



PC-1

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

ORIGINAL APPROVED COST	PKR Million. 8,710.570/-
ORIGINAL APPROVED GESTATION	24 Months 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

MASTER PLAN OF CHANGA MANGA

N

W

E

S

LEGENDS & SYMBOLS

TRAM TRACK

ROADS

WALKING TRACK

JEEP TRACK

BICYCLE TRACK

OPEN AREA

GATES

TRAM STATION

GLAMPING PODS

ECO TOURISM CLUB

SITTING AREA

TUNNEL

FLOATING RESTURANT

JUNGLE CAFE

GAZBO SITTING

MINI VILLAGE

SOLAR FARM

EV's PARKING

ELEVATED WOODEN DECK

MINI FOREST

BIRDS AVIARY

BIRDS FEEDING AREA

ANIMAL'S ENCLOSURES

ANIMAL'S GRAZING ENCLOSURES

AMPHITHEATRE

FOOD COURT

TOILETS

EXISTING MOSQUE

KIDS CLIMBING ZONE

INFO CENTER

RESEARCH CENTER

STORAGE & OPERATIONS

EXISTING BUILDINGS

CORPORATE MEETING ROOM

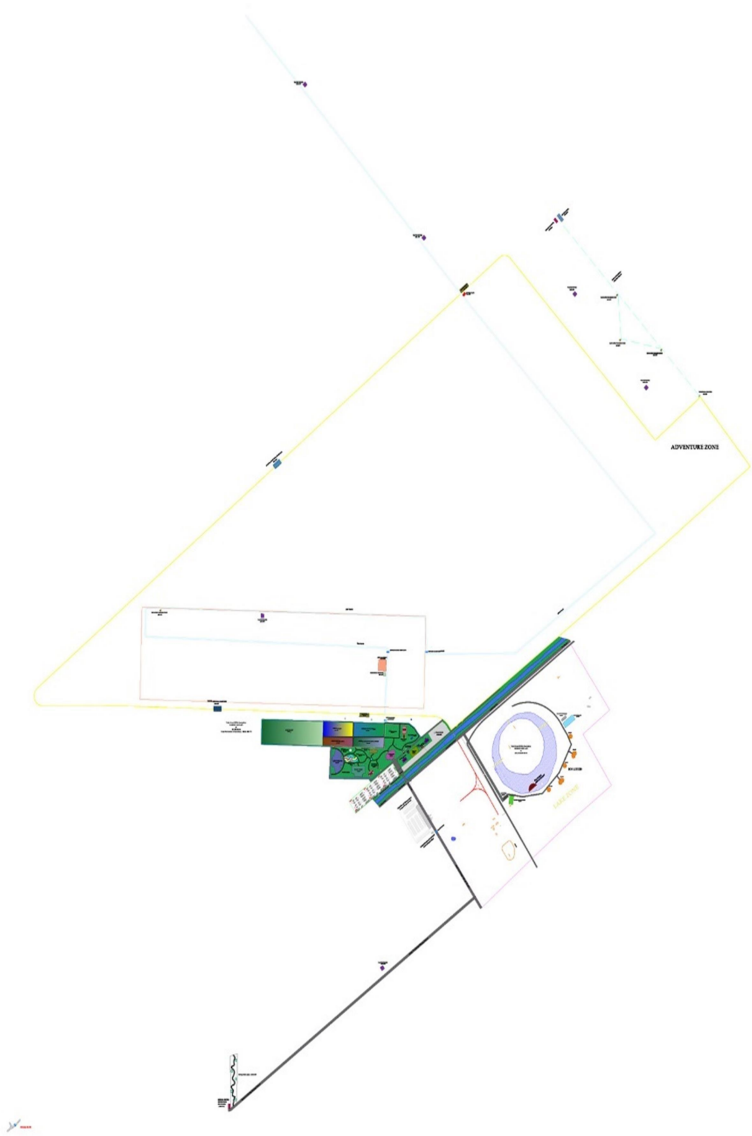
ECO LODGES

WATCH TOWER

MEDICAL CENTER

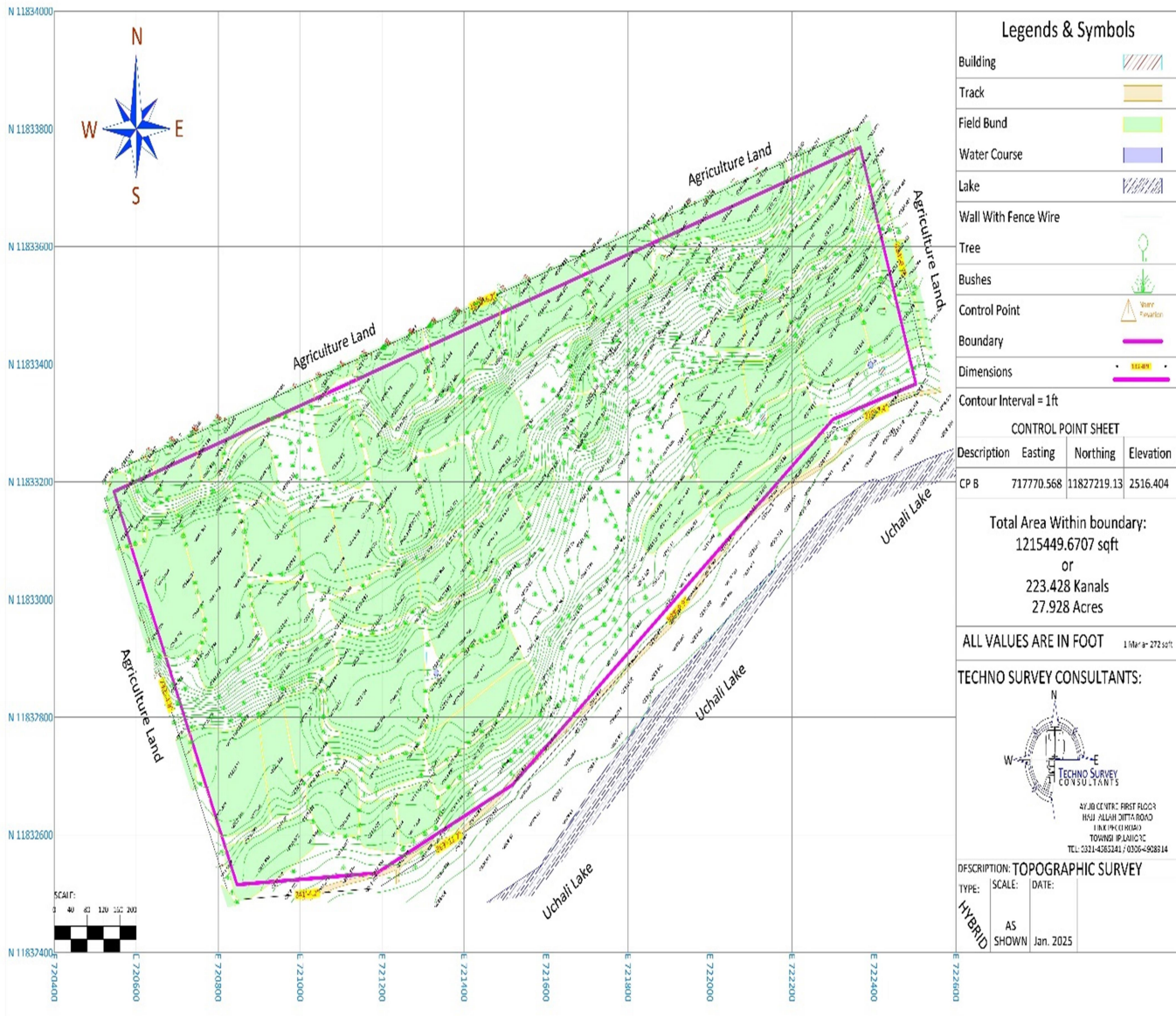
TICKETING COUNTER

JEeps PARKING

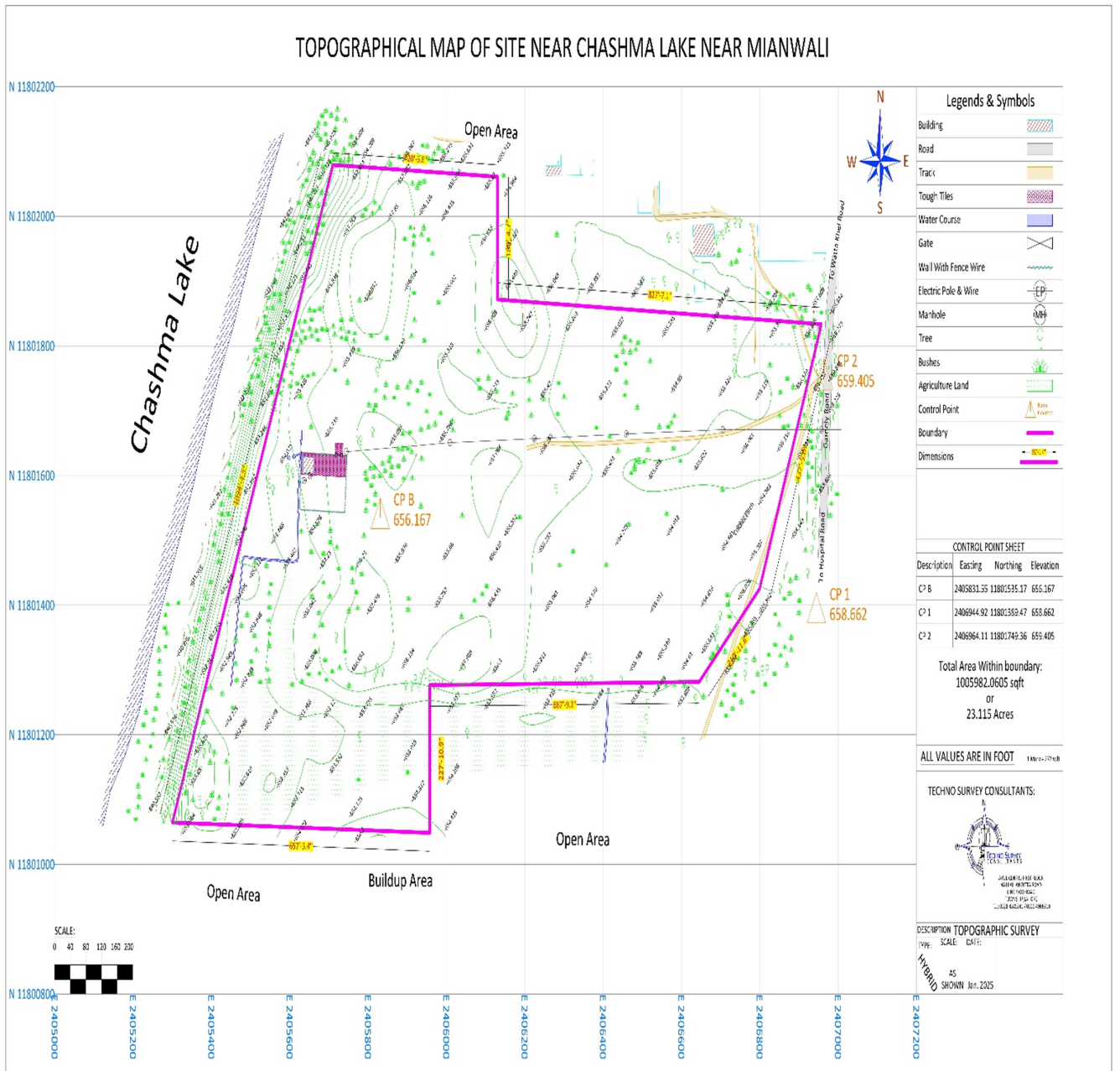


TOPOGRAPHIC SURVEY MAP OF WETLAND UCHALI

TOPOGRAPHICAL MAP OF SITE NEAR UCHALI LAKE



TOPOGRAPHIC SURVEY MAP OF RAMSAR SITE (CHASHMA)



PROPOSED ACTION PLAN

MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA WILDLIFE RESERVE

Activity Zone- 42 Acre
Lake Zone- 101 Acre
Glamping Pod- 1 Acre
Jeep Safari Zone- 80 Acre
Jeep Track- 5.7 km
Tram Track- 7.2 km
Total Area 583 Acre



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 FEDERAL 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 Sambar. 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			
<u>UCHALI</u>					
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 diverse 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 Zoo's 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 BENEFITS 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 ENVIRONMENTAL 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.:

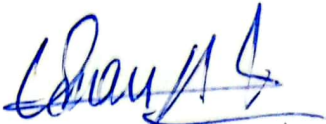
Fax No:

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 P.C-I projects

PREPARED BY:


