4203 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

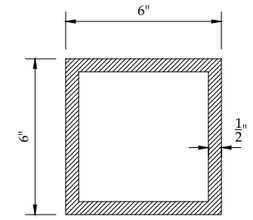



TRUSS ELEVATION TR-1

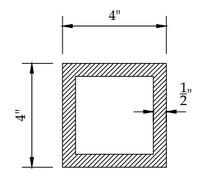
SCALE:- 1/2" = 1'-0"



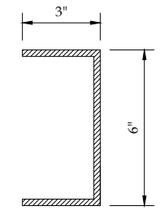

BOX SECTION
9"x9"x½"
SCALE:- 1" = 4"




BOX SECTION
6"x6"x½"
SCALE:- 1" = 4"




BOX SECTION
4"x4"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | ECO LOGES SINGLE BED<br>TRUSS ELEVATION & SECTION DETAILS | STR-4204<br>SCALE:<br>SHEET: A3 | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## ECO LODGES DOUBLE BED

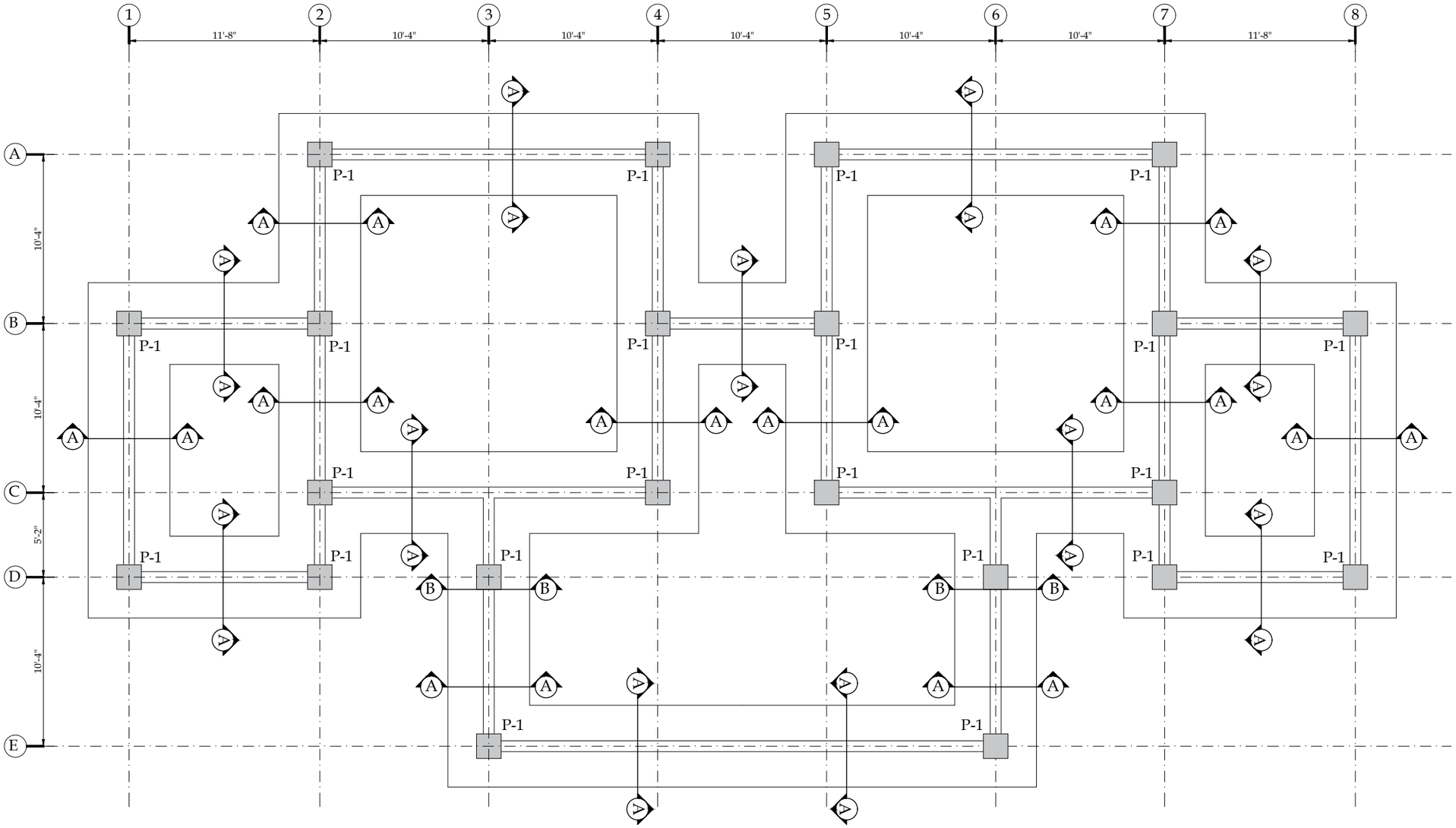
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

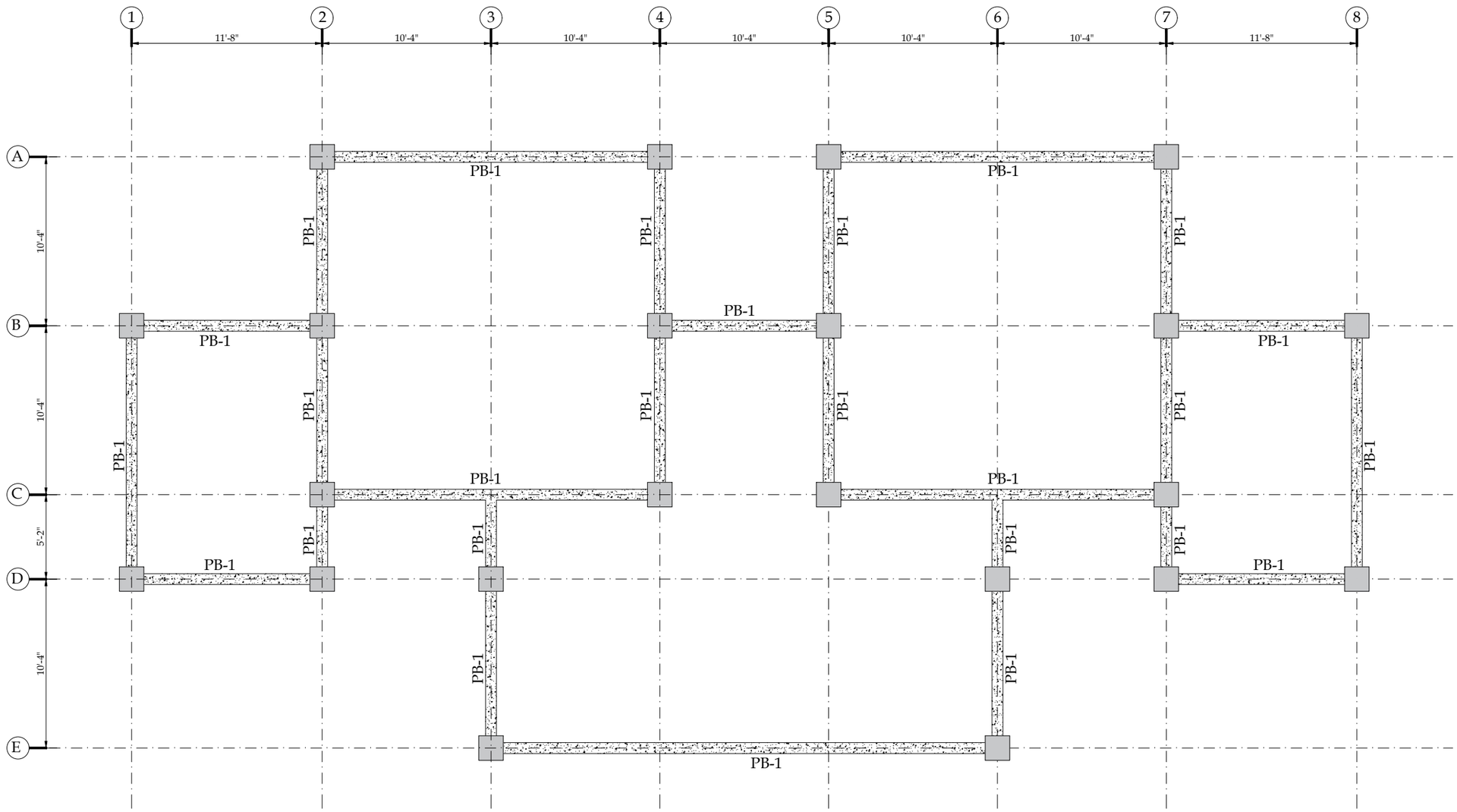
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# FOUNDATION LAYOUT PLAN

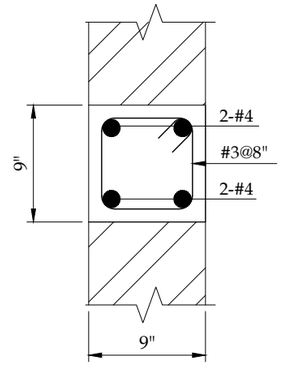
SCALE:- 3/16" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ECO-LODGES DOUBLE BED<br>FOUNDATION LAYOUT PLAN | STR-4301 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |




## PLINTH BEAM LAYOUT PLAN

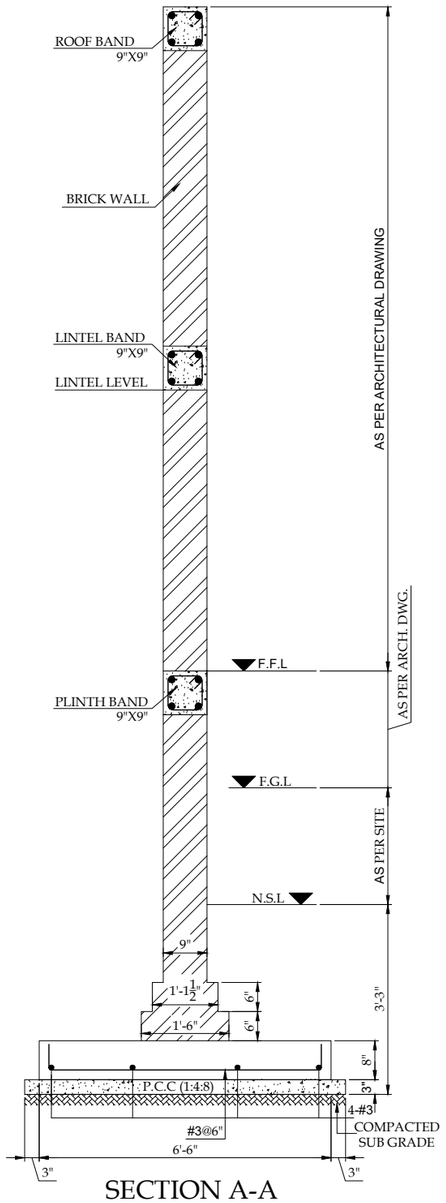
SCALE:- 3/16" = 1'-0"




## PLINTH BAND PB1

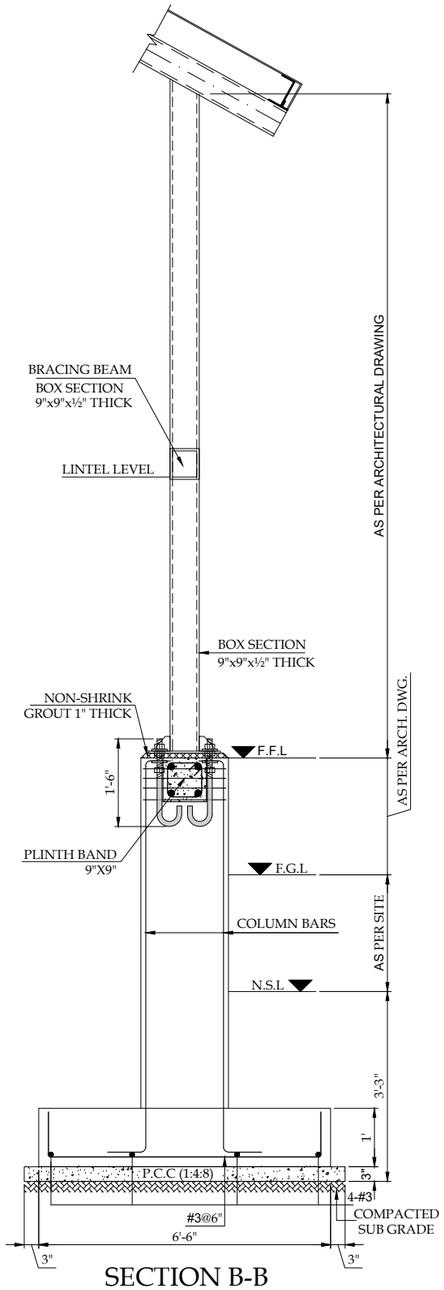
SCALE:- 1" = 1'-0"

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | DRAWING TITLE: ECO-LODGE DOUBLE BED | DRAWING NO: STR-4302 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | | | | | |
| | | | CHECKED BY: NAVEED NAZ | | SCALE: | SHEET: A3 | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | | |
| | | | DATE: MARCH, 2025 | | | | | | |