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

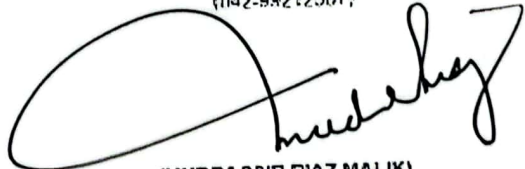
CHECKED BY:


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

COUNTERSIGNED BY:


(MUBEEN IKHLASI)
DIRECTOR GENERAL
WILDLIFE & PARKS, PUNJAB
2 SANDA ROAD LAHORE
(042-99212367)

APPROVED BY:


(MUDDASSIR RIAZ MALIK)
SECRETARY
GOVERNMENT OF THE PUNJAB
FOREST, WILDLIFE & FISHERIES
DEPARTMENT, LAHORE
(042-99211695, 99212361)

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 monitoring) 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.
Inclusion/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 Committees?	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						

Annexure02 - Conservancy & Works

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% INCLDING 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 1Xdvd, 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 1Xhdm		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	-

Annexure12 - Annual Procurement Plan

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. Develop and implement biodiversity conservation strategies and action plans. 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 Manage and troubleshoot networks and software Assist with IT system maintenance Provide training and support Ensure cyber security 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 Driver	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 upkeep 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. Minimum 05 research publications in the field of wildlife	40 years	Lead and oversee scientific research and conservation projects Develop and implement research strategies Collaborate with stakeholders Analyze scientific data Prepare reports and publications 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. Minimum 03 research publications in the relevant field.	35 years	Conduct biodiversity assessments Develop and implement conservation strategies Analyze biodiversity data Provide expertise on species protection Assess the impacts of climate change on biodiversity, identifying vulnerabilities and developing strategies to mitigate its effects on ecosystems and species resilience. 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. Candidates with publications in international peer reviewed journals will be preferred. Experience with genetic analysis software.	35 years	Conduct genetic research on animal populations Analyze genetic diversity and population structure Develop genetic management strategies Collaborate with researchers 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. Minimum 03 research publications in the relevant field.	35 years	Analyze microbial datasets to identify patterns in pathogen prevalence and resistance. Use bioinformatics and statistical modeling to interpret microbial data. Support research decisions through data analysis in disease dynamics and environmental impact. 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. Minimum 03 research publications in the relevant field.	35 years	Study plant diversity to understand ecological patterns and processes. Conduct research on conservation strategies for endangered plant species. Implement habitat restoration projects to promote ecosystem resilience. Perform plant taxonomy studies for accurate identification and classification in ecological research. 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. 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. Develop and apply genetic modification techniques, tissue culture, and bioinformatics tools for plant breeding and trait enhancement. 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. Minimum 03 research publications	30 years	Identify and establish international research partnerships. Facilitate multi-institutional research projects and communication. Support grant writing, draft MoUs, and coordinate events. 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 Experience with network management	30 years	Provide technical support for IT systems Manage and troubleshoot networks and software Assist with IT system maintenance Provide training and support Ensure cyber security 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. Basic understanding of biodiversity.	30 years	Use GIS to analyze spatial data related to biodiversity and habitats. Create maps and conduct spatial analyses on ecosystems and land use. 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. 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. Develop and implement biodiversity conservation strategies and action plans. 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. 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 Experience with network management	40 years	Provide technical support for IT systems Manage and troubleshoot networks and software Assist with IT system maintenance Provide training and support Ensure cyber security 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 upkeep 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. Develop and implement biodiversity conservation strategies and action plans. 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. 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 Experience with network management	35 years	Provide technical support for IT systems Manage and troubleshoot networks and software Assist with IT system maintenance Provide training and support Ensure cyber security 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 upkeep 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. Uncertain economic situation may result in price escalation of hardware.	Hindrance in implementation 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

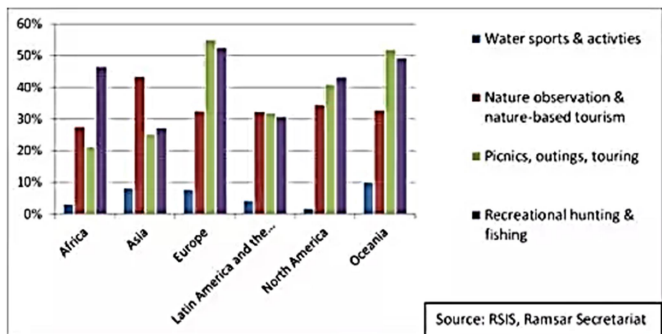
Introduction

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 Service¹)

Justification for Establishing Ecotourism Facilities at Ramsar Site

Items/Facilities	Justification
ZONATION Zone – I	According to the Ramsar COP8 Resolution VIII.14, page 19, para 62 “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”. 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 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 There is provision of “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 Rest Rooms (6+6) Block Near Parking Block Rest Rooms (6+6) Block Near Restaurant Block Information Centre Admin Block Restaurant	According to The Punjab Gazette (Extraordinary) January 27, 2025 "3A. Ecotourism.- The responsible and sustainable ecotourism shall be that: (d) minimizes environmental impact through low-impact activities, sustainable infrastructure, and responsible waste management; 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. “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 <i>The Ramsar Convention Manual, 6th ed. Page 13²</i> 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. 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 "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". Moreover, the following image provides the global overview of tourism and recreation activities in Ramsar sites across different regions (source: RSIS, Ramsar Secretariat)  Figure 1: Global overview of tourism and recreation activities in Ramsar Sites across different regions.
Boating Deck	According to <i>The Ramsar Convention Manual, 6th ed. Page 13</i> 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 “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”.
Ec lodges Single Bed Ec lodges 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. According to Chapter 2, section 2.1, Ramsar handbooks for the wise use of wetlands, 4th edition “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, "3A. Ecotourism.- The responsible and sustainable ecotourism shall be that: (f) ensures safety and well-being of tourists, local communities and wildlife."
Complete Utilities Infrastructure Works WS/Sewerage Complete Electrical and Electrical Distribution Works Complete Fire Fighting and Fire Protection Works 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 “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

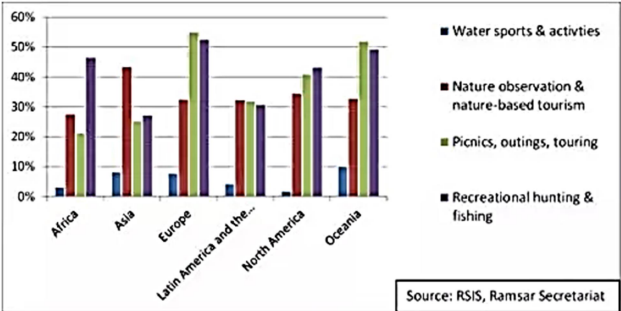
Following facilities are part of Zone-2:

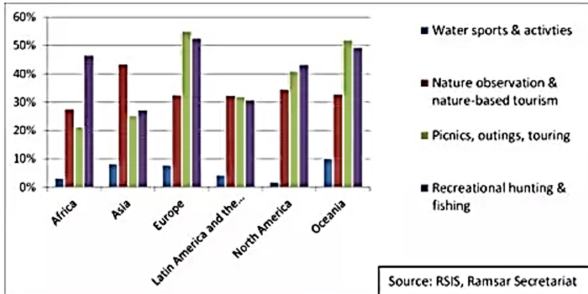
- Ecolodges single beds
- Ecolodges Double beds
- Glamping Pods single beds
- Glamping Pods Double beds
- Star Gazing Tower
- Kids Play zone Area Near Ecolodges
- Boating Deck in Zone 2
- Boundary Fencing for the Zone 2
- Watch Towers/Security Towers for Zone 2
- Landscaping Area
- Admin Block
- Complete 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 “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. Rest rooms block near parking (6+6) Block Information Centre Restaurant Admin Block Landscaping Area	According to The Punjab Gazette (Extraordinary) January 27, 2025 "3A. Ecotourism. - The responsible and sustainable ecotourism shall be that: (d) minimizes environmental impact through low-impact activities, sustainable infrastructure, and responsible waste management; 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. 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 "3A. Ecotourism. - The responsible and sustainable ecotourism shall be that: (c) supports and benefits local communities, promoting their economic development and cultural heritage; 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. "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 Painting Spots Star Gazing Tower	According to <i>The Ramsar Convention Manual, 6th ed. Page 13</i> "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”. 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 “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”. Moreover, the following image provides the global overview of tourism and recreation activities in Ramsar sites across different regions (source: RSIS, Ramsar Secretariat)  Figure 1: Global overview of tourism and recreation activities in Ramsar Sites across different regions. According to The Punjab Gazette (Extraordinary) January 27, 2025 "3A. Ecotourism. - The responsible and sustainable ecotourism shall be that: (b) educates and raises awareness among tourists and local communities about importance of conservation and sustainable use of natural resources;
Boating Deck Zone-1 and Zone-2	According to <i>The Ramsar Convention Manual, 6th ed. Page 13</i> 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.
Ecolodges single beds Ecolodges Double beds Glamping Pods single beds 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. 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 “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”. Moreover, the following image provides the global overview of tourism and recreation activities in Ramsar sites across different regions (source: RSIS, Ramsar Secretariat)  Figure 1: Global overview of tourism and recreation activities in Ramsar Sites across different regions. Source: RSIS, Ramsar Secretariat
Boundary Fencing for the Zone 2 Watch Towers/Security Towers for Zone 2	According to The Punjab Gazette (Extraordinary) January 27, 2025 "3A. Ecotourism. - The responsible and sustainable ecotourism shall be that: (f) ensures safety and well-being of tourists, local communities and wildlife."

Items	Justification
Complete Utilities Infrastructure Works WS/Sewerage	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
Complete Electrical and Electrical Distribution Works	“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 ”.
Complete Fire Fighting and Fire Protection Works	
Provision of Solar Facility	

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										

Annexure22 - Economic Analysis

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

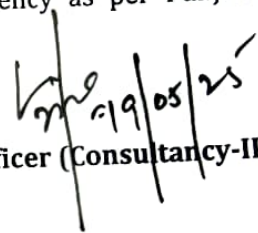
Project Director (PMU)
Wildlife & Parks Department,
Lahore

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.


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 OBJECTIVES:

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 To use specialist computer modelling applications To employ statistical and hydrological modelling techniques To assess the impact of environmental changes and land use changes To predict and monitoring rainfall, water yields and usage To liaison with clients, consultants, water regulators, researchers, external bodies and other professionals To produce water and drought management plans To ensure appropriate regulations are implemented 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:

Annexure 24 - TORs for hiring of Design Consultant

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. Perform calculations and analyses to ensure the structural integrity, safety, and performance of railway systems. Utilize CAD (Computer-Aided Design), BIM (Building Information Modelling), and other engineering software for design and documentation. Work effectively with other engineers, project managers, and stakeholders to ensure seamless project execution. Prepare detailed technical drawings, specifications, and reports for various design aspects. 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. Perform calculations and analyses to ensure the structural integrity, safety, and performance of railway systems. Utilize CAD (Computer-Aided Design), BIM (Building Information Modeling), and other engineering software for design and documentation. Work effectively with other engineers, project managers, and stakeholders to ensure seamless project execution. Prepare detailed technical drawings, specifications, and reports for various design aspects. 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. 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. 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. 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.

Annexure 24 - TORs for hiring of Design Consultant

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. 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. 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. 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. Guide the aesthetic and functional aspects of landscaping for the project.

Annexure 24 - TORs for hiring of Design Consultant

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 SUPERVISION 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

- 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 SUPERVISION 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 SUPERVISION 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. 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. Prepare and administer food and water to assigned wildlife species according to their dietary needs. Will guide the staff how to Clean and maintain animal enclosures, ensuring proper sanitation and hygiene standards. 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. 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 SUPERVISION 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

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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

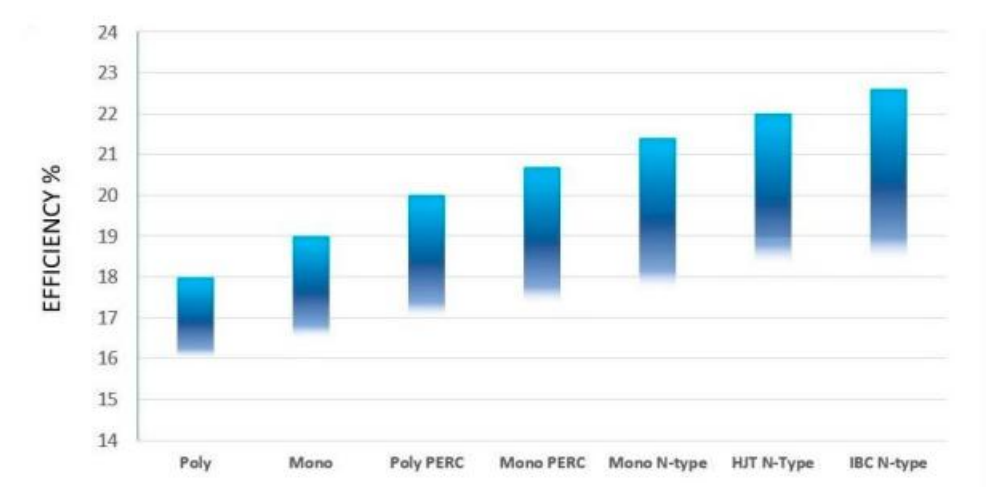
- Site Characteristics and Irradiation Potential
- Location
- Shading Consideration
- Potential Areas for Solarization
- Interconnection Schemes
- Load Distribution
- GENSETS Capacity (If required)
- Protection System's Current/Voltage withstand Capacities
- Cable's Potential Routing
- Current Earthing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



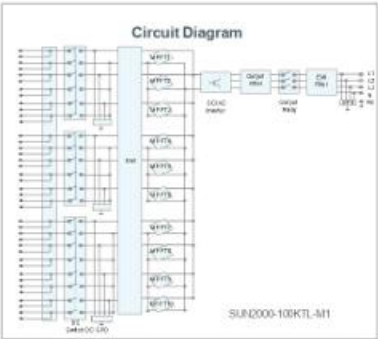
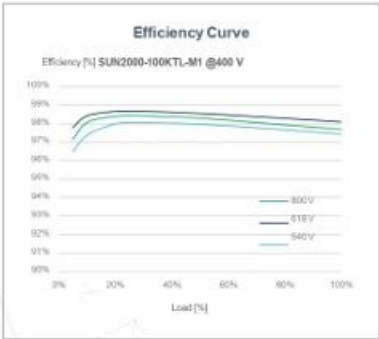
Safe

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 MPPT 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 ... 0.9 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
MGUS	Yes (isolation transformer required)
General Data	
Dimensions (W x H x D)	1,035 x 700 x 365mm (40.7 x 27.6 x 14.4 inch)
Weight (with mounting plate)	90 kg (197.4 lb.)
Operating Temperature Range	-25°C ~ 65°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	Stäubli 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





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*

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
UN9177 Reaction to Fire: Class 1 / Take-e-way

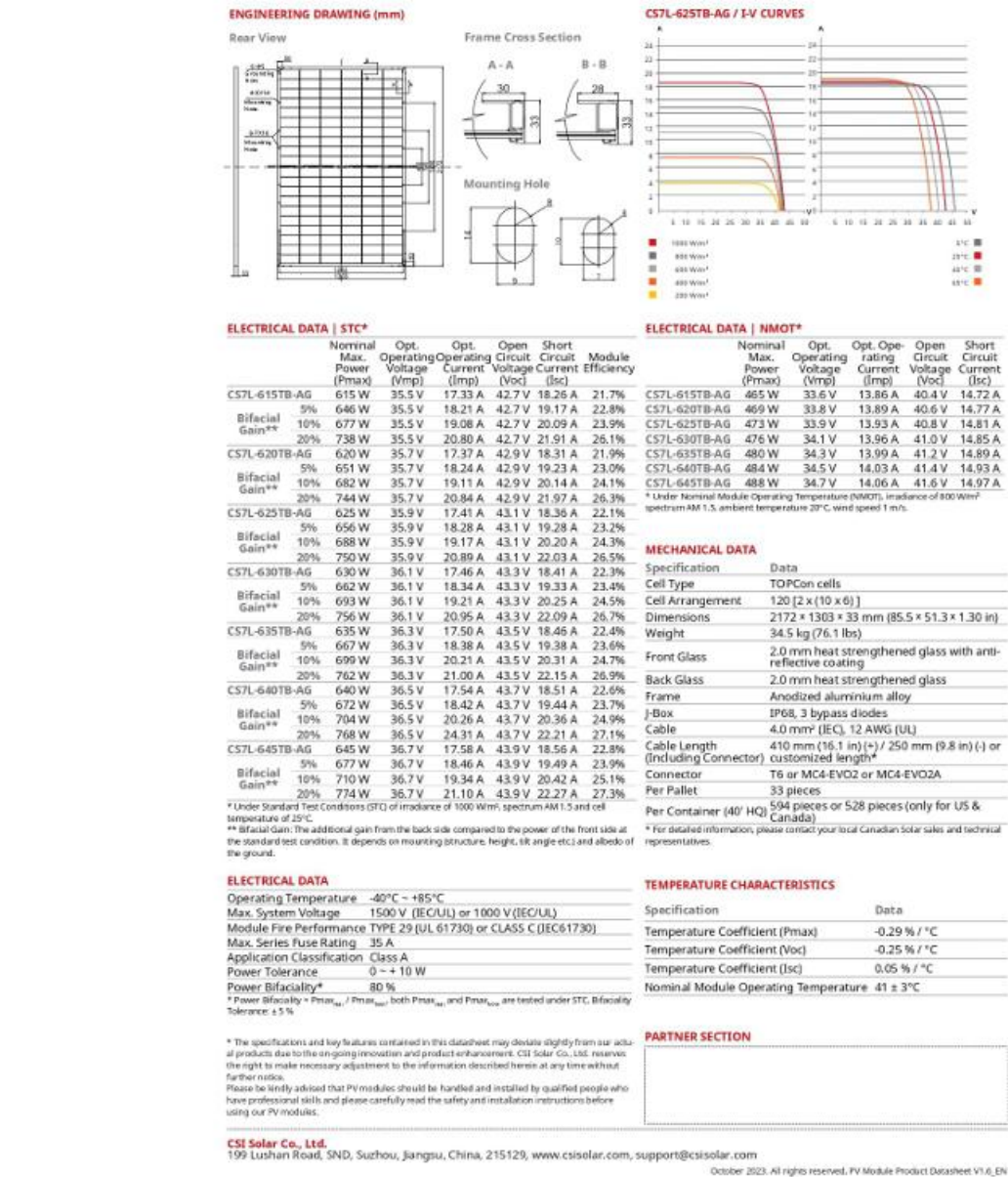


* The specific certificates applicable to different module types and markets will vary,
and therefore not all of the certifications listed herein will simultaneously apply to the
products you order or use. Please contact your local Canadian Solar sales representative
to confirm the specific certificates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

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

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Off # 042-99059302

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

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)

	GOVERNMENT OF THE PUNJAB PLANNING & DEVELOPMENT BOARD 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 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, Uchali, 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

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.

Annexure 27 - Minutes of PDWP Meeting held on 18.04.2025

16. The Chief (Technical) P&D Board highlighted that the cost estimates submitted by the Department were 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:

- 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.
- 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'.
- The cost estimates duly technically vetted by the Department shall be submitted to Technical section of the P&D Board for vetting.
- 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.
- Resident Supervision Consultants should be hired by the AD.
- 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.
- All consultancies shall be structured around specific deliverables and outcomes thereby making them target-based rather than time-based.
- An Environmental Impact Assessment (EIA) shall be carried out at each site prior to the commencement of construction work.
- A solid waste management plan shall be formulated prior to the execution of work at the sites.
- All vehicles procured by the AD shall be properly branded as the property of the FWF Department.
- The AD to revise the PC-I accordingly and upload on SMDP Portal.

The meeting concluded with a vote of thanks.

Minutes of 75th meeting of PDWP held on 18.04.2025

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

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 & Mass Transit 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

FOAS, FW&FD	
Y NO:	7676
IE	18-6-25
(A)	✓
(PM&E)	
(T)	✓
G (M)	
G (Fish)	
LO	
SO (Staff)	
PS (W)	✓

16-06-25

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 25 th 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	

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&ME
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	

	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 CrI.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

	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 Zulfiqar 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.	1 st 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

	Security Ration Card" for the Secured Workers	
74.	Appointment as Member Punjab Labour Appellate Tribunal No.I, Lahore	Labour & HR
75.	Demand of Supplementary Grant for Upgradation and Repair of Existing Bus Shelters in Lahore	
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	Transport & Masstransit
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	
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	PC&CM
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	

Adi
16-06-25

	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- Approval 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

Minutes of 26th Meeting of the Provincial Cabinet: 03.06.2025

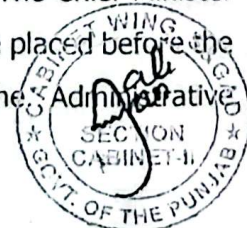
**AGENDA
ITEM
NO.61**

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.



Minutes of 26th Meeting of the Provincial Cabinet: 03.06.2025

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.



**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.



(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.



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:

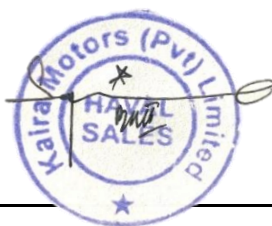
WARRANTY:	6 YEARS / 150,000KM WHICH EVER COMES FIRST
DELIVERY EX SHOWROOM:	3 MONTHS UNIVERSAL DELIVERY TIME FRAME
BOOKING AMOUNT:	15,00,000/- RS ONLY
BOOKING PAYMENT:	PAY ORDER IN FAVOUR OF M/S SAZGAR ENGINEERING WORKS LIMITED A/C CUSTOMER'S NAME FOR BOOKING OF VEHICLE
IMPORTANT NOTE:	PRICE IS PROVISIONAL 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



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



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



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



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



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



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



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



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



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

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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		

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.	Earthwork 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, including 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.)	Amount (Rs.)
				Figure	
6/53 b ii	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embedded 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

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

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 concentrate (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.	Earthwork 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, including carriage of all materials lead 30 km.						
	GRANULAR SUBBASE						
	CARRIAGE WAY	Cft	Area	15,860		0.50	7,930
							7,930

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% C-150, 50% C-150, D-80, 1" 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	Avg. Width	Depth	Quantities
				ft	ft	ft	
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	Avg. Width	Depth	Quantities
				ft	ft	ft	
	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 concentrate (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	18/3aaii	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.	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:- (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:- (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 in position, 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

MEASUREMENT 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

MEASUREMENT 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 and aggregate.							
	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	

MEASUREMENT 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

MEASUREMENT 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 iiii	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 and aggregate.	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:- (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:- 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 : -(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 mortar 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) 1/2" (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) 3/4" (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 1 1/4" 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 lacquer 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 1 1/2" (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. complete in 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"x3/4"), 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 size 1-1/2"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 concentrate (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, including 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, including 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. Preferably 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

INFORMATION CENTER

MEASUREMENT 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)	

INFORMATION CENTER

MEASUREMENT SHEETS

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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							

INFORMATION CENTER

MEASUREMENT SHEETS

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Sr.No	DESCRIPTION		NO.	MEASUREMENT			Contents	
				Length	Breadth	Height		
	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 and aggregate.							
	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	

INFORMATION CENTER

MEASUREMENT SHEETS

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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	

INFORMATION CENTER

MEASUREMENT SHEETS

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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							
	1st 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	

INFORMATION CENTER

MEASUREMENT SHEETS

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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

INFORMATION CENTER

MEASUREMENT SHEETS

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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)	

INFORMATION CENTER

MEASUREMENT SHEETS

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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	

INFORMATION CENTER

MEASUREMENT SHEETS

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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	

INFORMATION CENTER

MEASUREMENT SHEETS

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Sr.No	DESCRIPTION		NO.	MEASUREMENT			Contents	
				Length	Breadth	Height		
						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	

INFORMATION CENTER

MEASUREMENT 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	2,532.00	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 height	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 thick 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

INFORMATION CENTER

MEASUREMENT 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	

INFORMATION CENTER

MEASUREMENT 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		
	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	

INFORMATION CENTER

MEASUREMENT 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

INFORMATION CENTER

MEASUREMENT 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							

INFORMATION CENTER

MEASUREMENT 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, including finishing and complete.