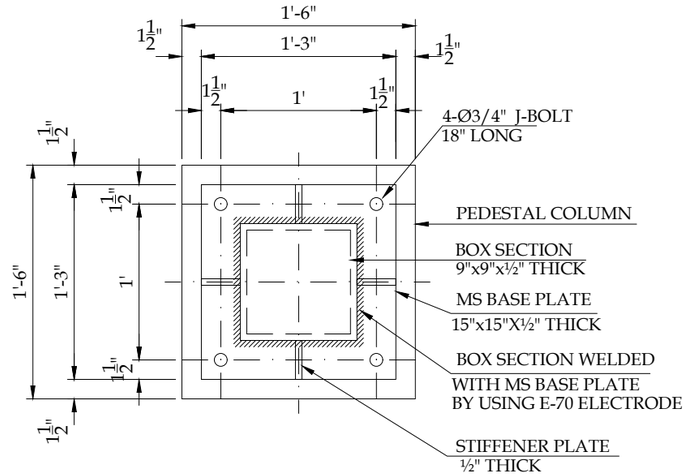

SECTION A-A

SCALE:- 3/8" = 1'-0"



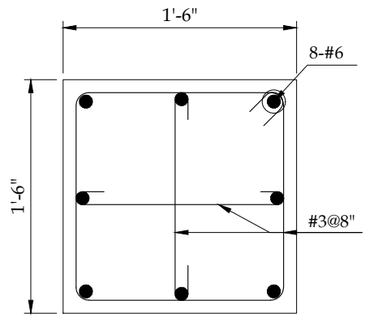

SECTION B-B

SCALE:- 3/8" = 1'-0"



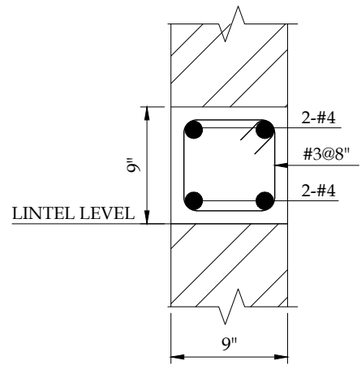

MS BASE PLATE DETAIL

SCALE:- 1" = 1'-0"




PEDESTAL P-1

SCALE:- 1" = 1'-0"

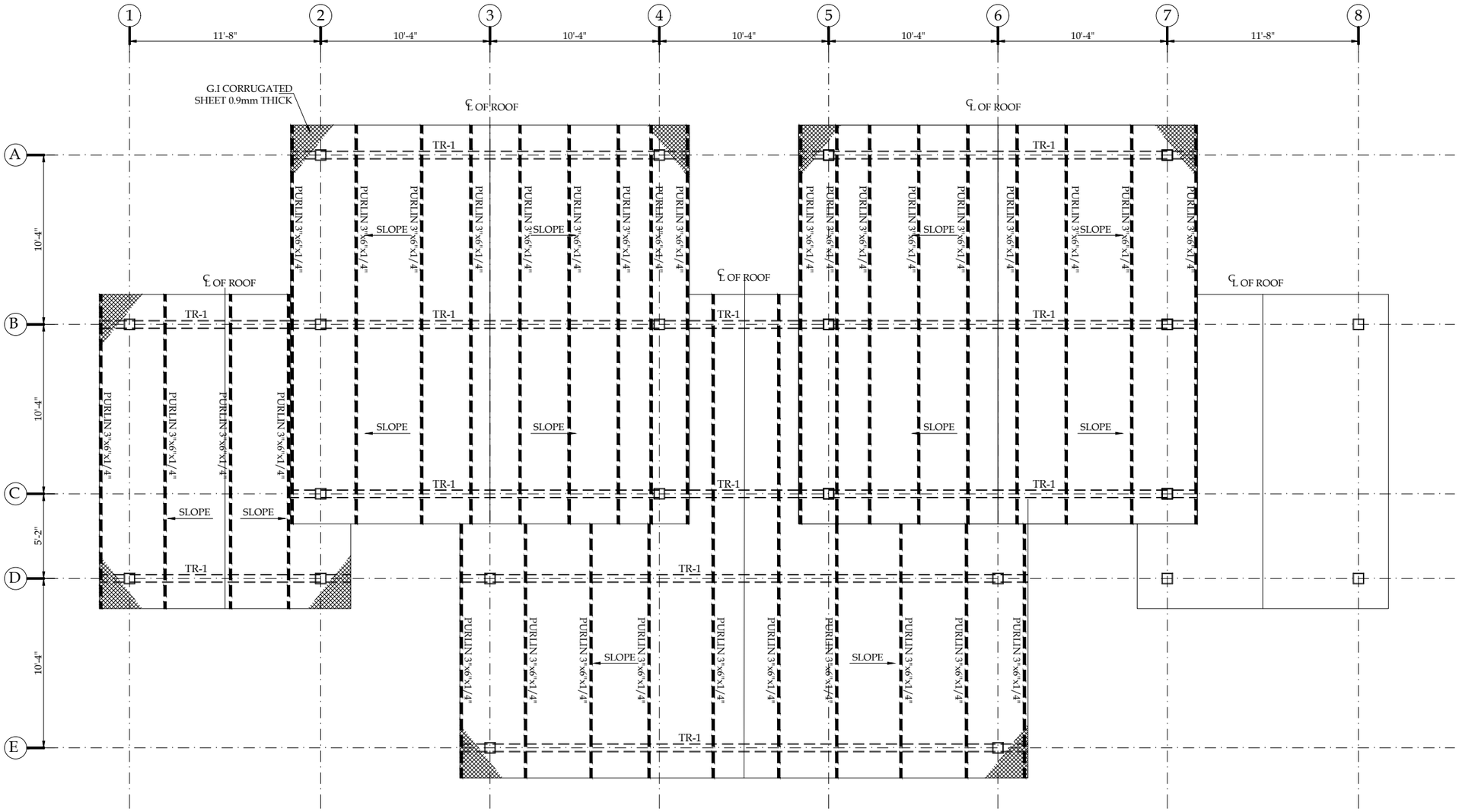



LINTEL BAND

SCALE:- 1" = 1'-0"

| | | | |
|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 |

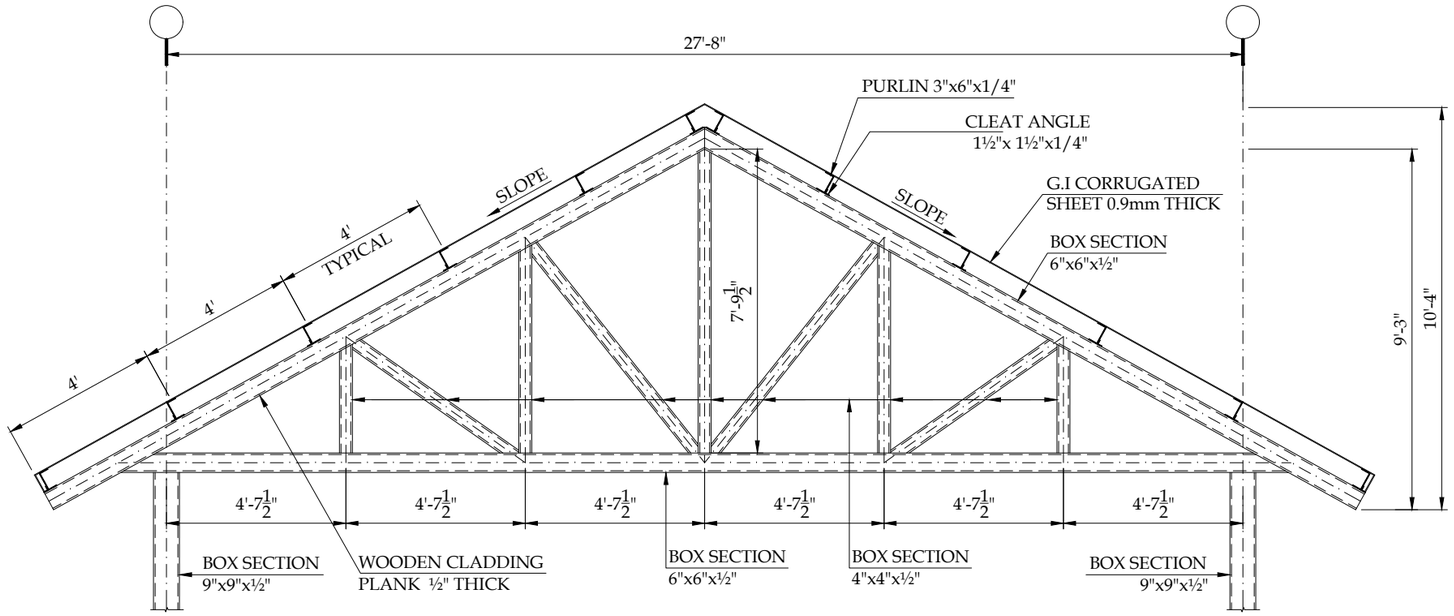
| DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|
| **ECO-LODGES DOUBLE BED**<br>FOUNDATION SECTION DETAILS | STR-4303 | | | | | |
| | SCALE: | SHEET: A3 | | | | |




# TRUSS ROOF FRAMING PLAN

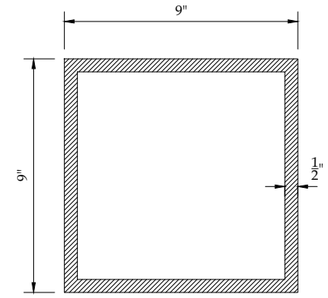
SCALE:- 3/16" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ECO-LODGES DOUBLE BED<br>TRUSS ROOF FRAMING PLAN | STR-4303 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | A3 | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |



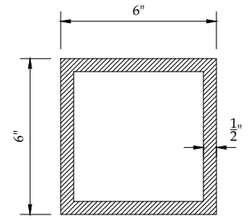

## TRUSS ELEVATION TR-1

SCALE:- 1/4" = 1'-0"



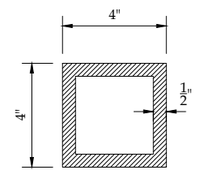

## BOX SECTION
## 9"x9"x½"

SCALE:- 1" = 4"



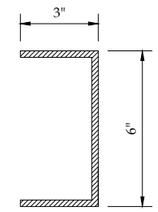

## BOX SECTION
## 6"x6"x½"

SCALE:- 1" = 4"




## BOX SECTION
## 4"x4"x½"

SCALE:- 1" = 4"




## PURLIN
## 3"x6"x1/4"

SCALE:- 1" = 4"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ECO-LODGES DOUBLE BED | STR-4204 | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | TRUSS ELEVATION & SECTION DETAILS | SCALE: / SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

ECO TOURISM CLUB

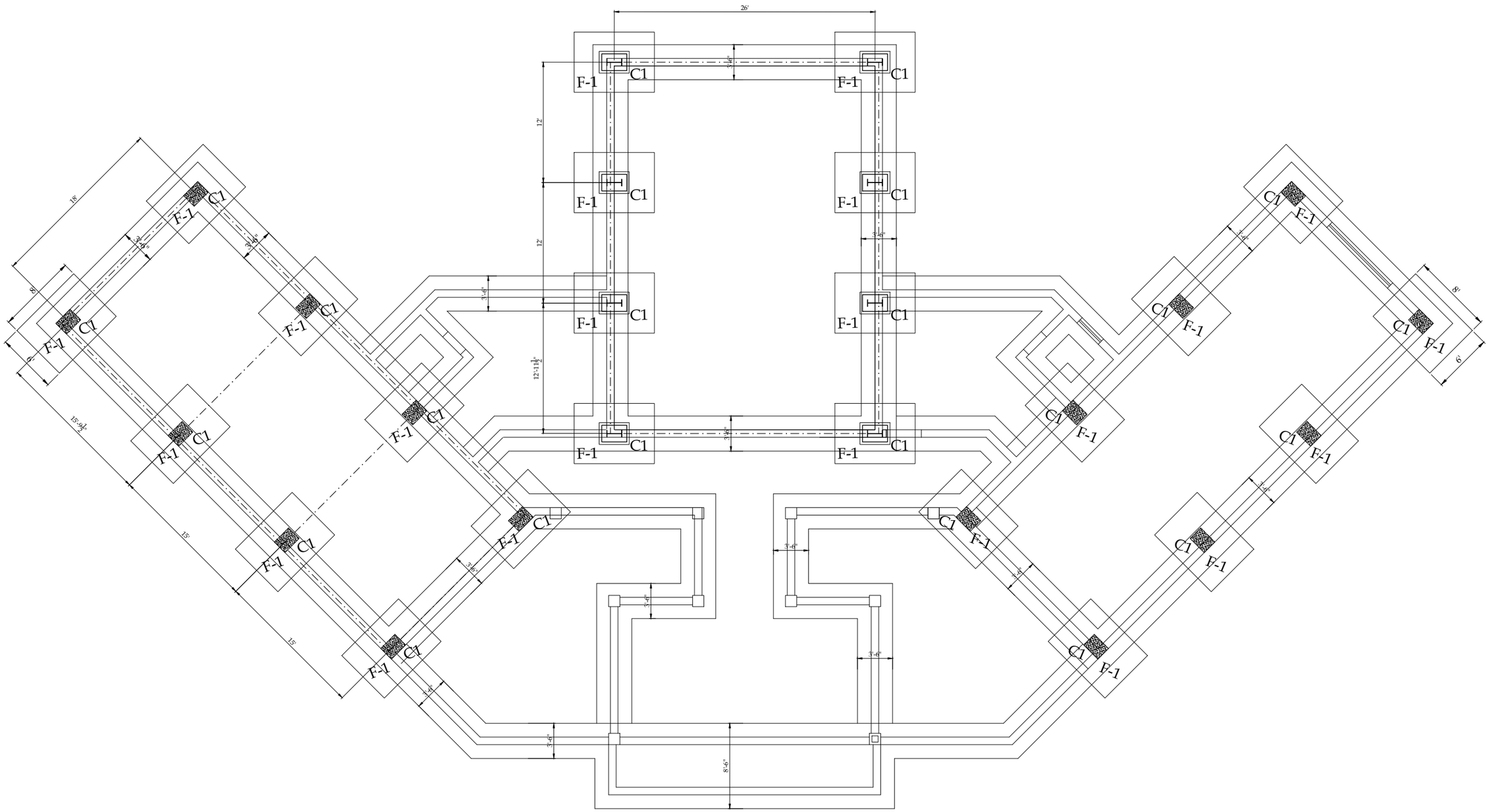
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