Detail	Unit Rate Per 100 Sft.			
	Qty	Rate Per Unit (Rs.)	Amount (Rs.)	
<u>MATERIAL</u>				
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	
<u>LABOUR</u>				
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	
<u>ITEM RATE</u>				
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	18/3aaii	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.	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:- (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:- 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 mortar 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:- 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:- 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:- 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: 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 hardware etc. complete in 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 deluxe 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 gauze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardware 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 concentrate (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	Providing & 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

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

RESEARCH CENTER

MEASUREMENT 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	

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

RESEARCH CENTER

MEASUREMENT 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	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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 and aggregate.							
	Footing							
	F-1	65%	10	10.50	12.50	2.00	1,706.25	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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							

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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							
	1st 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	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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)	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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	

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

RESEARCH CENTER

MEASUREMENT 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	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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)	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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							

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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						

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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	

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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

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

RESEARCH CENTER

MEASUREMENT SHEETS

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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 i	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 and aggregate.	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:- (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:- 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 mortar 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:- b) 1/2" (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:- c) 3/4" (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:- 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 in position, 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 lacquer 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 hole covered 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 1 1/2" (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"x3/4"), 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 concentrate (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

MEASUREMENT 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	

MEASUREMENT 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 and aggregate.							
	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	

MEASUREMENT 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	

MEASUREMENT 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							
	1st 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	

MEASUREMENT 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	

MEASUREMENT 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		

MEASUREMENT 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							

MEASUREMENT 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

MEASUREMENT 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 i	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 and aggregate.	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:- (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
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 ¾"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 ½"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:- 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:- 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	Distemping:- a) new surface:-	P.Sft	1,068.44	8.76	9,360
		i) one coat	P.Sft	1,068.44	12.12	12,950
		ii) two coats	P.Sft	1,068.44		
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 in position, 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 lacquer 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:	P.Sft	1,138.44	47.26	53,803
		i) 1st coat	P.Sft	1,138.44	26.52	30,191
		ii) 2nd coat	P.Sft	1,138.44		
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"x3/4"), 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 size 1-1/2"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 concentrate (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 Butterfly 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 PARK TOTAL AREA - 815.6 SQM, HARDSCAPE - 194.85 SQM, SOFTSCAPE AREA - 620.75 SQ					
Non-Schedule					
NS 1		Excavation of foundation: 1-Excavation of foundation as per given dimensions in the drawing. 2-Removal of unwanted materials immediately from the compound to any place at full responsibility of the contractor <u>All work shall be at full satisfaction of Engineer Incharge.</u>			
NS 2		PCC M-150 under the foundation. This item and its cost includes following: 1- provision and pouring of the PCC to the given size. 2- curing of the concrete till starting of the masonry. <u>All work shall be at full satisfaction of Engineer.</u>			
NS 3		Brick masonry with mortar: This item and its cost includes following tasks: 1- Provision and doing of break masonry using over-burnt & vitrified second class brick for the first half meter height of the brick wall, approved by Engineer. 2- provision and doing of break masonry using second class brick approved by Engineer. This masonry is for the above 0.5m height of the wall from the foundation. 3- provision and applying of cement-sand mortar 1:5 in the brick masonry as per full satisfaction of Engineer. 4- curing of the masonry till receiving of plastering job. <u>All tasks should be as per full satisfaction of Engineer.</u>			
NS 4		RCC ring beam on the brick wall: This item and its cost includes following tasks: 1- provision and pouring of RCC ring beam using M-200 concrete. 2- curing of the concrete up to receiving plaster. 3- embedding of any anchorage beside the reinforcement in the concrete as shown or guided by Engineer. 4- reinforcement and shattering required for the job. <u>All RCC and related tasks should be as per full satisfaction of Engineer.</u>			

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: This is for the floor finish of half of the house and as well as for the top of the brick wall beneath the roof. This item and its cost includes following: 1- provision and pouring of the PCC to the given size. 2- provision and laying/compaction of 150mm gravel layer underneath. 3- compaction of the existing gourd before gravelling. 4- curing/forming of the concrete. 5- applying of any required steel anchors at the top of the wall's PCC for roof connections, that will be guided and approved by Engineer. All work shall be at full satisfaction of Engineer.				
NS 6		Applying of new cement-sand plastering. This item and its cost includes: 1- applying of 20mm thick plastering to all the brick walls and the RCC ring beam inside/outside surfaces. 2- substrate preparation, grouting using 1:3 cement mortar. 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: 1- provision, applying and compaction of soil around the brick wall after construction. 2- provision and laying of 150-200mm planting soil (agricultural soil) for the half of the House. 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: 1- construction and installation all horizontal members, vertical members, bracings that make the body of the greenhouse all around. 2- construction and installation of steel rafters, purlins, bracings etc. that make the body of the roof for the greenhouse. 3- any other auxiliary items/members/accessories that are required to complete the full greenhouse to its functioning state to the full guidance of Engineer. For example one small part of the greenhouse is a doorset using the same materials/glazing to build. 4- provision and installing of all steel trims around the glazing. 5- glazing of walls/roof as per given drawing, using 5mm thick PC hollow-sheets. 6- using of silicon sealant during installation of glazing all around the grooves. 7- anti-rust painting to all non-galvanized surfaces and parts of the entire steel structure, which will be followed by 3 coats of oil-based painting. 8- installation of floor-mounted and ceiling mounted steel flower racks provided by UNOPS at inside the greenhouse during the steel work and before the painting, so that the flower racks shall also be get the newly oil-based painting coats. See drawings for details, thickness of skins, dimensions etc.				
NS 10	Construction of vertical steel posts. This item and its cost includes following: 1- construction of vertical pipe-columns (about 3.5m each) at the central row of the greenhouse under the rip of the roof. 2- bracing members for this pipe-columns. 3- embedding of the column into the concrete foundations shown. 4- all anti-rust and oil-based painting to all non-galvanized surfaces of the steel members. See drawings for details, thickness of skins, dimensions etc. 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 and its cost includes: 1- applying of 3 coats of 100% plastic, weather-shield, water-based mate painting to all internal/external surfaces of walls and reveals at greenhouse that receive plaster. 2- substrate preparation, and smoothness of surfaces using proper putty. 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 aviary					
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 equivalent 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 rectangular 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 strengthen 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 Butterfly Logo at the Entrance

Trail (Pathway) with in Butterfly 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

Annexure31 - Detailed BOQs

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 equivalent 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 housing, 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.	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 housing, 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

Annexure31 - Detailed BOQs

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 Supply of 4C x 25 sq.mm XLPE Aluminium armoured cable 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)				<u>108,000,000</u>

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 iiii	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 and aggregate.	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:- 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:- 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:- 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: 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 size 1-1/2"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 concentrate (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

MEASUREMENT 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

MEASUREMENT 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 and aggregate.							
	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							

MEASUREMENT 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							
	1st 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

MEASUREMENT 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						

MEASUREMENT 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

MEASUREMENT 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

MEASUREMENT 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 i ii	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	18/3a ii	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.	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

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:- (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:- 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:- 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:- 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:- 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					

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 in position, 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 lacquer 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: 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					

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"x3/4"), 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 size 1-1/2"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 concentrate (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

MEASUREMENT 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

MEASUREMENT 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 and aggregate							
	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	

MEASUREMENT 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

MEASUREMENT 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							

MEASUREMENT 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

MEASUREMENT 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

MEASUREMENT 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 iii	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 and aggregate.	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:- (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:- 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 : -(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 mortar 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 concentrate (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

MAIN RESTAURANT

MEASUREMENT 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	

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

MAIN RESTAURANT

MEASUREMENT 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:	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 and aggregate.							
	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	

MAIN RESTAURANT

MEASUREMENT SHEETS

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Sr.No	DESCRIPTION		NO.	MEASUREMENT			Contents	
				Length	Breadth	Height		
	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							

MAIN RESTAURANT

MEASUREMENT SHEETS

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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							
	1st 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	

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

MAIN RESTAURANT

MEASUREMENT 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		
	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

MEASUREMENT SHEETS

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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	

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

MAIN RESTAURANT

MEASUREMENT 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	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

MEASUREMENT 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

MAIN RESTAURANT

MEASUREMENT 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		
	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

MEASUREMENT 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

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
	18/3aaii	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.	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

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:- (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

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 joints/ccutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequered 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 mortar 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					

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:- 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...				
		Prime Coat	P.Sft	2,464.37	3.93	9,685
	11/23 a	Distempering:- a) new surface:- 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

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: 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"x3/4"), 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 size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardware 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

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 gonol 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 concentrate (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 1/4") all along the door frame complete in all respect.	P.Sft	35.00	350.00	12,250

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. Preferably 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

MEASUREMENT 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	

MEASUREMENT 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 and aggregate.							
	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	

MEASUREMENT 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	

MEASUREMENT 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							
	1st 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	

MEASUREMENT 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

MEASUREMENT 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 Chequered 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						

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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

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 iiii	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 and aggregate.	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

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:- (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:- i) Cement, sand mortar:- Ratio 1:5				

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 joints/ccutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequered 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 mortar 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...				

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:- 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 in position, 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 lacquer 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: i) 1st coat	P.Sft	1,587.60	47.26	75,030
		ii) 2nd coat	P.Sft	1,587.60	26.52	42,103

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"x3/4"), 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 gonol 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

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 concentrate (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 1/4") 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. Preferably 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

MEASUREMENT 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	

MEASUREMENT SHEETS

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

Rest Rooms near Fountain Area (6+6) Block

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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 and aggregate.							
	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	

MEASUREMENT SHEETS

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

Rest Rooms near Fountain Area (6+6) Block

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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	

MEASUREMENT SHEETS

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

Rest Rooms near Fountain Area (6+6) Block

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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							
	1st 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	

MEASUREMENT SHEETS

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

Rest Rooms near Fountain Area (6+6) Block

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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

MEASUREMENT SHEETS

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

Rest Rooms near Fountain Area (6+6) Block

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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 Chequered 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						

MEASUREMENT SHEETS

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

Rest Rooms near Fountain Area (6+6) Block

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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	

MEASUREMENT SHEETS

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

Rest Rooms near Fountain Area (6+6) Block

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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	

MEASUREMENT 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

MEASUREMENT 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	

MEASUREMENT 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	Artificial 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 iiii	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 and aggregate.	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

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:- 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:- 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	Distemping:- a) new surface:- 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				

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: 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 size 1-1/2"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					

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 concentrate (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. Preferably 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

MEASUREMENT 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	

MEASUREMENT 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 and aggregate.							
	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

MEASUREMENT 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

MEASUREMENT 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							
	1st 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							

MEASUREMENT 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)	

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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	Artificial 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 & EMBANKMENT)				
1	3/21 i	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	18/3a	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.	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

Annexure31 - Detailed BOQs

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:- (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

Annexure31 - Detailed BOQs

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:- 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.				-

Annexure31 - Detailed BOQs

		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:- 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:- 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:- 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 in position, 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 lacquer 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

Annexure31 - Detailed BOQs

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: 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

Annexure31 - Detailed BOQs

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 size 1-1/2"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

Annexure31 - Detailed BOQs

		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 concentrate (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

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 iiii	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 and aggregate.	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:- - (2) Type B (nominal mix 1: 1½: 3)				

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:- (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:- 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.				

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:- 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:- 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:- 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

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: 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"x3/4"), 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

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 concentrate (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

MEASUREMENT 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

MEASUREMENT 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 and aggregate.							
	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	

MEASUREMENT 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							
	1st 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"							

MEASUREMENT 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							

MEASUREMENT 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							

MEASUREMENT 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							

MEASUREMENT 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 Iii	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	18/3aaii	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.	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:- (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:- (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:- 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:- 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: 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"x3/4"), 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 size 1-1/2"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 concentrate (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

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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							

MEASUREMENT 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	

MEASUREMENT 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

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	18/3aai	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.	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

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:- (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: ¾" 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/cutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequered 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 mortar 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

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:- 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:- 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:- 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

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: 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"x3/4"), 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 size 1-1/2"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 stainless 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 concentrate (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

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

MEASUREMENT 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 and aggregate						
	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

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

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						
	1st 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

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						

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 Chequered 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

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

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	Weathersheid paint						
i	Ground Floor						

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

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

MEASUREMENT 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	Artificial 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	QUANTIT Y	RATE (PKR)	AMOUNT (PKR)
	Cleaning Work				
1	CLEARING JUNGLE (ORDINARY) BY CUTTING, REMOVING ALL SHRUBS, TREES UP TO 450 MM, GIRTH (18 ₆) 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 development of forest 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

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 iii	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 and aggregate.	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

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: 2)				
		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

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:- 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:- 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:- 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 in position, 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

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:	P.Sft	685.00	47.26	32,373
		i) 1st coat				
		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

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 concentrate (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. Preferably 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

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

MEASUREMENT 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

MEASUREMENT 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 and aggregate.							
	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	

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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"						

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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)	

MEASUREMENT 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							

MEASUREMENT 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

MEASUREMENT 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							

MEASUREMENT 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 i	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	18/3a	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.	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:- - (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:- (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:- 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:- 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:- 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:- 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: 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 deluxe 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 concentrate (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

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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							

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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							
	1st 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	

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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	

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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

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 iii	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 and aggregate.	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

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

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:- 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 : -(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 ¾" 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:- 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 concentrate (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

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		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..		2,281.65	2,150.00	4,905,548
	NS-1		P.Sft			
16		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.		2,281.65	400.00	912,660
	NS-2		P.Sft			
17		Artistic Paint Work 3 Coat of Two/Three or more shades of paint to achieve the desired natural look. Preferably Nippon or equivalent. Paint to be done until final look required is not achieved. Surface Area to be calculated for billing.		2,281.65	450.00	1,026,743
	NS-3		P.Sft			
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

MEASUREMENT 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 and aggregate.							
	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

MEASUREMENT 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

MEASUREMENT 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							
	1st 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

MEASUREMENT 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, reworking, 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 plate 18" dia 1.5 inch thick	24	1.77	Area	0.13	5.30	Cft
	M.S Base plate 10" 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

MEASUREMENT 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 Iii	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 and aggregate.	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:- 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 : -(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:- 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 concentrate (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. Preferably 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

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 and aggregate							
	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

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

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							
	1st 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

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

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 & EMBANKMENT)					
1	3/21 i	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 and aggregate.	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:- (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:- b) 1/2" (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:- c) 3/4" (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:- 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 in position, 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
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 1 1/4" 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 lacquer 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 size 1-1/2"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:- (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 and aggregate.	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:- 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 lacquer 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"x3/4"), 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 size 1-1/2"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 concentrate (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

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

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 and aggregate.							
	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							
	1st 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							

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	

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

**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 i ii	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 and aggregate.	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

**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:- (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

**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:- 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 mortar 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:- 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:- c) ¾" (20 mm) thick (External Plaster)				

**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:- 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 in position, 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 lacquer 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					

**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"x3/4"), 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 size 1-1/2"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

MEASUREMENT 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	

MEASUREMENT 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 and aggregate.							
	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	

MEASUREMENT 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							

MEASUREMENT 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							
	1st 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							

MEASUREMENT SHEETS

SUMMARY OF COST

Construction of Medical Center

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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"							

MEASUREMENT SHEETS

SUMMARY OF COST

Construction of Medical Center

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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							

MEASUREMENT SHEETS

SUMMARY OF COST

Construction of Medical Center

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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	

MEASUREMENT 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

MEASUREMENT 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

MEASUREMENT 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	

MEASUREMENT 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

**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	18/3aaii	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.	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

**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:- (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:- (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:- 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				

**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:- 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:- 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	Distemping:- a) new surface:- 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				

**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: 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"x3/4"), 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				

**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 concentrate (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

Annexure31 - Detailed BOQ

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

MEASUREMENT 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 and aggregate.							
	Footing							

MEASUREMENT 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							
	1st Steps							
	Footing Wall A		1	132.00	1.88	0.50	123.75	
	2nd Steps							

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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 i ii	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 and aggregate.	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:- (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:- 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:- 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 : -(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 mortar 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 hardware etc. complete in 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"x3/4"), 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 size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardware 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 stainless 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 concentrate (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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT 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 PLANING 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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT 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 and aggregate						
	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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASURMENT SHEETS							
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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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT 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						

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT SHEETS							
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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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT 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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT SHEETS							
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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						

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT SHEETS							
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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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT SHEETS							
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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						

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT SHEETS							
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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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT SHEETS							
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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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT 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						

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CORPORATE MEETING OFFICE							
MEASUREMENT SHEETS							
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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

PUNJAB							
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MEASUREMENT 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 plate 2.5' * 2' , 1.5 inch thick	1	8	2.50	2.00	0.13	5.00
	M.S-L Iron Section for Support of Pvc Pannel @ 4' * 4' C/C Both way	4	16	60.00	0.25	0.0208	20.00
	walls						
	M.S-L Iron Section for Support of Pvc Pannel @ 4' * 4' C/C in walls	3	2	60.00	0.25	0.0208	1.88
	M.S-L Iron Section for Support 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

PUNJAB							
CORPORATE MEETING OFFICE							
MEASUREMENT 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 PLAN BOQs							
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

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 and aggregate.	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

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:- (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:- (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:- i) Cement, sand mortar:- Ratio 1:5				
		Foundation	P.Cft	1,965.93	370.56	728,494.33

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 mortar 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) 1/2" (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) 3/4" (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...				

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:- 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 in position, 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 lacquer 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					

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: 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"x3/4"), 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 size 1-1/2"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

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, rebitting, 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

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 concentrate (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

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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 and aggregate.							
	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	

MEASUREMENT 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							

MEASUREMENT 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							

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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 i ii	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 and aggregate.	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:- - (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:- (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:- 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 mortar 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:- 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:- 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:- 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: 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"x3/4"), 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 size 1-1/2"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

MEASUREMENT 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

MEASUREMENT 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 aggregates							
	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	

MEASUREMENT 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							
	1st 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							

MEASUREMENT SHEETS

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

Construction of Ecolodges Double Bed

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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"							

MEASUREMENT SHEETS

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

Construction of Ecolodges Double Bed

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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	

MEASUREMENT SHEETS

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

Construction of Ecolodges Double Bed

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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							

MEASUREMENT 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	

MEASUREMENT SHEETS

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

Construction of Ecolodges Double Bed

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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

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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	Artificial Cladding							
			1	266.00		14.00	3,724.00	
	Deduction							
	D-1		-1	5.00		7.00	(35.00)	

MEASUREMENT 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
	18/3aaii	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.	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:- - (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:- (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:- 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:- 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:- 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:- 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: 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 concentrate (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

MEASUREMENT 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							

MEASUREMENT 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 and aggregate.							
	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.							

MEASUREMENT 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							

MEASUREMENT 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							
	1st 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							
	1st 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	

MEASUREMENT 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							

MEASUREMENT 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

MEASUREMENT 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	

MEASUREMENT 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				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 and aggregate.	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:- - (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:- (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:- 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:- 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:- 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	Distemping:- a) new surface:- 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: 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 concentrate (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

MEASUREMENT 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							

MEASUREMENT 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 and aggregate.							
	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	

MEASUREMENT 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

MEASUREMENT 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)	

MEASUREMENT 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							

MEASUREMENT 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							

MEASUREMENT 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-3Fully furnished, equipped, geodesic dome
A-Frame glamp (Single bed)

Detail	Unit Rate (British System) per Each		
	Qty	Rate Per Unit (Rs.)	Amount (Rs.)
<u>Material</u>			
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
<u>Item Rates</u>			
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

MEASUREMENT 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 gauge, with the help of 1"x1/8" GI patti, GI clamp and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8ft C/C duly embedded 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 Entrance 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 STEEL 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 ELECTRICAL 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 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 pressure 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. d) PN -12.5 (SDR-13.6) 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):- b) Three core, 600/1000 volt cable 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):- 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. 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 (Recessed/Surfacemounted Type), Powder coated Paint, i/c the cost 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). (a) 6" deep (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 comissioning 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 screws,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. 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. including 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 commissioning with Addressable Break Glass unit,(Manual Call Point) with key type EN-54 having a built in short circuit isolator and microprocessor to ensure a response time 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. 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 prelaidd conduit/duct. MakePony / Belden/ Covican (Italy) or equivalent as approved and directed by the Engineer Incharge. 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. 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") - 2.5mm ² copper conductor, PVC insulated cable complete (excluding conduit), supply and fixing.	Meters	1800	394	709,380
2a	24/90a/iii	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	24/90a/iii	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, tapered 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 pre-laid 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 device i/c the cost 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. 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) IP-65 rating 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		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	NS	1C x 16 mm ²	Meters	1000	494	493,920
b		1C x 25 mm ²	Meters	1000	635	635,040
c		1C x 35 mm ²	Meters	1000	706	705,600
d		1C x 50 mm ²	Meters	1000	900	900,000
e		1C x 70 mm ²	Meters	1000	1200	1,200,000
f		1C x 95mm ²	Meters	3000	1500	4,500,000
g		1C x 120 mm ²	Meters	1000	2000	2,000,000
h		1C x 150mm ²	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, tapered 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 ENTRANCE 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
		Note: Following cables are for (P+N+CPE)				-
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	75	120	8,989
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	40	240	9,584
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
a		6mm ²	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 ENTRANCE 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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 56" dia	Each	2	10,819	21,639

MAIN ENTRANCE 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 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. 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. 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. 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 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 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

Annexure31 - Detailed BOQs

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 10mm ² 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
		Note: Following cables are for (P+N+CPE)				-
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	75	120	8,989
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	40	240	9,584
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
a		6mm ²	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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 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 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. 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. 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. 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 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 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 10mm ² 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 ELECTRICAL 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. 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 pre-laid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	600	120	71,910
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	300	173	51,900
	iv	7/0.036" (4mm ²)	Meter	300	240	71,880
	v	7/0.044" (6mm ²)	Meter	400	333	133,340
		Three Core Cable				
	CH-24-14-b-v	Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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				-

Annexure31 - Detailed BOQs

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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 56" dia	Each	1	10,819	10,819
11		Bracket Fan				

Annexure31 - Detailed BOQs

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. 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 (m³/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

Annexure31 - Detailed BOQs

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 (m³/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, refrigerant 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 ELECTRICAL 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 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 pre-laid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
		Note: Following cables are for (P+N+CPE)				-
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	50	120	5,993
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	40	240	9,584
	v	7/0.044" (6mm ²)	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)				

Annexure31 - Detailed BOQs

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). 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. QTY: 01 a) 6" deep i) 20-60A Size: 300 x 300 x 150mm	Cft	0.47	24,467	11,499
a		DB SUVANIOUR SHOP				-

Annexure31 - Detailed BOQs

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. 18" sweep	Each	1	7,302	7,302
SCHEDULE ITEMS TOTAL COST						133,718

Annexure31 - Detailed BOQs

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 decorative 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 25mm ² 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	150	120	17,978
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	70	173	12,110
	iv	7/0.036" (4mm ²)	Meter	100	240	23,960
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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). 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. 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 prelaidd 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 prelaidd 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				

Annexure31 - Detailed BOQs

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 35mm ² 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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	700	120	83,895
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	350	173	60,550
	iv	7/0.036" (4mm ²)	Meter	300	240	71,880
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a	v	6mm ²	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. 3 Phase Meter 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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 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 aluminim 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, refrigerant 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 35mm ² 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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	800	120	95,880
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	600	173	103,800
	iv	7/0.036" (4mm ²)	Meter	500	240	119,800
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a	v	6mm ²	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. 3 Phase Meter 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). 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. QTY: 02 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 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 aluminim 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, refrigerant 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 35mm ² 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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	75	120	8,989
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	35	240	8,386
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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). 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. 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 prelaidd 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 prelaidd 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. 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 16mm ² 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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	150	120	17,978
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	50	173	8,650
	iv	7/0.036" (4mm ²)	Meter	100	240	23,960
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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). 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. Size: 850 x 650 x 200 mm 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 prelaidd 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 prelaidd 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				

Annexure31 - Detailed BOQs

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 (m³/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				

Annexure31 - Detailed BOQs

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 35mm ² 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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	300	120	35,955
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	100	173	17,300
	iv	7/0.036" (4mm ²)	Meter	200	240	47,920
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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). 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. Size: 850 x 650 x 200 mm 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 prelaidd 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 prelaidd 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				

Annexure31 - Detailed BOQs

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 (m³/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

Annexure31 - Detailed BOQs

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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	125	120	14,981
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	50	173	8,650
	iv	7/0.036" (4mm ²)	Meter	70	240	16,772
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a	v	6mm ²	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. 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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 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, refrigerant 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 25mm ² 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 35mm ² 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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	250	120	29,963
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	100	173	17,300
	iv	7/0.036" (4mm ²)	Meter	140	240	33,544
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a	v	6mm ²	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. 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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 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, refrigerant 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, refrigerant 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 35mm ² 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 35mm ² 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 ELECTRICAL 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 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 pressure pipe, Beta/Dadex/Popular/ ILL or approved equivalent manufacturer, including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects. d) PN -12.5 (SDR-13.6) 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):- b) Three core, 600/1000 volt cable 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):- 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				

Annexure31 - Detailed BOQs

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. 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). (a) 6" deep (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				
	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	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

Annexure31 - Detailed BOQs

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

Annexure31 - Detailed BOQs

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

Annexure31 - Detailed BOQs

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

Annexure31 - Detailed BOQs

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 infratructure 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

Annexure31 - Detailed BOQs

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

Annexure31 - Detailed BOQs

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

Annexure31 - Detailed BOQs

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 Access 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

Annexure31 - Detailed BOQs

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	Enterprise 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					

Annexure31 - Detailed BOQs

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

Annexure31 - Detailed BOQs

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 Surveillance					
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

Annexure31 - Detailed BOQs

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	Centralized 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					

Annexure31 - Detailed BOQs

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	Addition of Bansra Gali Wildlife Park content in existing website	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

Annexure31 - Detailed BOQs

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

Annexure31 - Detailed BOQs

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	Bioacoustic 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					

Annexure31 - Detailed BOQs

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	Networking Infrastructure including firewall, core switches and wireless connectivity	Networking 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 i	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:- (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:- 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 joints/cutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequered 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 mortar 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:- 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:- 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:- 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: 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"x3/4"), 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 gonol 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 concentrate (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 1/4") 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

MEASUREMENT 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	

MEASUREMENT 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						

MEASUREMENT 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							
	1st 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	

MEASUREMENT 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

MEASUREMENT 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 Chequered 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						

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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

MEASUREMENT 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	Artificial 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 i	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:- (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:- 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 joints/cutting grinding complete in all respect as approved and directed by the Engineer Incharge. c) Non-Skid Chequered 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:- 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:- 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:- 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: 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"x3/4"), 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 gonol 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 concentrate (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 1/4") 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

MEASUREMENT 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	

MEASUREMENT 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						

MEASUREMENT 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							
	1st 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	

MEASUREMENT 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

MEASUREMENT 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 Chequered 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						

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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

MEASUREMENT 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 i	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)

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ENGINEER'S COST ESTIMATE
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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:- (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:- 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

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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 : -(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 ¾" 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 ½"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 ¾" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge.				
		(i) ¾" 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:- 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:- c) ¾" (20 mm) thick (External Plaster)				

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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:	P.Sft	3,024.00	47.26	142,914
		i) 1st coat				
		ii) 2nd coat	P.Sft	3,024.00	26.52	80,196
	25. IRON WORK					

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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"x3/4"), 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

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

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 concentrate (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

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

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MEASUREMENT 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

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

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MEASUREMENT SHEETS

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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	

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MEASUREMENT SHEETS

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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							
	1st 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	

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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	

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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	

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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							

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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	

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

INFORMATION CENTER

MEASUREMENT 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	Weathersheid 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

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

INFORMATION CENTER

MEASUREMENT 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							

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

INFORMATION CENTER

MEASUREMENT 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, including finishing and complete.