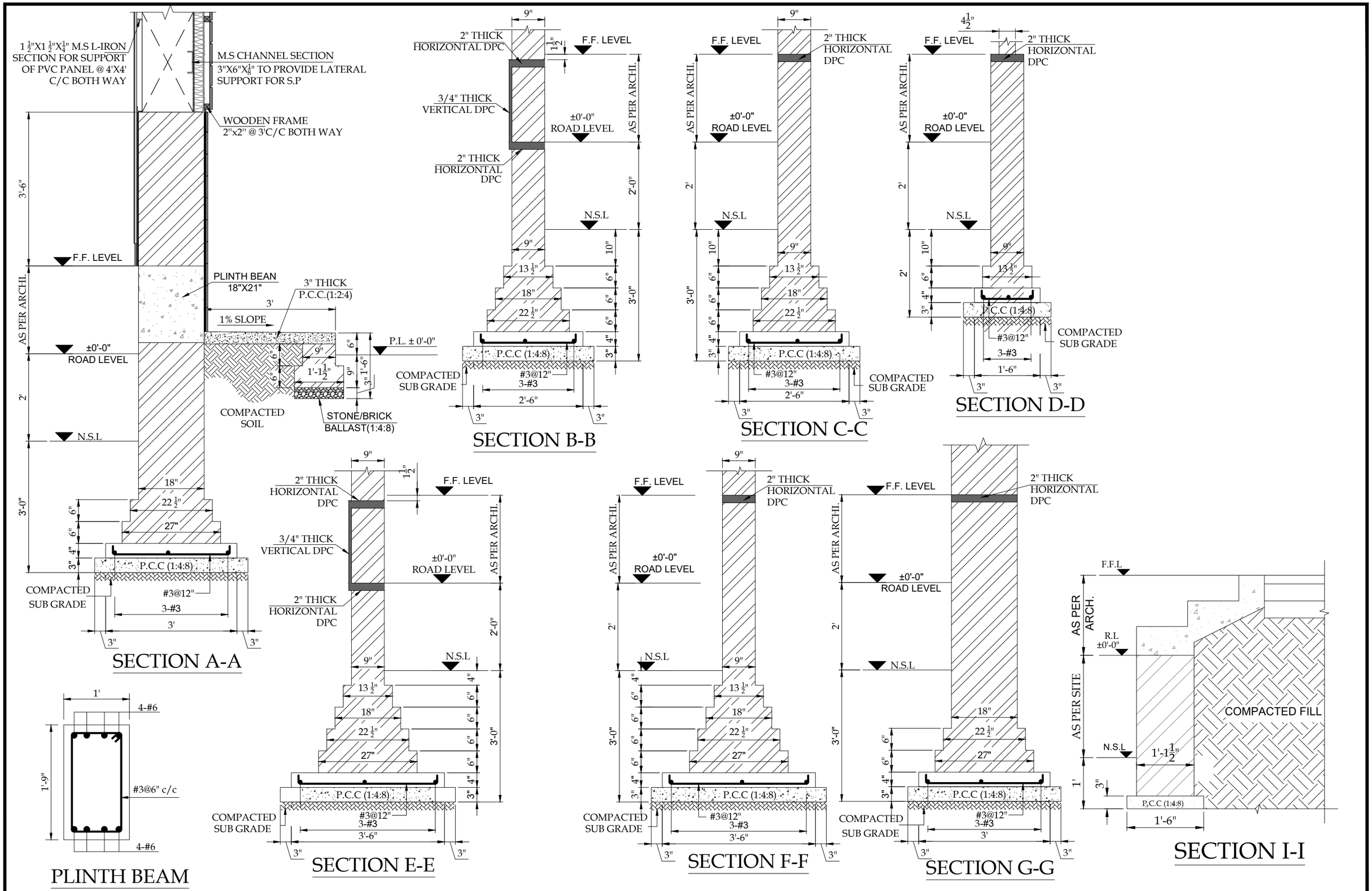
**CONSULTANTS:**

**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk

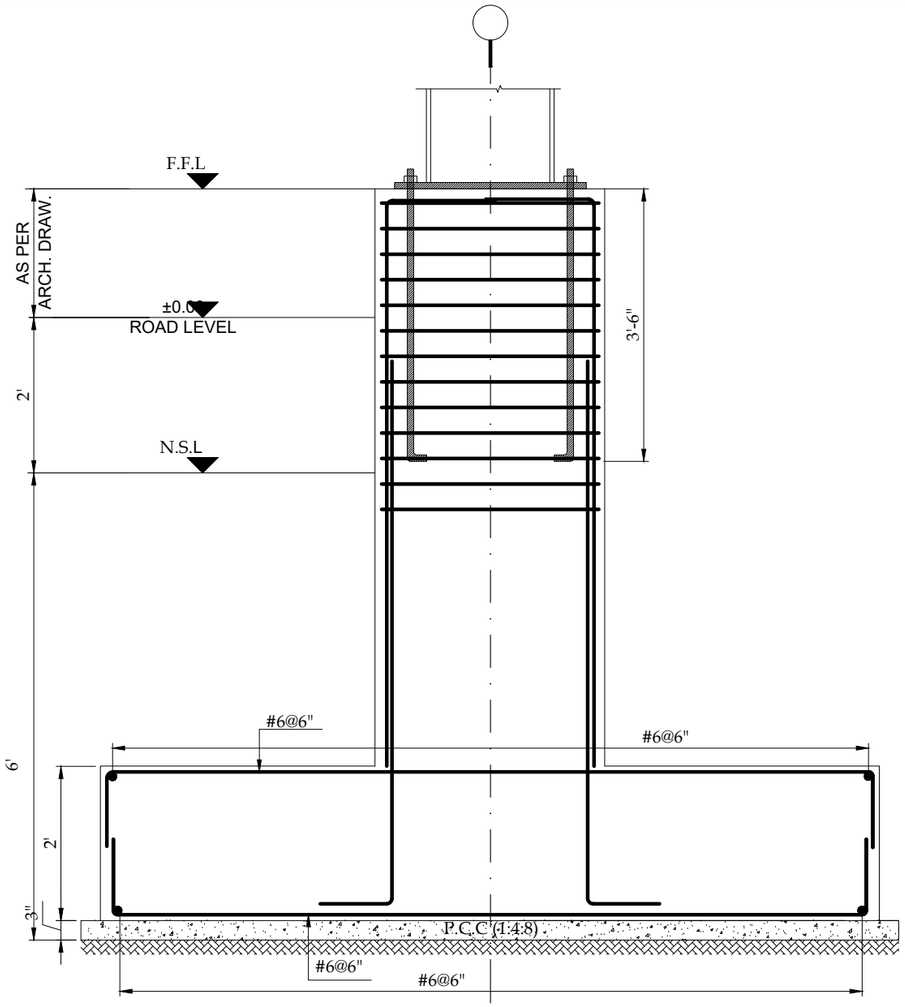


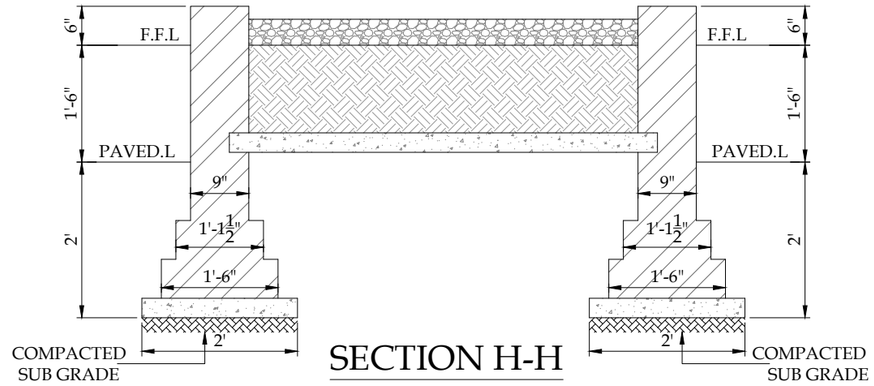

# FOUNDATION LAYOUT PLAN

| CLIENT: | CONSULTANTS: | PROJECT: | | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | | ECO TOURISM CLUB<br>FOUNDATION LAYOUT PLAN | STR-4401 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | | |

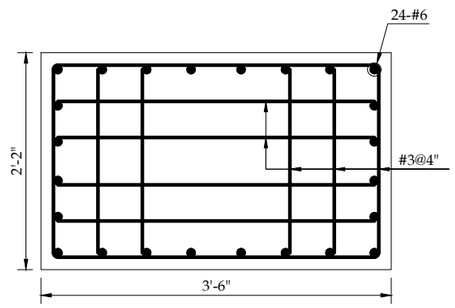



| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | ECO TOURISM CLUB<br>FOUNDATION SECTION DETAILS | STR-4403<br>SCALE:<br>SHEET: A3 | | | | |