Detail		Unit Rate Per 100 Sft.				
		Qty		Rate Per Unit (Rs.)		Amount (Rs.)
<u>MATERIAL</u>						
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
<u>LABOUR</u>						
	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
<u>ITEM RATE</u>						
	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

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 iiii	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:- (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:- 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 : -(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 ¾"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 ½"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 ¾" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.				
		(i) ¾" 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:- 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:- 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:- 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 concentrate (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

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

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

RESTAURANT

MEASUREMENT 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	

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

RESTAURANT

MEASUREMENT SHEETS

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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	

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

RESTAURANT

MEASUREMENT 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	

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

RESTAURANT

MEASUREMENT 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							
	1st 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	

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

RESTAURANT

MEASUREMENT 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							

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

RESTAURANT

MEASUREMENT 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	

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

RESTAURANT

MEASUREMENT 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							

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

RESTAURANT

MEASUREMENT 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

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

RESTAURANT

MEASUREMENT 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

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 i	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:- - (2) Type B (nominal mix 1: 1½: 3)				
		Foundation	P.Cft	841.52	694.70	584,605.68

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:- (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:- 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.				

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:- 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:- 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:- 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: 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						

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"x3/4"), 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

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 concentrate (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 1/4") 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

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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							

MEASUREMENT 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

MEASUREMENT 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

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 i	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:- - (2) Type B (nominal mix 1: 1½: 3)				
		Foundation	P.Cft	841.52	694.70	584,605.68

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:- (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:- 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.				

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:- 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:- 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:- 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: 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						

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"x3/4"), 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

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 concentrate (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 1/4") 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

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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							

MEASUREMENT 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	Weathersheid 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

MEASUREMENT 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

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 and aggregate.	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

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:- - (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:- (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:- 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				

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 mortar 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:- b) 1/2" (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:- c) 3/4" (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:- 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					

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: 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						

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"x3/4"), 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

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 1/4") 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

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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 and aggregate.							
	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

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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	

MEASUREMENT 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	

MEASUREMENT 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)	

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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

MEASUREMENT 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

MEASUREMENT 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)	

MEASUREMENT 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	Artificial 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

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

Annexure31 - Detailed BOQs

MEASUREMENT 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 gauge, with the help of 1"x1/8" GI patti, GI clamp and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8ft C/C duly embedded 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 STEEL 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 ELECTRICAL 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 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 pressure pipe, Beta/Dadex/Popular/ ILL or approved equivalent manufacturer, including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects. d) PN -12.5 (SDR-13.6) 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):- b) Three core, 600/1000 volt cable 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):- 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. 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 (Recessed/Surfacemounted Type), Powder coated Paint, i/c the cost 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). (a) 6" deep (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 comissioning 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 screws,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. 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. including 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 commissioning with Addressable Break Glass unit,(Manual Call Point) with key type EN-54 having a built in short circuit isolator and microprocessor to ensure a response time 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. 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. 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. 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				
		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") - 2.5mm ² 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, tapered 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 pre-laid 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 device i/c the cost 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. 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) IP-65 rating 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		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	NS	1C x 16 mm ²	Meters	200	494	98,784
b		1C x 25 mm ²	Meters	200	635	127,008
c		1C x 35 mm ²	Meters	200	706	141,120
d		1C x 50 mm ²	Meters	200	900	180,000
e		1C x 70 mm ²	Meters	200	1200	240,000
f		1C x 95mm ²	Meters	1000	1500	1,500,000
g		1C x 120 mm ²	Meters	200	2000	400,000
h		1C x 150mm ²	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, tapered 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 ENTRANCE 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
		Note: Following cables are for (P+N+CPE)				-
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	75	120	8,989
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	40	240	9,584
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
a		6mm ²	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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 56" dia	Each	2	10,819	21,639

MAIN ENTRANCE 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 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. 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. 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. 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 Double I/O	Each	2	2,795	5,590
SCHEDULE ITEMS TOTAL COST						693,621

MAIN ENTRANCE 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 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 10mm ² 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 ELECTRICAL 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	600	120	71,910
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	300	173	51,900
	iv	7/0.036" (4mm ²)	Meter	300	240	71,880
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 56" dia	Each	1	10,819	10,819
11		Bracket Fan				

Annexure31 - Detailed BOQs

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. 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 (m³/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

Annexure31 - Detailed BOQs

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 (m³/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, refrigerant 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 ELECTRICAL 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 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 pre-laid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
		Note: Following cables are for (P+N+CPE)				-
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	50	120	5,993
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	40	240	9,584
	v	7/0.044" (6mm ²)	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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 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 decorative 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 25mm ² 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	150	120	17,978
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	70	173	12,110
	iv	7/0.036" (4mm ²)	Meter	100	240	23,960
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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). 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. 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	Supplying, 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				

Annexure31 - Detailed BOQs

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 35mm ² 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	800	120	95,880
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	600	173	103,800
	iv	7/0.036" (4mm ²)	Meter	500	240	119,800
	v	7/0.044" (6mm ²)	Meter	400	333	133,340
4		Three Core Cable				
	CH-24-14-b	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a	v	6mm ²	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. 3 Phase Meter 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). 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. QTY: 02 a) 6" deep i) 20-60A 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	Supplying, 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. 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, refrigerant 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 35mm ² 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	75	120	8,989
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	35	240	8,386
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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). 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. 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 prelaidd 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 prelaidd 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. 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 16mm ² 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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	150	120	17,978
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	50	173	8,650
	iv	7/0.036" (4mm ²)	Meter	100	240	23,960
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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). 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. Size: 850 x 650 x 200 mm 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 prelaidd 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 prelaidd 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				

Annexure31 - Detailed BOQs

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 (m³/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 35mm ² 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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	300	120	35,955
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	100	173	17,300
	iv	7/0.036" (4mm ²)	Meter	200	240	47,920
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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). 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. Size: 850 x 650 x 200 mm 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 prelaidd 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 prelaidd 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				

Annexure31 - Detailed BOQs

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 (m³/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 ELECTRICAL 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
		Note: Following cables are for (P+N+CPE)				-
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	500	120	59,925
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	250	173	43,250
	iv	7/0.036" (4mm ²)	Meter	250	240	59,900
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
a		6mm ²	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. 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

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	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

Annexure31 - Detailed BOQs

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 Switches	25 Port POE Switches	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

Annexure31 - Detailed BOQs

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

Annexure31 - Detailed BOQs

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 Ec lodges 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

Annexure31 - Detailed BOQs

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 i	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:- (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:- 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 mortar 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: 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 concentrate (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

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

INFORMATION CENTER

MEASUREMENT 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

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

INFORMATION CENTER

MEASUREMENT 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	

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

INFORMATION CENTER

MEASUREMENT 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

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

INFORMATION CENTER

MEASUREMENT 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							

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

INFORMATION CENTER

MEASUREMENT 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 i	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:- - (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:- (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:- 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:- 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:- 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:- 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 ¾" (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: 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"x3/4"), 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 concentrate (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

MEASUREMENT 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

MEASUREMENT 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	

MEASUREMENT SHEETS

Annexure 31 - Detailed BOQs

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							

MEASUREMENT 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	

MEASUREMENT 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 iii	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:- (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:- 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 ¾"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 mortar 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:- b) 1/2" (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:- c) 3/4" (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:- 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: 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 concentrate (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

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

RESTAURANT

MEASUREMENT 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	

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

RESTAURANT

MEASUREMENT 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

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

RESTAURANT

MEASUREMENT 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							

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

RESTAURANT

MEASUREMENT 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

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 i	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:- - (2) Type B (nominal mix 1: 1½: 3)				
		Foundation	P.Cft	438.23	694.70	304,438.82

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:- (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:- 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.				

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:- 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:- 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:- 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

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 lacquer 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: 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						

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"x3/4"), 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

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 concentrate (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 1/4") all along the door frame complete in all respect.	P.Sft	35.00	350.00	12,250.00

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

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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		
	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	
	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

MEASUREMENT 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	

MEASUREMENT 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)	

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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

MEASUREMENT 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

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 i	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:- - (2) Type B (nominal mix 1: 1½: 3)				
		Foundation	P.Cft	438.23	694.70	304,438.82

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:- (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:- 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.				

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:- 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:- 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:- 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

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 lacquer 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: 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						

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"x3/4"), 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

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 concentrate (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 1/4") all along the door frame complete in all respect.	P.Sft	35.00	350.00	12,250.00

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

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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		
	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	
	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

MEASUREMENT 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	

MEASUREMENT 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)	

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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

MEASUREMENT 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

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 i	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:- (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:- (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 MASONRY						
10	7/4 i	Pacca brick work in foundation and plinth in:- 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:- 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:- 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:- 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 ¾"(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: i) 1st coat	P.Sft	847.82	47.26	40,068
		ii) 2nd coat	P.Sft	847.82	26.52	22,484

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 concentrate (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

MEASUREMENT 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							

MEASUREMENT 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	

MEASUREMENT 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						
	1st 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						
	1st 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						

MEASUREMENT 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	

MEASUREMENT 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							

MEASUREMENT 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

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 i	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:- (2) Type B (nominal mix 1: 1½: 3)				
		Foundation	P.Cft	816.70	694.70	567,364

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:- (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 MASONRY					
10	7/4 i	Pacca brick work in foundation and plinth in:- 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 ¾"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

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:- 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:- 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:- 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						

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: 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					

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 concentrate (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

MEASUREMENT 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						

MEASUREMENT 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							

MEASUREMENT 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						
	1st 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						
	1st 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	

MEASUREMENT 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						

MEASUREMENT 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	

MEASUREMENT 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

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 i	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:- - (2) Type B (nominal mix 1: 1½: 3)				

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:- (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:- 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

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 mortar 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:- 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:- 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:- i) one coat	P.Sft	4,847.13	8.65	41,928
		ii) two coats	P.Sft	4,847.13	11.99	58,117

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: 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

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 concentrate (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

MEASUREMENT 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						

MEASUREMENT 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						

MEASUREMENT 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						
	1st 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	

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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	

MEASUREMENT 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						

MEASUREMENT 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

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

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

MEASUREMENT 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 and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8ft C/C duly embedded 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

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 iiii	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:- - (2) Type B (nominal mix 1: 1½: 3)				
		Foundation	P.Cft	840.00	667.30	560,532

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:- (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:- 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

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 lacquer 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 1 1/4" 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 1 1/2" (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 deluxe 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"x3/4"), 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

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 concentrate (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