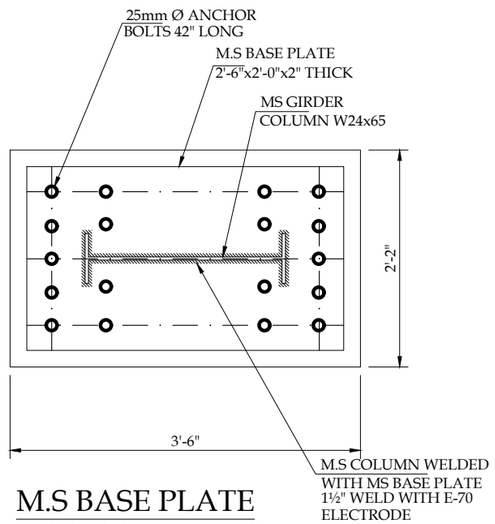



SECTION H-H

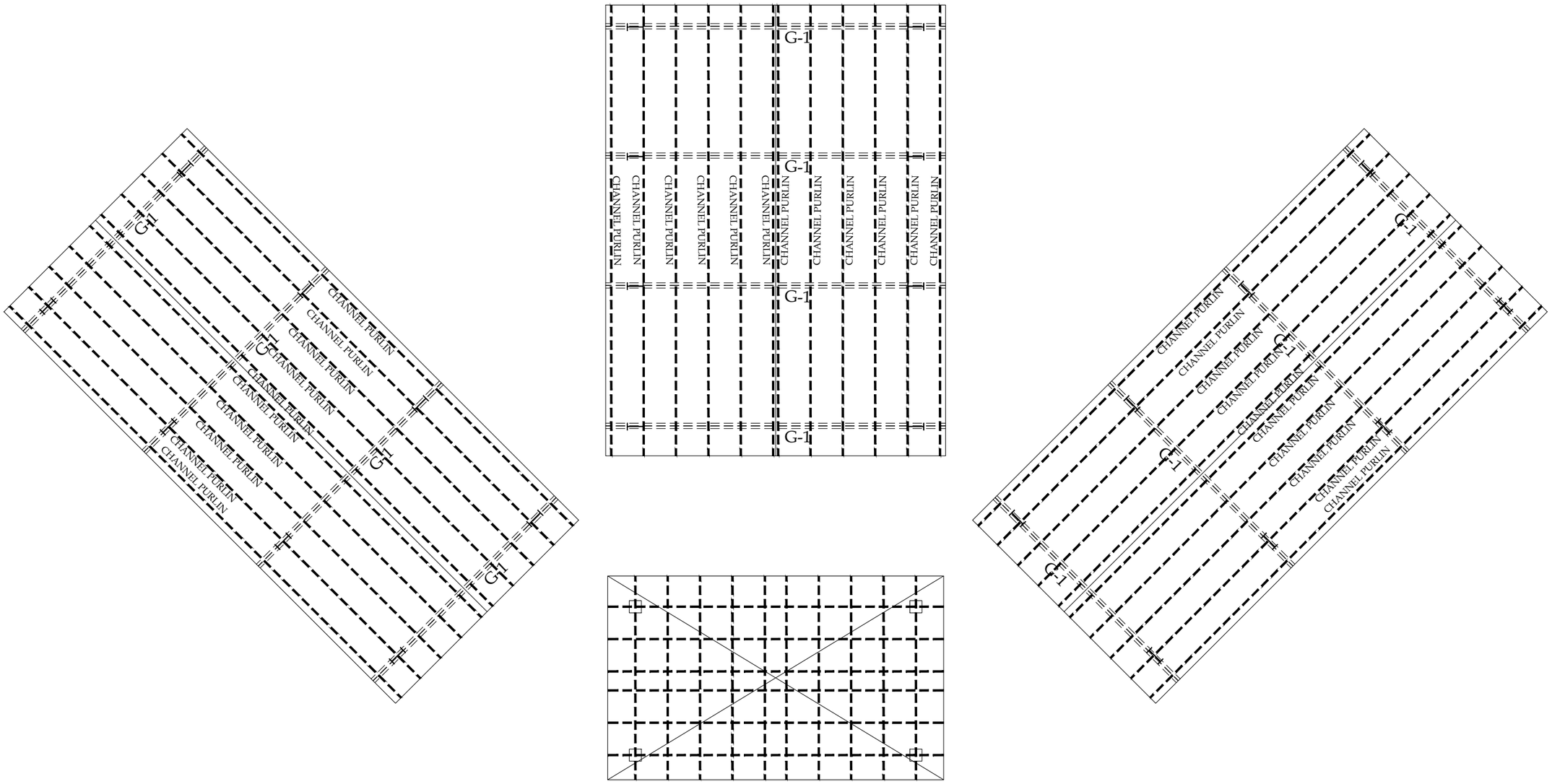



COLUMN C1




M.S BASE PLATE
FOR COLUMN C1

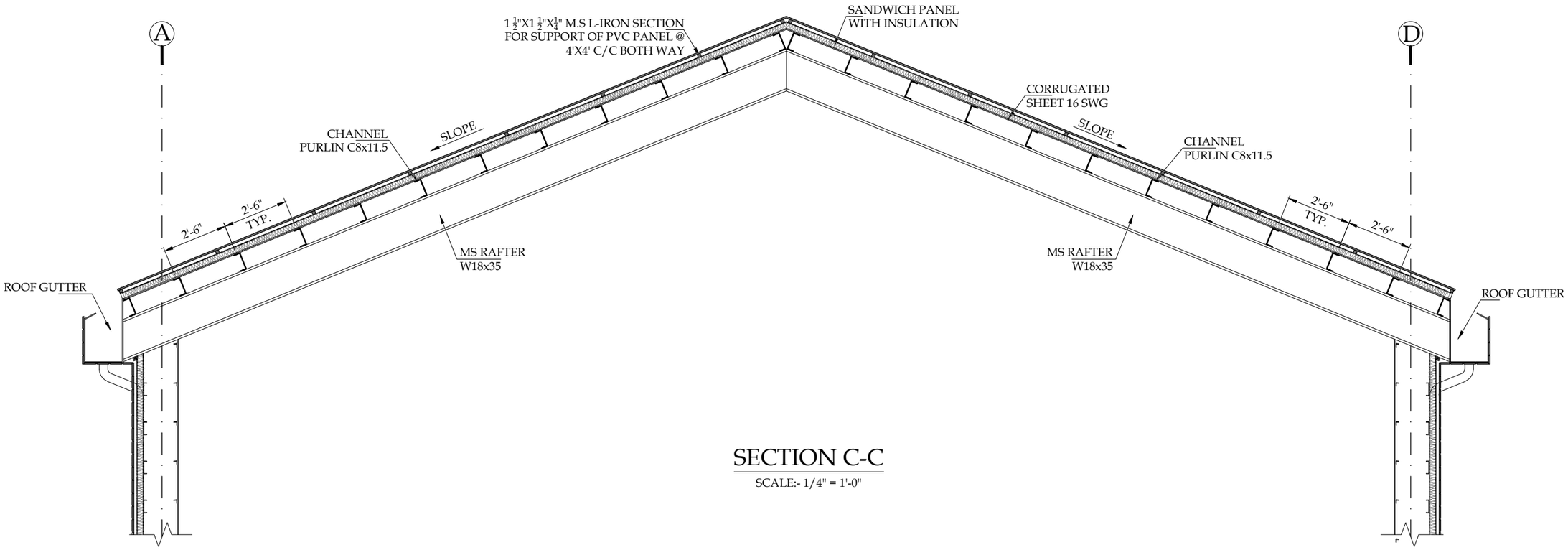
| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ECO TOURISM CLUB<br>COLUMN SECTION DETAILS | STR-4403 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |




ROOF FRAMING PLAN

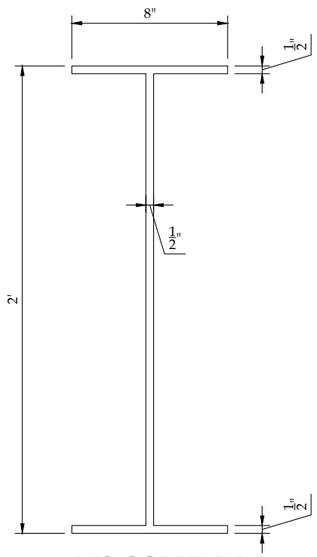
SCALE:- 1/6" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** ECO TOURISM CLUB | **DRAWING NO:** STR-4404 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | ROOF FRAMING PLAN | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | **SHEET:** A3 | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | |
| | | | DATE: MARCH, 2025 | | | | | |

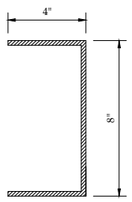



## SECTION C-C

SCALE:- 1/4" = 1'-0"




## MS COLUMN SECTION W24x65




## PURLIN 3"x6"x1/4"

SCALE:- 1" = 4"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ECO TOURISM CLUB<br>TRUSS ELEVATION & SECTION DETAILS | STR-4405 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## GLAMPING POD SINGLE BED

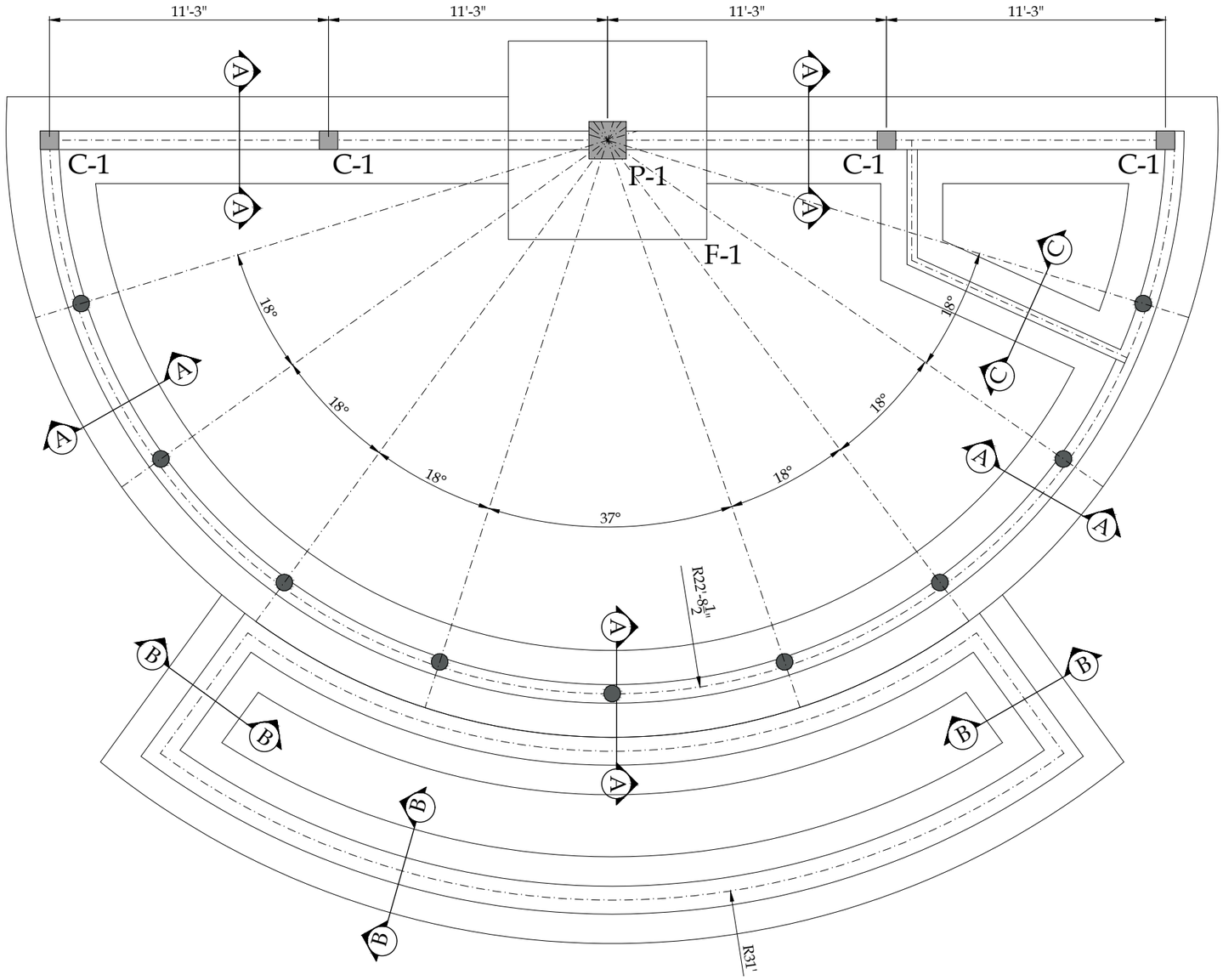
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

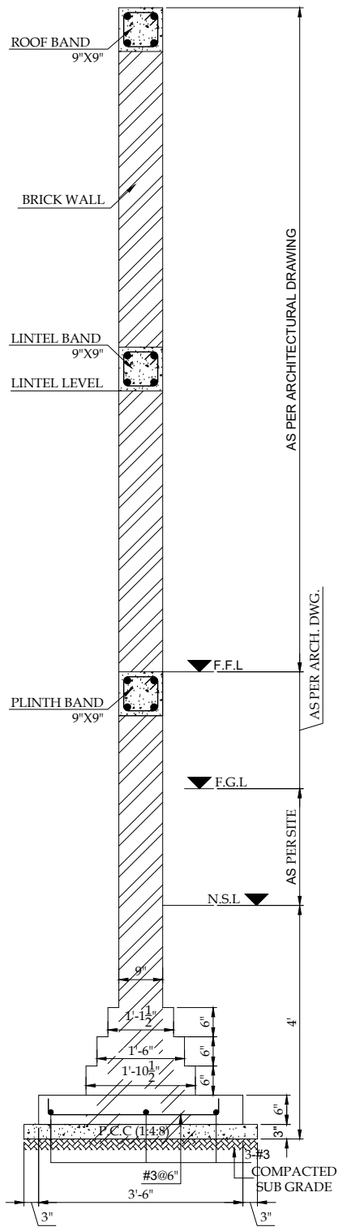
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# FOUNDATION LAYOUT PLAN

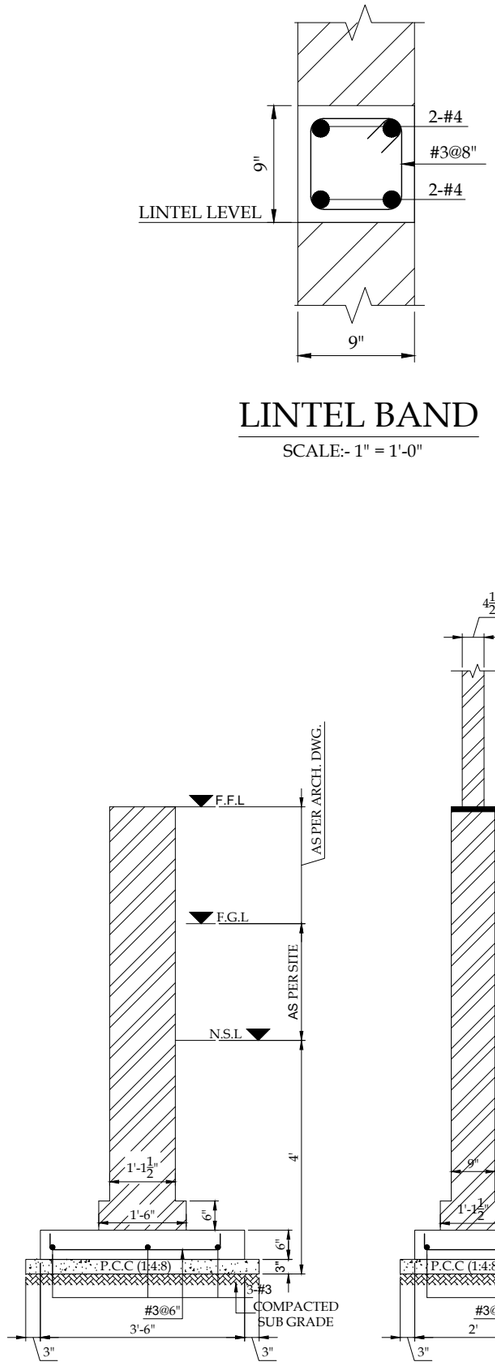
SCALE:- 3/16" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | GLAMPING POD SINGLE BED | STR-4701 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | | | | | | |
| | | | CHECKED BY: | NAVEED NAZ | FOUNDATION LAYOUT PLAN | SCALE: | SHEET: | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | A3 | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |



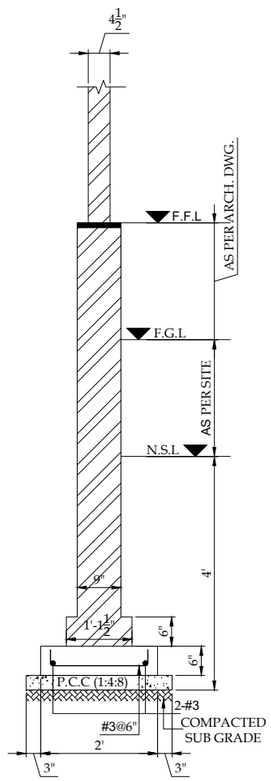

## SECTION A-A

SCALE:- 3/8" = 1'-0"



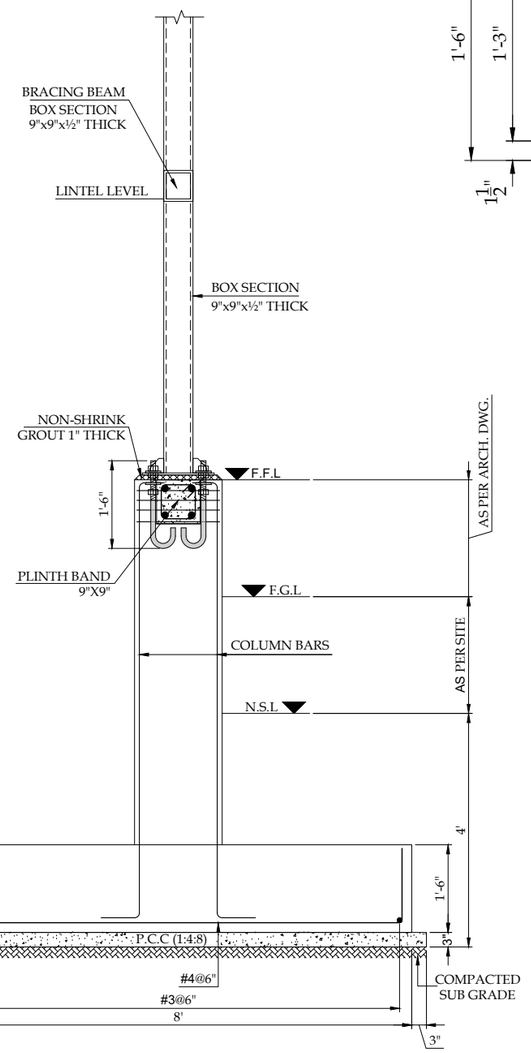

## LINTEL BAND

SCALE:- 1" = 1'-0"



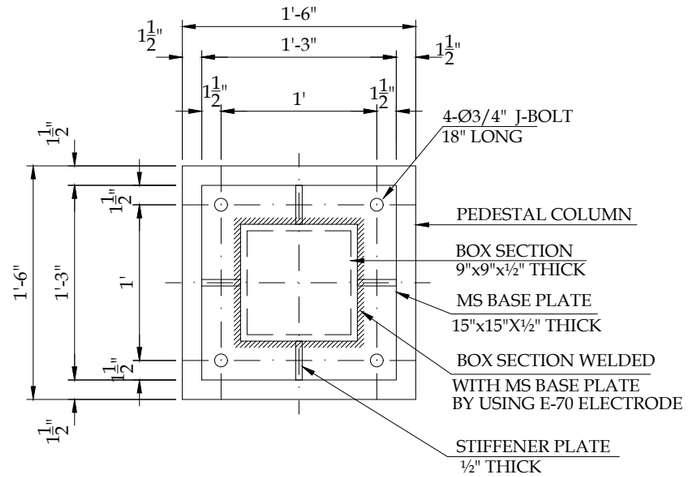

## SECTION C-C

SCALE:- 3/8" = 1'-0"



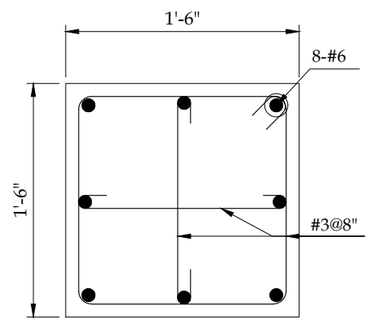

## SECTION FOOTING F-1

SCALE:- 3/8" = 1'-0"



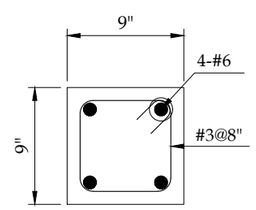

## MS BASE PLATE DETAIL

SCALE:- 1" = 1'-0"




## PEDESTAL P-1

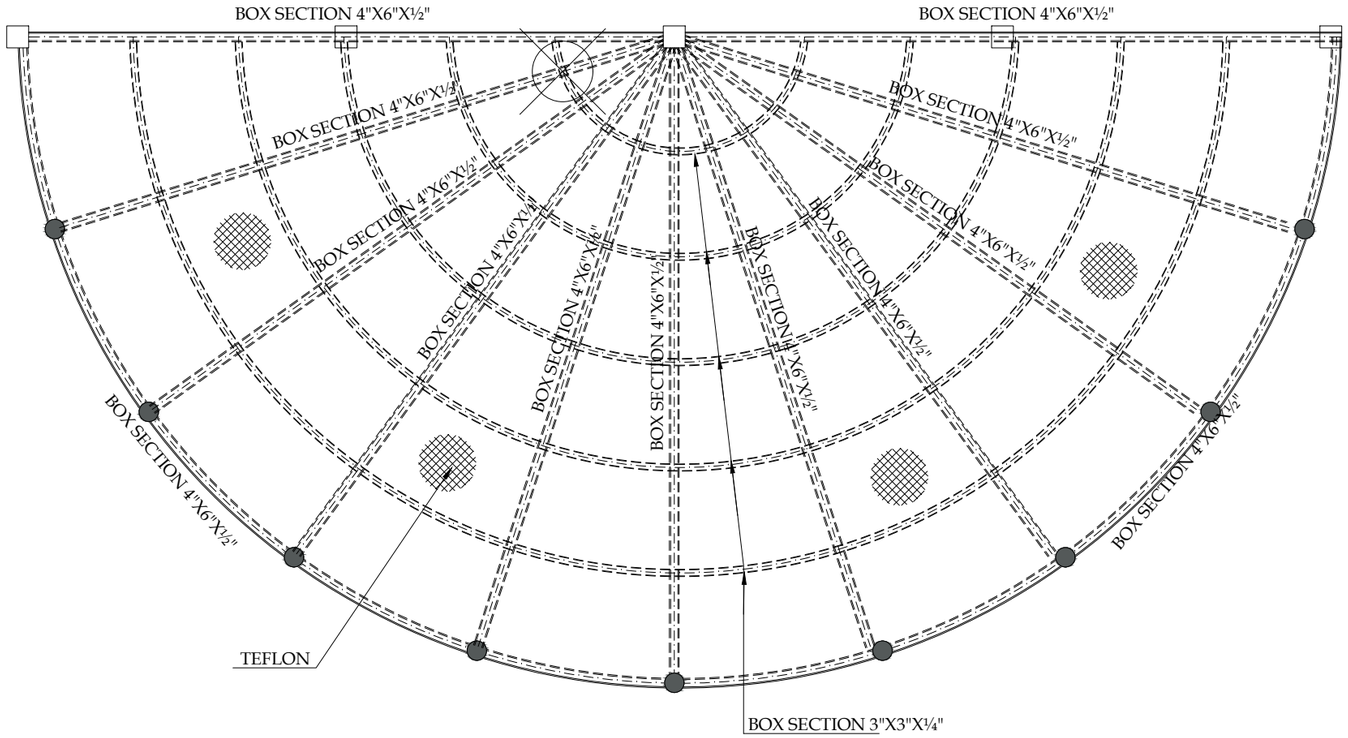
SCALE:- 1" = 1'-0"




## COLUMN C-1

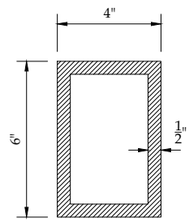
SCALE:- 1" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN<br>DESIGNED BY: M. ASAD ULLAH<br>CHECKED BY: NAVEED NAZ<br>APPROVED BY: SABIR HUSSAIN<br>DATE: MARCH, 2025 | | GLAMPING POD SINGLE BED<br>FOUNDATION SECTION DETAILS | STR-4702<br>SCALE:<br>SHEET: A3 | | | | |

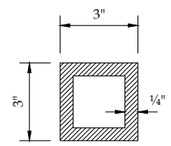



# MS ROOF FRAMING PLAN

SCALE:- 3/16" = 1'-0"




BOX SECTION
4"x6"x½"
SCALE:- 1" = 4"




BOX SECTION
3"x3"x¼"
SCALE:- 1" = 4"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | GLAMPING POD SINGLE BED<br>MS ROOF FRAMING PLAN & SECTION DETAILS | STR-4303 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## GLAMPING POD DOUBLE BED

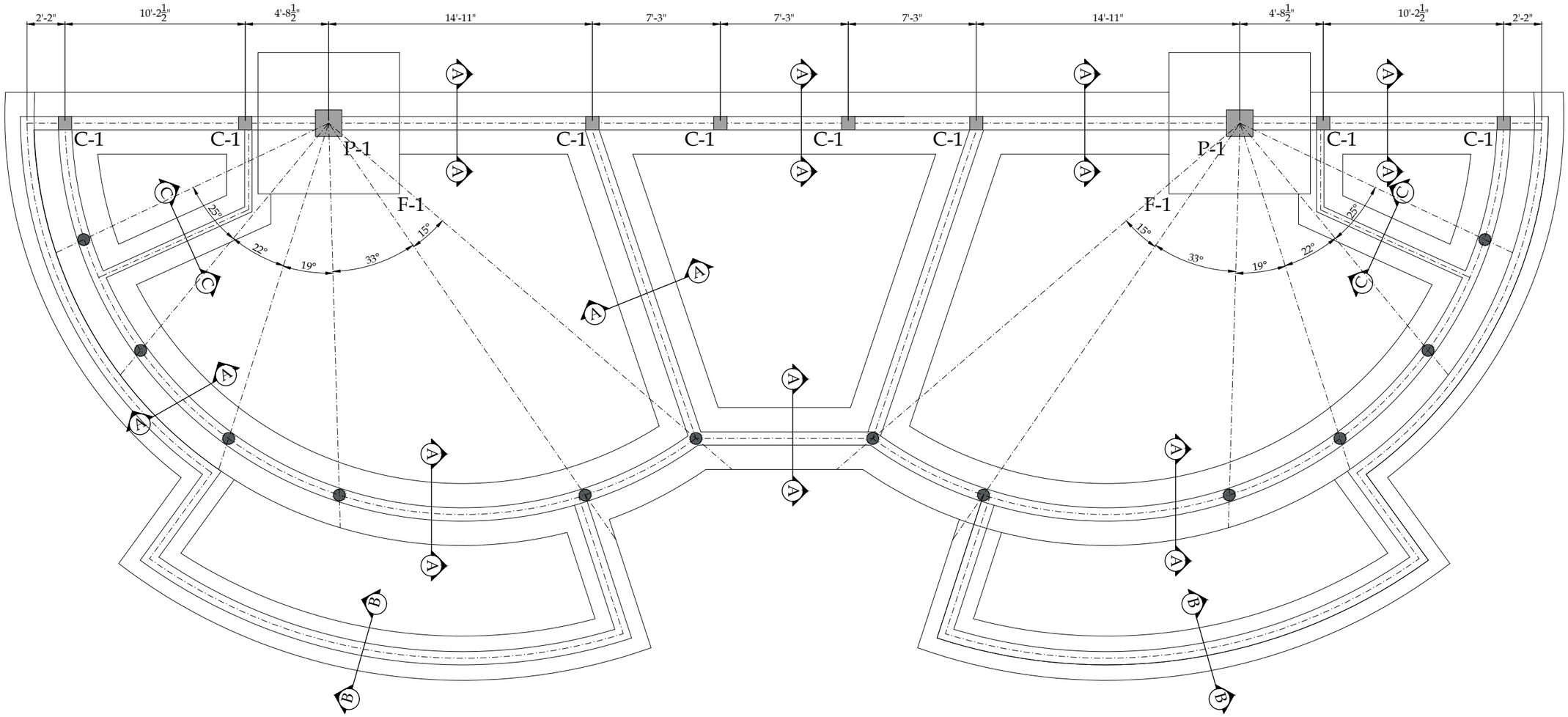
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

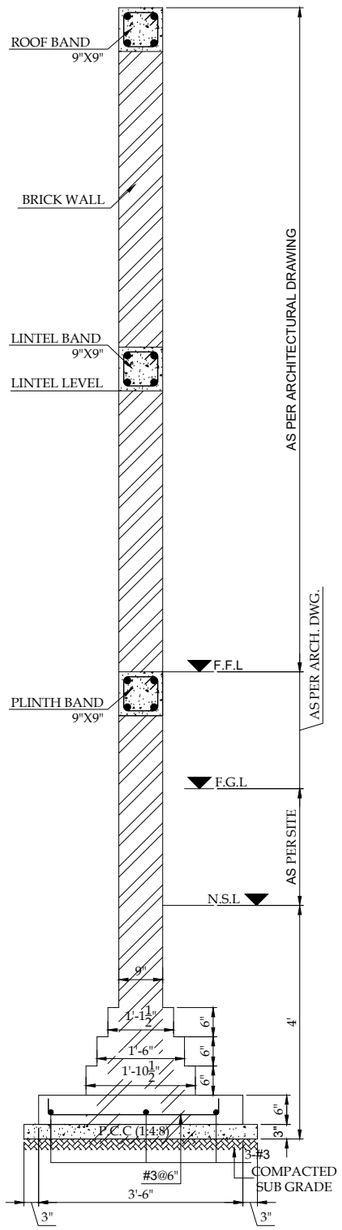
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# FOUNDATION LAYOUT PLAN

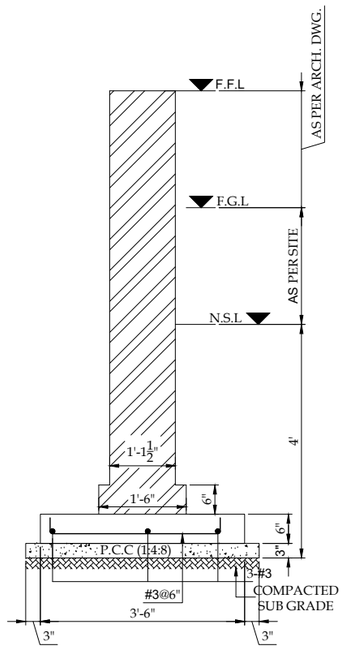
SCALE:- 3/16" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** GLAMPING POD DOUBLE BED | **DRAWING NO:** STR-4801 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | FOUNDATION LAYOUT PLAN | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | **SHEET:** A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | |



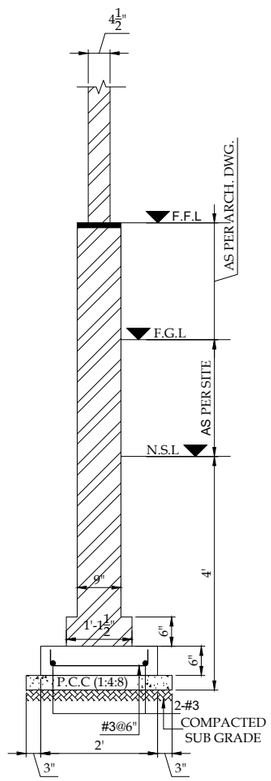

## SECTION A-A

SCALE:- 3/8" = 1'-0"



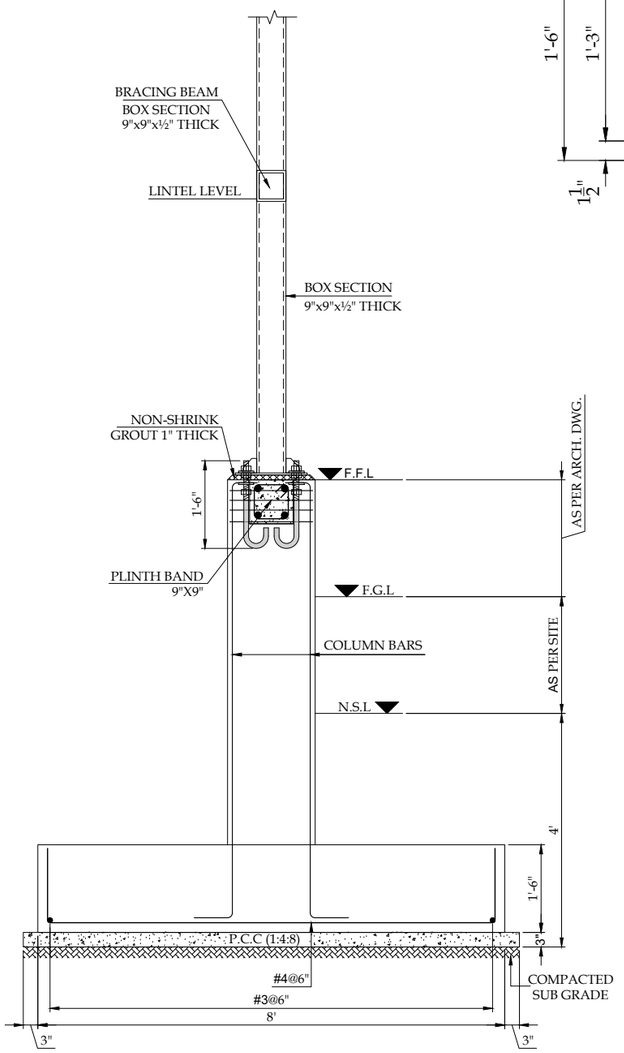

## SECTION B-B

SCALE:- 3/8" = 1'-0"



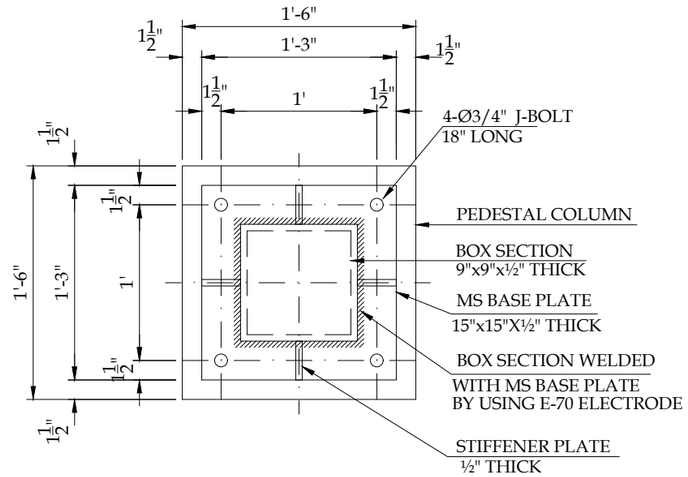

## SECTION C-C

SCALE:- 3/8" = 1'-0"



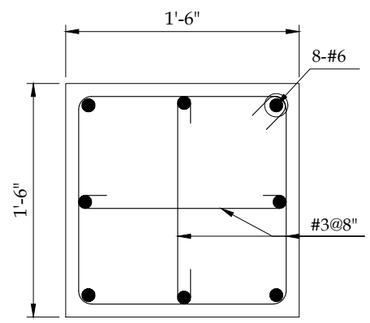

## SECTION FOOTING F-1

SCALE:- 3/8" = 1'-0"



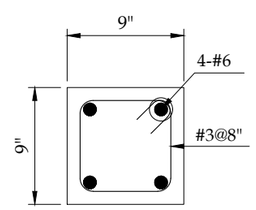

## MS BASE PLATE DETAIL

SCALE:- 1" = 1'-0"



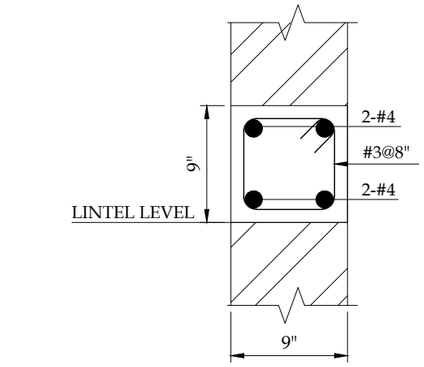

## PEDESTAL P-1

SCALE:- 1" = 1'-0"




## COLUMN C-1

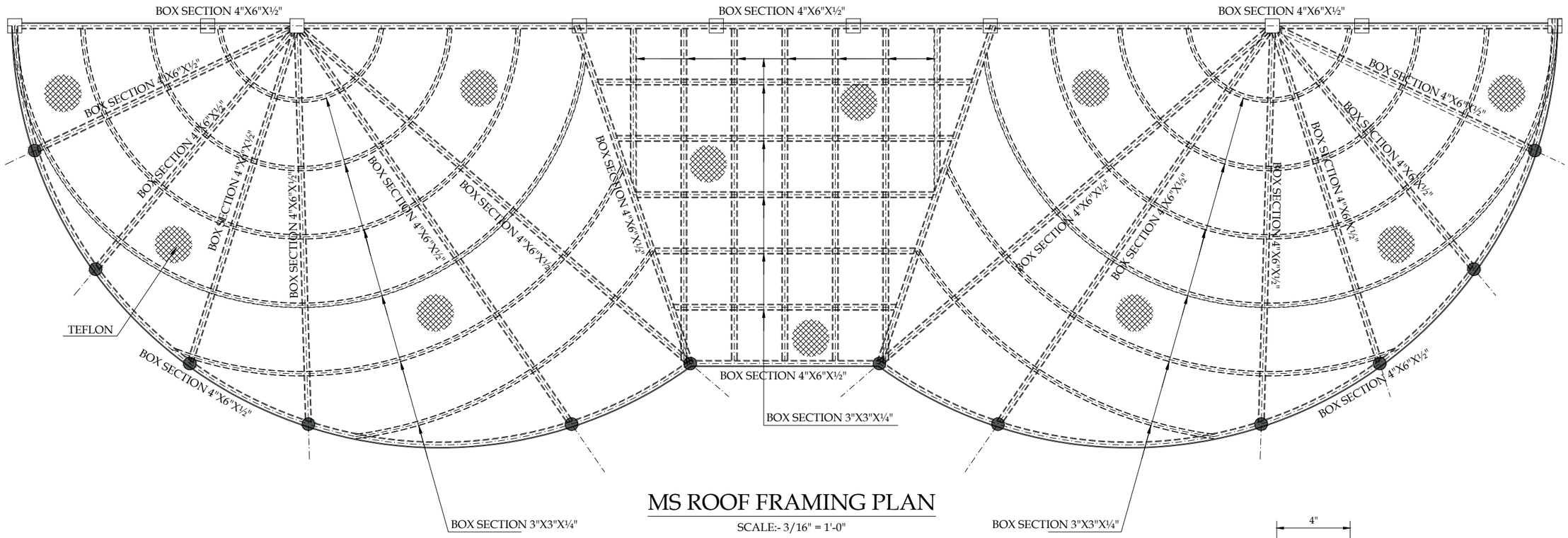
SCALE:- 1" = 1'-0"




## LINTEL BAND

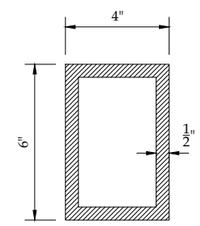
SCALE:- 1" = 1'-0"

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | DRAWING TITLE: GLAMPING POD DOUBLE BED | DRAWING NO: STR-4802 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | FOUNDATION SECTION DETAILS | SCALE: | | | | |
| | | | CHECKED BY: NAVEED NAZ | | SHEET: A3 | | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | | |
| | | | DATE: MARCH, 2025 | | | | | | |

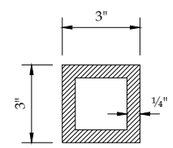



# MS ROOF FRAMING PLAN

SCALE:- 3/16" = 1'-0"




BOX SECTION
4"x6"x½"
SCALE:- 1" = 4"




BOX SECTION
3"x3"x¼"
SCALE:- 1" = 4"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | DRAWING TITLE: GLAMPING POD DOUBLE BED | DRAWING NO: STR-4803 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | MS ROOF FRAMING PLAN & SECTION DETAILS | | | | |
| | | | CHECKED BY: NAVEED NAZ | | SCALE: | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | SHEET: A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | |

# PROPOSED STRUCTURAL DRAWINGS FOR PC-1

**PROJECT**

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM
AT CHANGA MANGA AND WETLANDS IN PUNJAB