MEASUREMENT 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							

MEASUREMENT 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	

MEASUREMENT 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

MEASUREMENT 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

MEASUREMENT 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 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 STEEL 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 ELECTRICAL 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 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 pressure pipe, Beta/Dadex/Popular/ ILL or approved equivalent manufacturer, including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects. d) PN -12.5 (SDR-13.6) 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):- b) Three core, 600/1000 volt cable 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):- 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. 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 (Recessed/Surfacemounted Type), Powder coated Paint, i/c the cost 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). (a) 6" deep (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 screws,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. 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. including 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 commissioning with Addressable Break Glass unit,(Manual Call Point) with key type EN-54 having a built in short circuit isolator and microprocessor to ensure a response time 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. 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 prelaidd conduit/duct. MakePony / Belden/ Covican (Italy) or equivalent as approved and directed by the Engineer Incharge. 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. 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") - 2.5mm ² copper conductor, PVC insulated cable complete (excluding conduit), supply and fixing.	Meters	1800	394	709,380
2a	24/90a/iii	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	24/90a/iii	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, tapered 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 pre-laid 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 device i/c the cost 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. 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) IP-65 rating 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		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	NS	1C x 16 mm ²	Meters	200	494	98,784
b		1C x 25 mm ²	Meters	200	635	127,008
c		1C x 35 mm ²	Meters	200	706	141,120
d		1C x 50 mm ²	Meters	200	900	180,000
e		1C x 70 mm ²	Meters	200	1200	240,000
f		1C x 95mm ²	Meters	1000	1500	1,500,000
g		1C x 120 mm ²	Meters	200	2000	400,000
h		1C x 150mm ²	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, tapered 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 ENTRANCE 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
		Note: Following cables are for (P+N+CPE)				-
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	75	120	8,989
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	40	240	9,584
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
a		6mm ²	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 ENTRANCE 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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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	Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaidd 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. 56" dia	Each	2	10,819	21,639

MAIN ENTRANCE 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 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. 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. 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. 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 Double I/O	Each	2	2,795	5,590
SCHEDULE ITEMS TOTAL COST						693,621

MAIN ENTRANCE 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 oPower: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 10mm ² 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	75	120	8,989
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	35	240	8,386
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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). 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. 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 prelaidd 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 prelaidd 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. 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 16mm ² 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	150	120	17,978
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	70	173	12,110
	iv	7/0.036" (4mm ²)	Meter	100	240	23,960
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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). 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. 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 prelaidd 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 prelaidd 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				

Annexure31 - Detailed BOQs

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 35mm ² 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 ELECTRICAL 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	600	120	71,910
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	300	173	51,900
	iv	7/0.036" (4mm ²)	Meter	300	240	71,880
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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				-

Annexure31 - Detailed BOQs

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). 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. QTY: 01 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 56" dia	Each	1	10,819	10,819
11		Bracket Fan				

Annexure31 - Detailed BOQs

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. 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 (m³/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

Annexure31 - Detailed BOQs

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 (m³/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, refrigerant 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 ELECTRICAL 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 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 pre-laid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
		Note: Following cables are for (P+N+CPE)				-
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	50	120	5,993
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	20	173	3,460
	iv	7/0.036" (4mm ²)	Meter	40	240	9,584
	v	7/0.044" (6mm ²)	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)				

Annexure31 - Detailed BOQs

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). 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. QTY: 01 a) 6" deep i) 20-60A Size: 300 x 300 x 150mm	Cft	0.47	24,467	11,499
a		DB SUVANIOUR SHOP				-

Annexure31 - Detailed BOQs

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. 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 decorative 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 25mm ² 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	800	120	95,880
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	600	173	103,800
	iv	7/0.036" (4mm ²)	Meter	500	240	119,800
	v	7/0.044" (6mm ²)	Meter	400	333	133,340
4		Three Core Cable				
	CH-24-14-b	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a	v	6mm ²	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. 3 Phase Meter 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). 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. QTY: 02 a) 6" deep i) 20-60A 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 prelaidd 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 prelaidd 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. 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 aluminim 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, refrigerant 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 35mm ² 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") - 2.5mm ² 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, tapered 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 pre-laid 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 device i/c the cost 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. 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) IP-65 rating 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 95mm ²	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, tapered 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") - 2.5mm ² 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, tapered 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 pre-laid 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 device i/c the cost 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. 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) IP-65 rating 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 95mm ²	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, tapered 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") - 2.5mm ² 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, tapered 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 device i/c the cost 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. 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) IP-65 rating 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 switches, 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 95mm ²	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, tapered 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 ELECTRICAL 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 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. 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 prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	150	120	17,978
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	50	173	8,650
	iv	7/0.036" (4mm ²)	Meter	100	240	23,960
	v	7/0.044" (6mm ²)	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 prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 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). 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. Size: 850 x 650 x 200 mm 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 prelaidd 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 prelaidd 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				

Annexure31 - Detailed BOQs

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 (m³/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 35mm ² 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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	300	120	35,955
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	100	173	17,300
	iv	7/0.036" (4mm ²)	Meter	200	240	47,920
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm ²	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. 16A SPN Isolator Indoor/Outdoor type.	Each	2	4,733	9,466

Annexure31 - Detailed BOQs

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). 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. Size: 850 x 650 x 200 mm 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 prelaidd 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 prelaidd 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				

Annexure31 - Detailed BOQs

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 (m³/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 ELECTRICAL 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 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. 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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
		Note: Following cables are for (P+N+CPE)				
	i	3/0.74mm" (3/0.029") - (1.5mm ²)	Meter	125	120	14,981
	iii	7/0.74 mm (7/0.029") - (2.5mm ²)	Meter	50	173	8,650
	iv	7/0.036" (4mm ²)	Meter	70	240	16,772
	v	7/0.044" (6mm ²)	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) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a	v	6mm ²	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. 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

Annexure31 - Detailed BOQs

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 Switch	25 Port POE Switch	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					

Annexure31 - Detailed BOQs

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

Annexure31 - Detailed BOQs

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).**

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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.pkwww.ecsp.com.pk	PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE: LIST OF DRAWING	DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
			DESIGNED BY:	MIR SHEHREYAR			AR- 0001							
			CHECKED BY:	ZEESHAN ALI			SCALE:	SHEET:						
			APPROVED BY:											
			DATE:	NOVEMBER, 2024										

LIST OF DRAWINGS		
Drawings Name	Drawing no.	Remarks
TICKETING BOOTH PLANS	AR-1801	
TICKETING 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	

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			DESIGNED BY:	MIR SHEHREYAR		AR- 0002									
			CHECKED BY:	ZEESHAN ALI		SCALE:	SHEET:								
			APPROVED BY:												
			DATE:	NOVEMBER, 2024											

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:

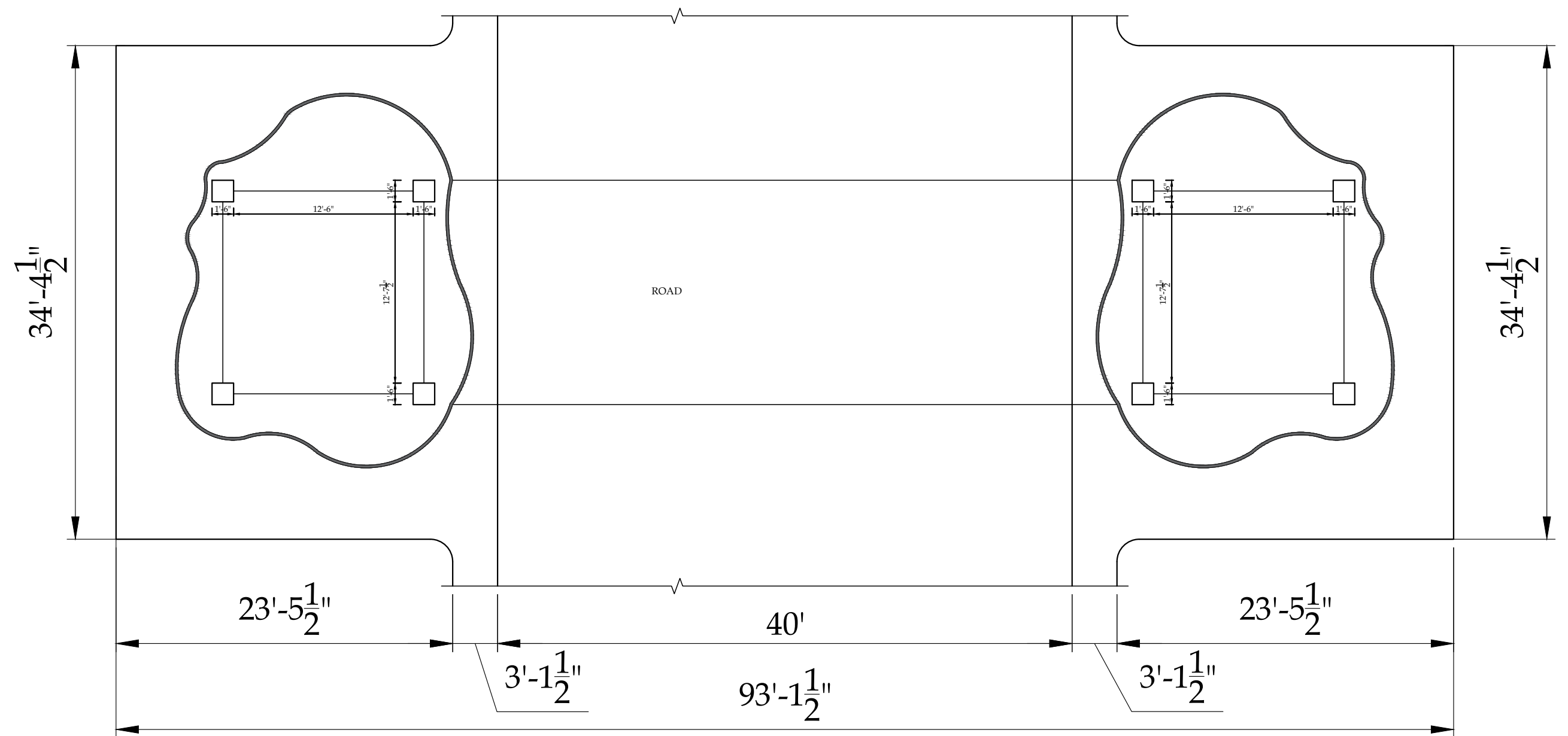


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PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

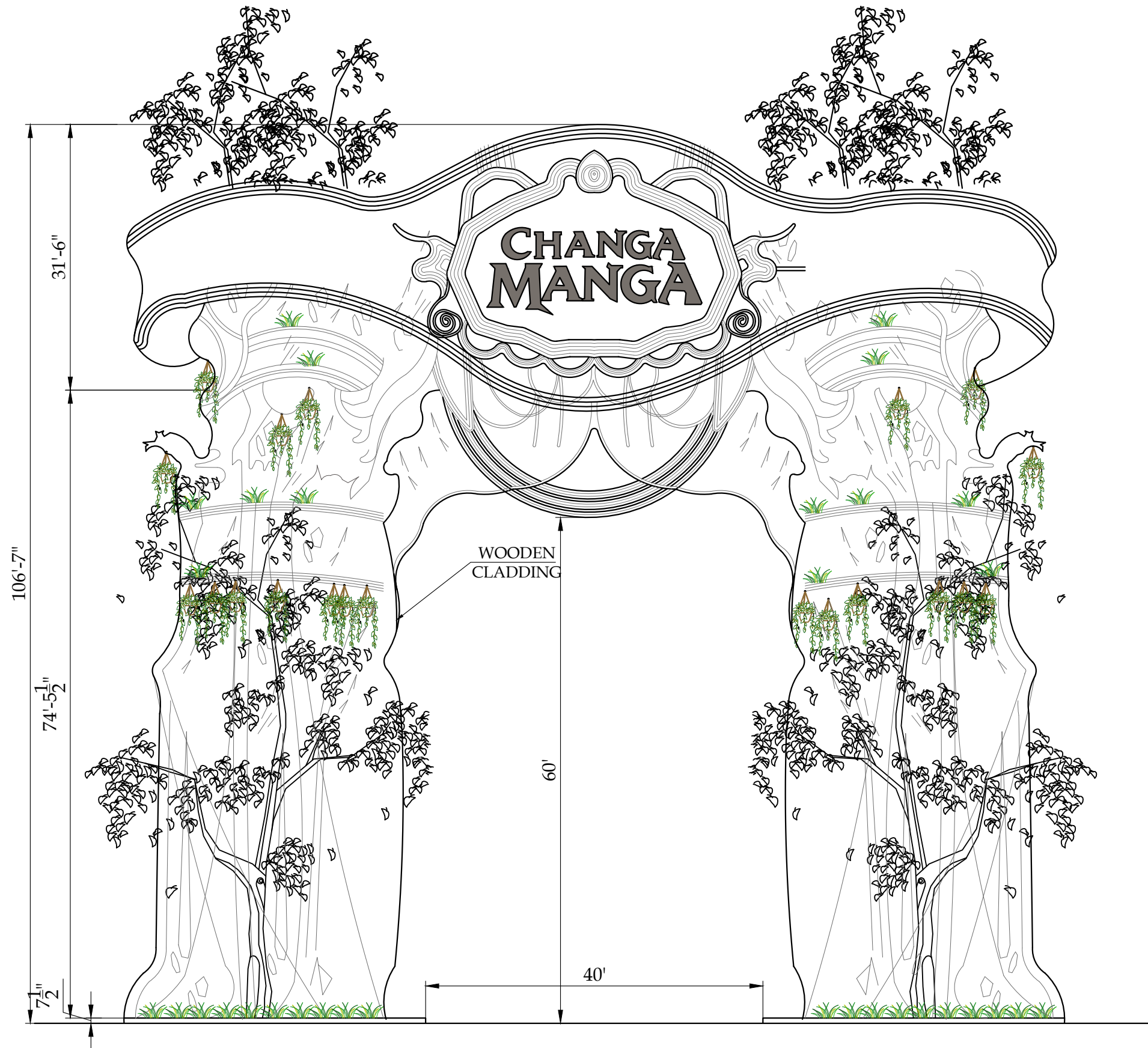
+92-42-99333976, +92-42-5717681-4

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:	DRAWING NO:	REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY: MIR SHEHREYAR	GATE PLAN	AR-0101				
			CHECKED BY: ZEESHAN ALI		SCALE:	SHEET:			
			APPROVED BY:		A3				
			DATE: NOVEMBER, 2024						