## ADMIN BLOCK

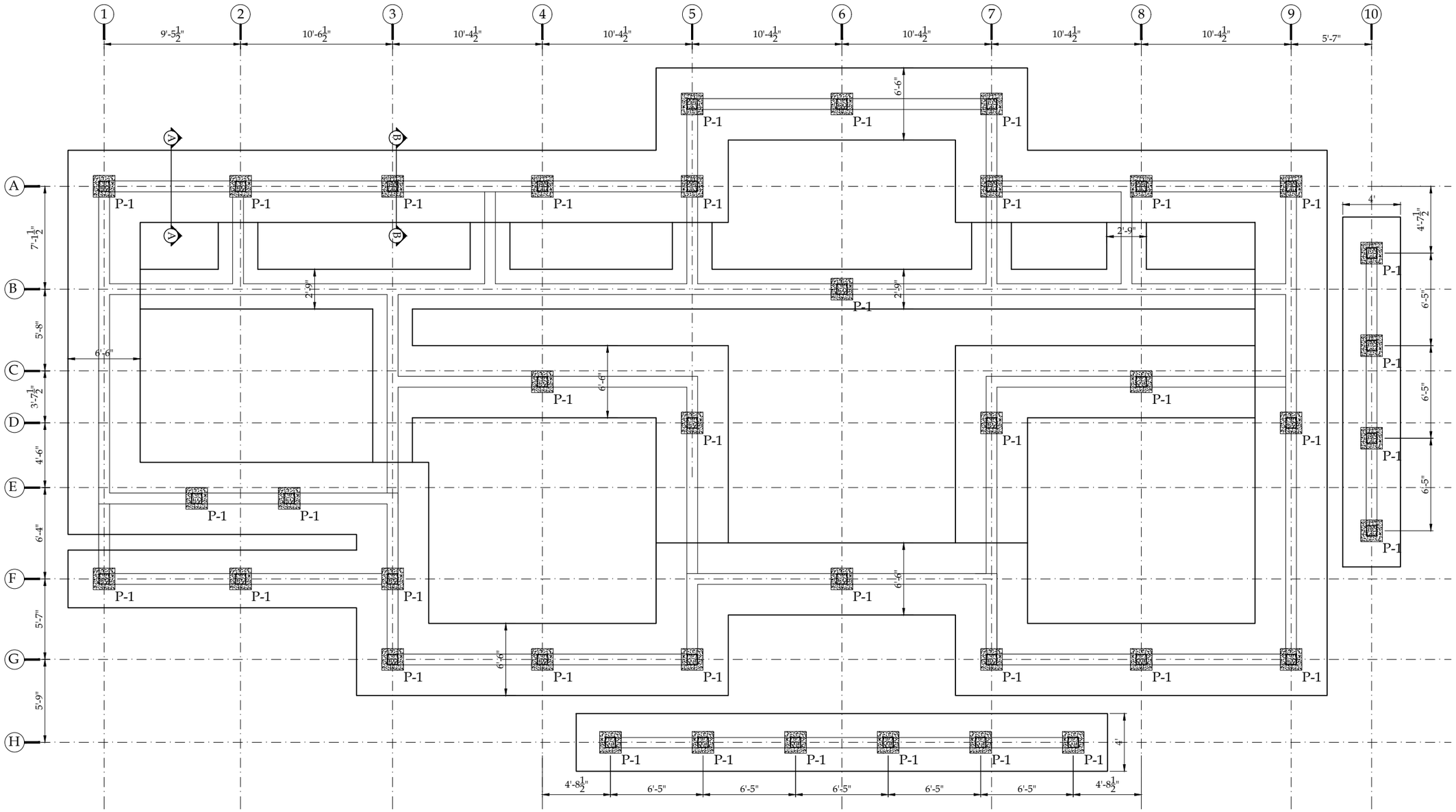
**CLIENT:**

**PUNJAB WILDLIFE & PARK DEPARTMENT**

**GOVERNMENT OF THE PUNJAB**

**CONSULTANTS:**

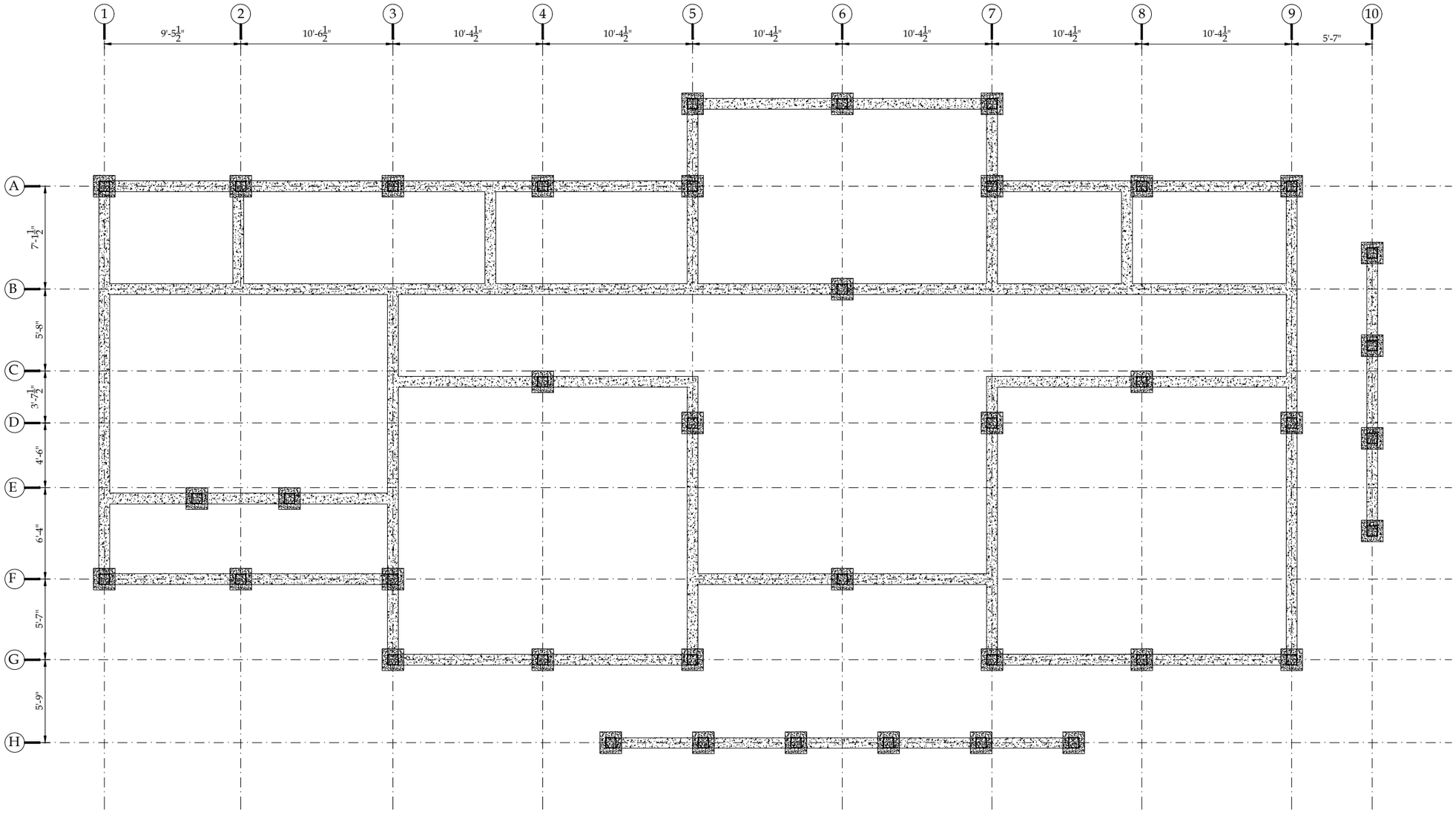
**ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).**
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk




# FOUNDATION LAYOUT PLAN

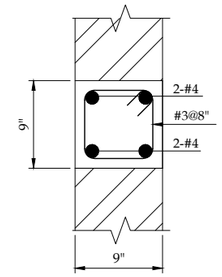
SCALE:- 1/6" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ADMIN BLOCK<br>FOUNDATION LAYOUT PLAN | STR-4901 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |




PLINTH BAND FRAMING PLAN

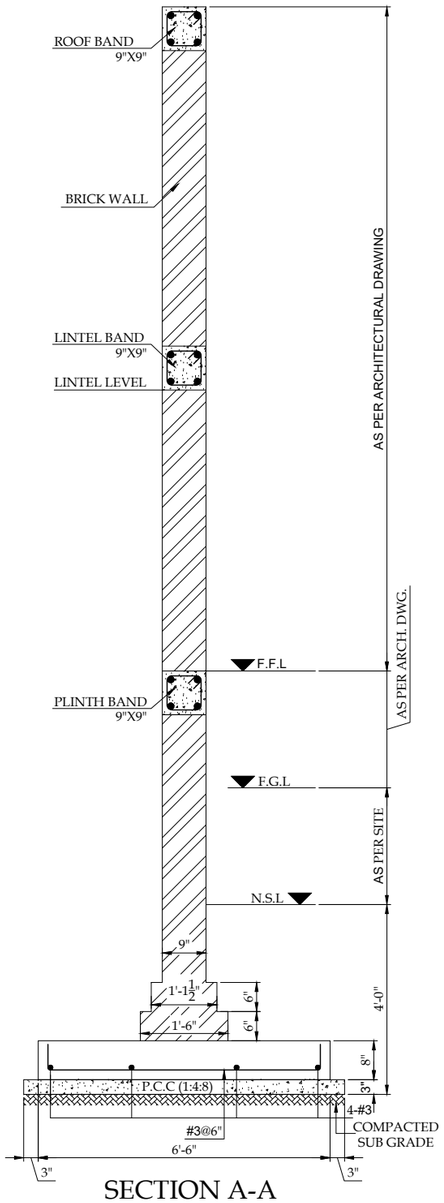
SCALE:- 1/6" = 1'-0"




PLINTH BAND PB1

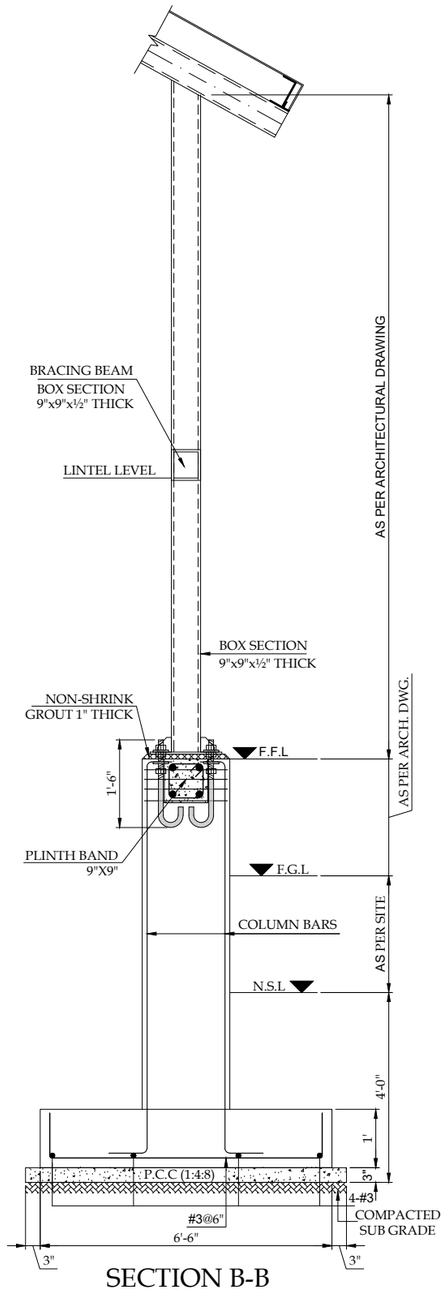
SCALE:- 1" = 1'-0"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** ADMIN BLOCK | **DRAWING NO:** STR-4902 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | PLINTH BEAM LAYOUT PLAN & SECTION DETAIL | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | **SHEET:** A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | |



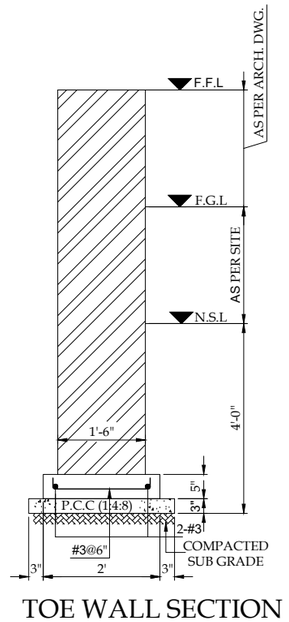

## SECTION A-A

SCALE:- 3/8" = 1'-0"



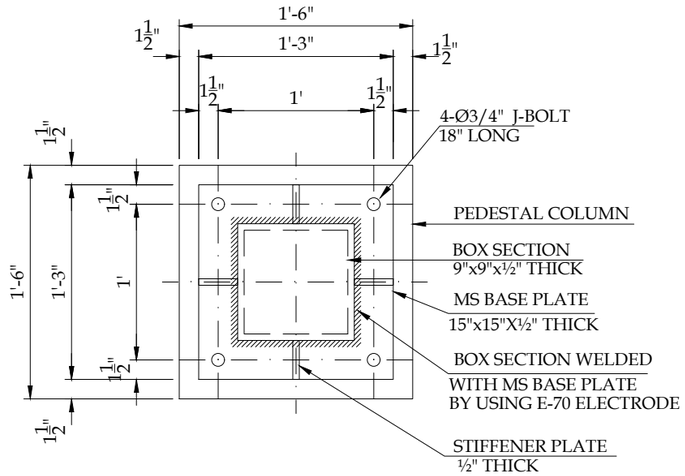

## SECTION B-B

SCALE:- 3/8" = 1'-0"



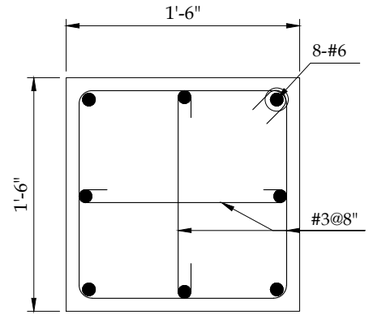

## TOE WALL SECTION

SCALE:- 3/8" = 1'-0"



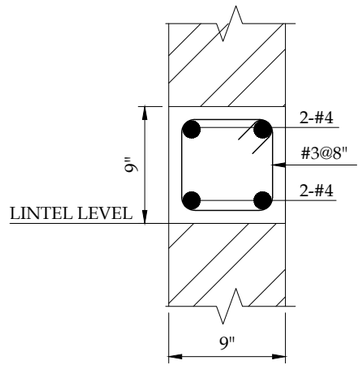

## MS BASE PLATE DETAIL

SCALE:- 1" = 1'-0"




## PEDESTAL P-1

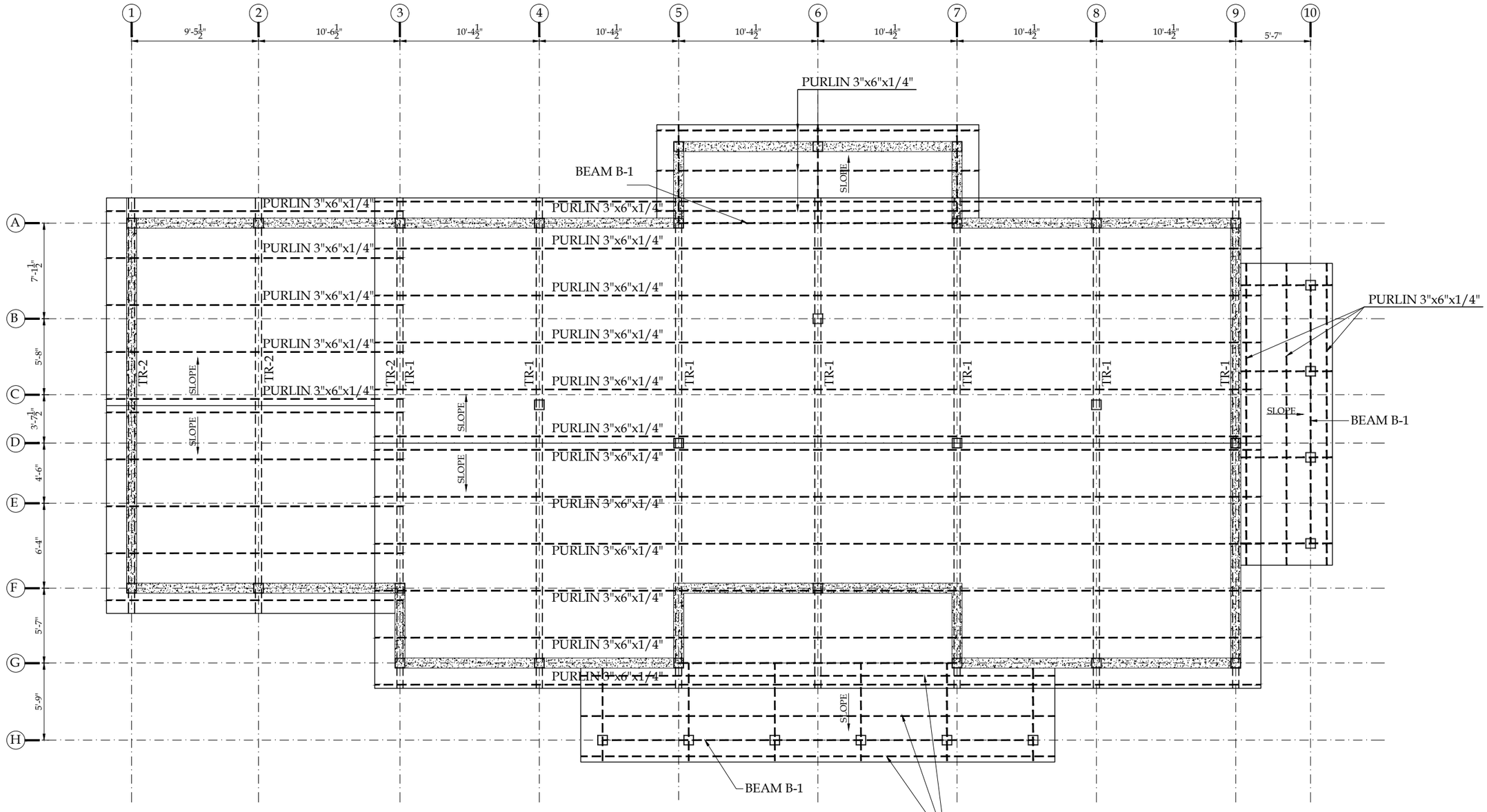
SCALE:- 1" = 1'-0"




## LINTEL BAND

SCALE:- 1" = 1'-0"

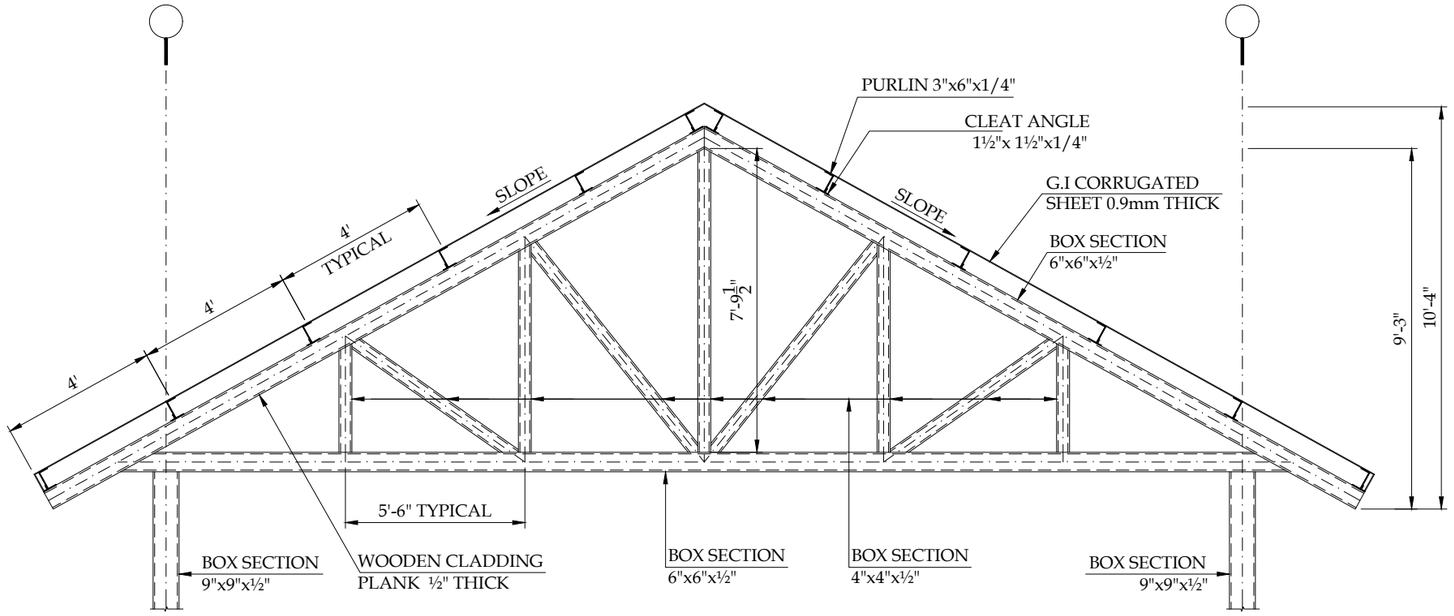
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CLIENT:** PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | **CONSULTANTS:** ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | **PROJECT:** MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | **DRAWING TITLE:** ADMIN BLOCK | **DRAWING NO:** STR-4903 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | FOUNDATION SECTION DETAILS | | | | |
| | | | CHECKED BY: NAVEED NAZ | | **SCALE:** | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | **SHEET:** A3 | | | |
| | | | DATE: MARCH, 2025 | | | | | |




TRUSS ROOF FRAMING PLAN

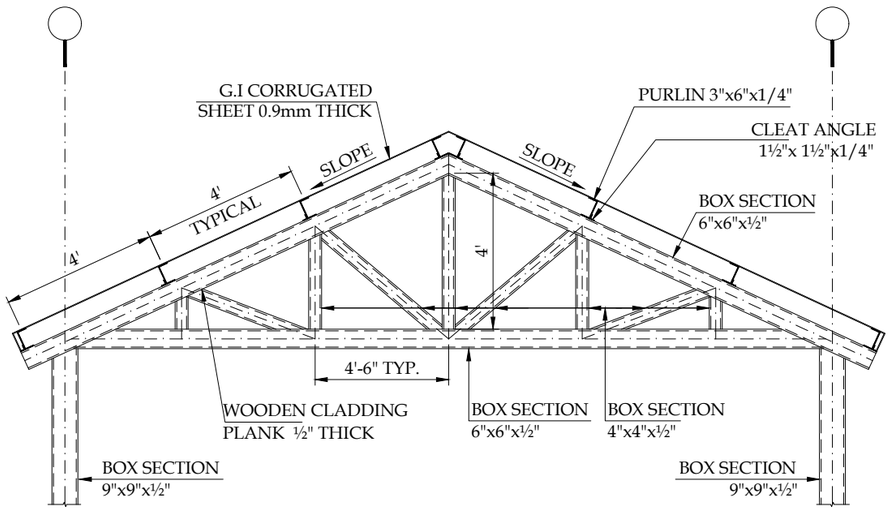
SCALE:- 1/6" = 1'-0"

| CLIENT: | CONSULTANTS: | PROJECT: | | | DRAWING TITLE: | DRAWING NO: | | REV. | DESCRIPTION | SIGN. | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PUNJAB WILDLIFE & PARK DEPARTMENT<br>GOVERNMENT OF THE PUNJAB | ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP).<br>83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.<br>+92-42-99333976, +92-42-5717681-4<br>info@ecsp.com.pk www.ecsp.com.pk | MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: | M.ADNAN | ADMIN BLOCK<br>TRUSS ROOF FRAMING PLAN | STR-4904 | | | | | |
| | | | DESIGNED BY: | M. ASAD ULLAH | | SCALE: | SHEET: A3 | | | | |
| | | | CHECKED BY: | NAVEED NAZ | | | | | | | |
| | | | APPROVED BY: | SABIR HUSSAIN | | | | | | | |
| | | | DATE: | MARCH, 2025 | | | | | | | |



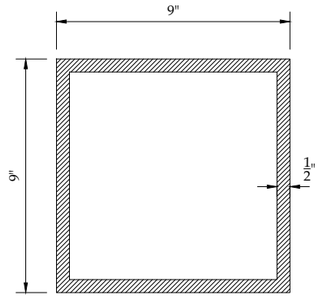

## TRUSS ELEVATION TR-1

SCALE:- 1/4" = 1'-0"

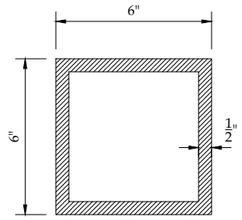



## TRUSS ELEVATION TR-2

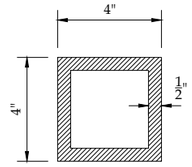
SCALE:- 1/4" = 1'-0"



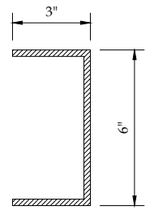

BOX SECTION
9"x9"x½"
SCALE:- 1" = 4"




BOX SECTION
6"x6"x½"
SCALE:- 1" = 4"




BOX SECTION
4"x4"x½"
SCALE:- 1" = 4"




PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT, GOVERNMENT OF THE PUNJAB | CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk | PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB | DRAWN BY: M.ADNAN | DRAWING TITLE: ADMIN BLOCK | DRAWING NO: STR-4905 | REV. | DESCRIPTION | SIGN. | DATE |
| | | | DESIGNED BY: M. ASAD ULLAH | TRUSS ELEVATION & SECTION DETAILS | SCALE: / SHEET: A3 | | | |
| | | | CHECKED BY: NAVEED NAZ | | | | | |
| | | | APPROVED BY: SABIR HUSSAIN | | | | | |
| | | | DATE: MARCH, 2025 | | | | | |