MAIN 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-0102	REV.	DESCRIPTION	SIGN.	DATE
						SCALE:	SHEET:		
			DESIGNED BY:	MIR SHEHREYAR			A3		
			CHECKED BY:	ZEESHAN ALI					
			APPROVED BY:						
			DATE:	NOVEMBER, 2024					

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:

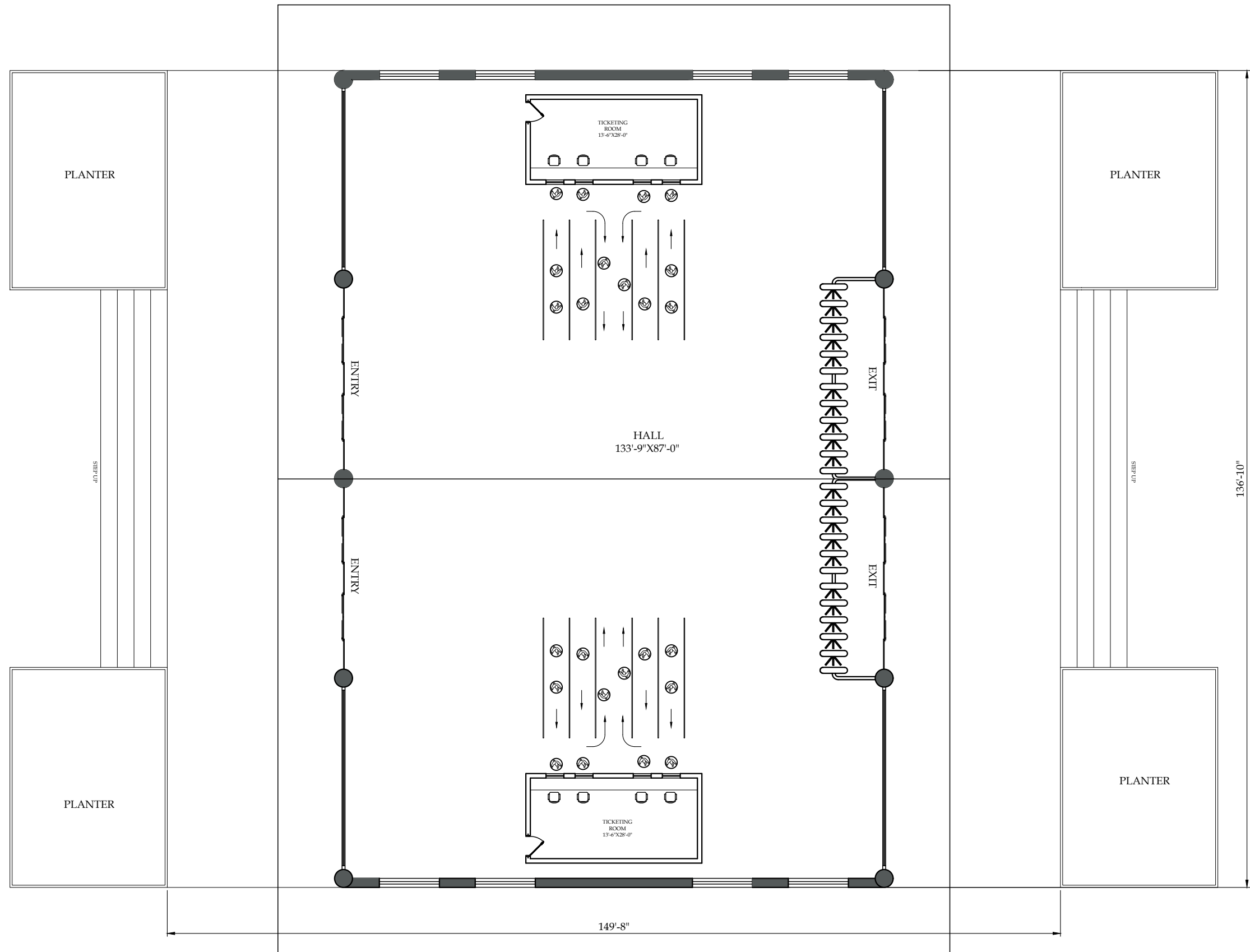


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PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

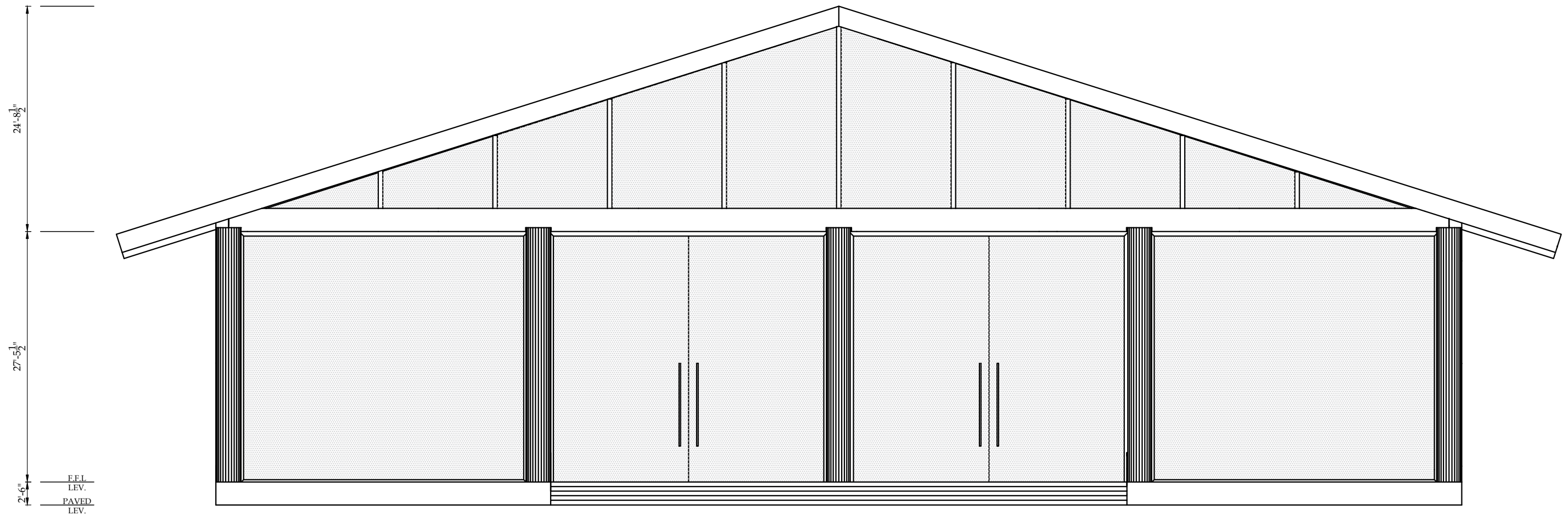
+92-42-99333976, +92-42-5717681-4

@ info@ecsp.com.pk @ www.ecsp.com.pk

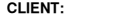


INFORMATION CENTER
G.F PLAN

CLIENT: 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: MAIN PLAN	DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY:	MIR SHEHREYAR		AR- 0201					
			CHECKED BY:	ZEESHAN ALI		SCALE:	SHEET:				
			APPROVED BY:								
			DATE:	NOVEMBER, 2024			A3				



INFORMATION CENTER
FRONT ELEVATION

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE				
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA			DESIGNED BY:		MIR SHEHREYAR		FRONT ELEVATION		AR- 0202							
									CHECKED BY:		ZEESHAN ALI											
									APPROVED BY:						SCALE:						SHEET:	
									DATE:		NOVEMBER, 2024										A3	

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:

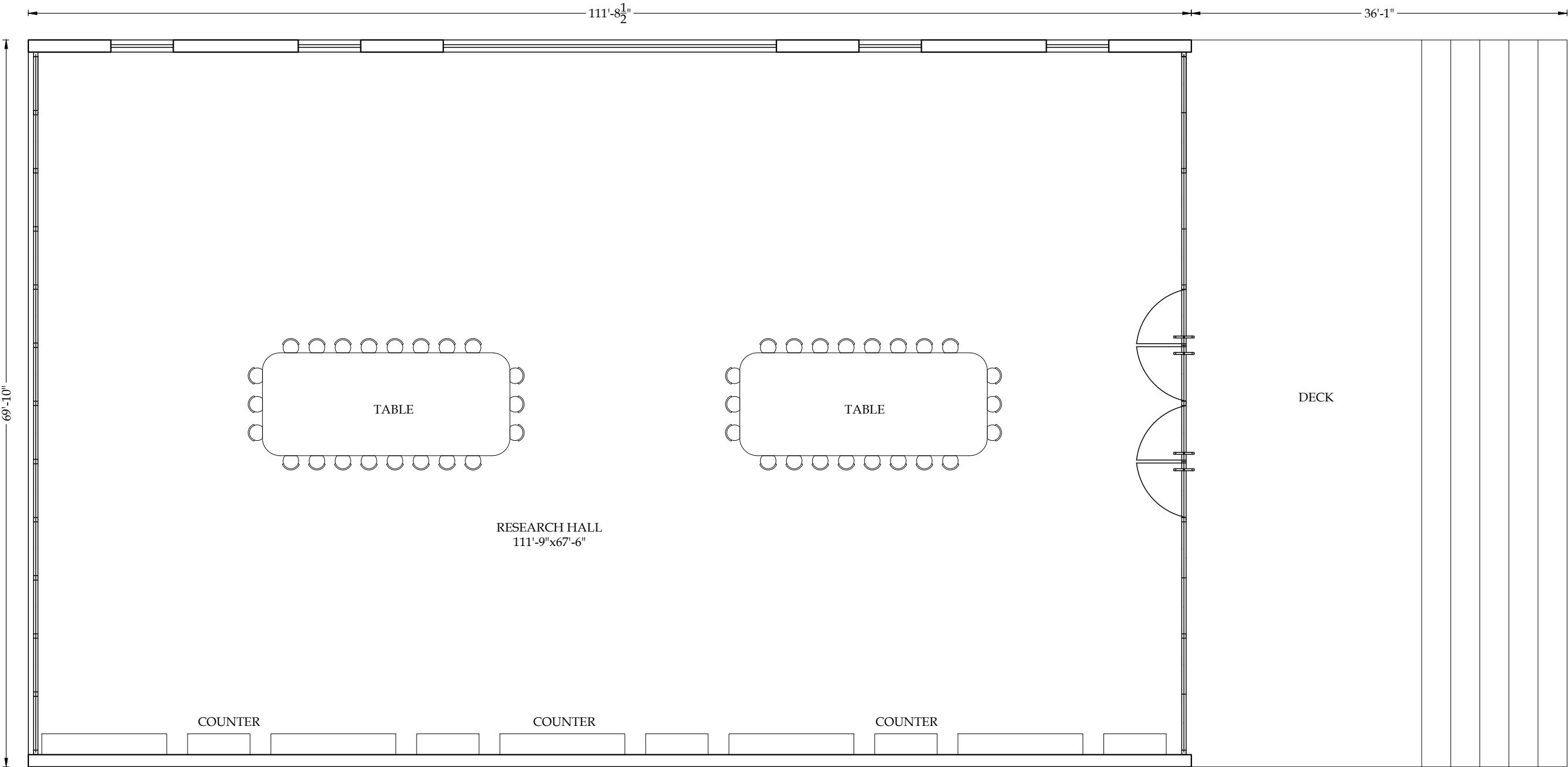


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

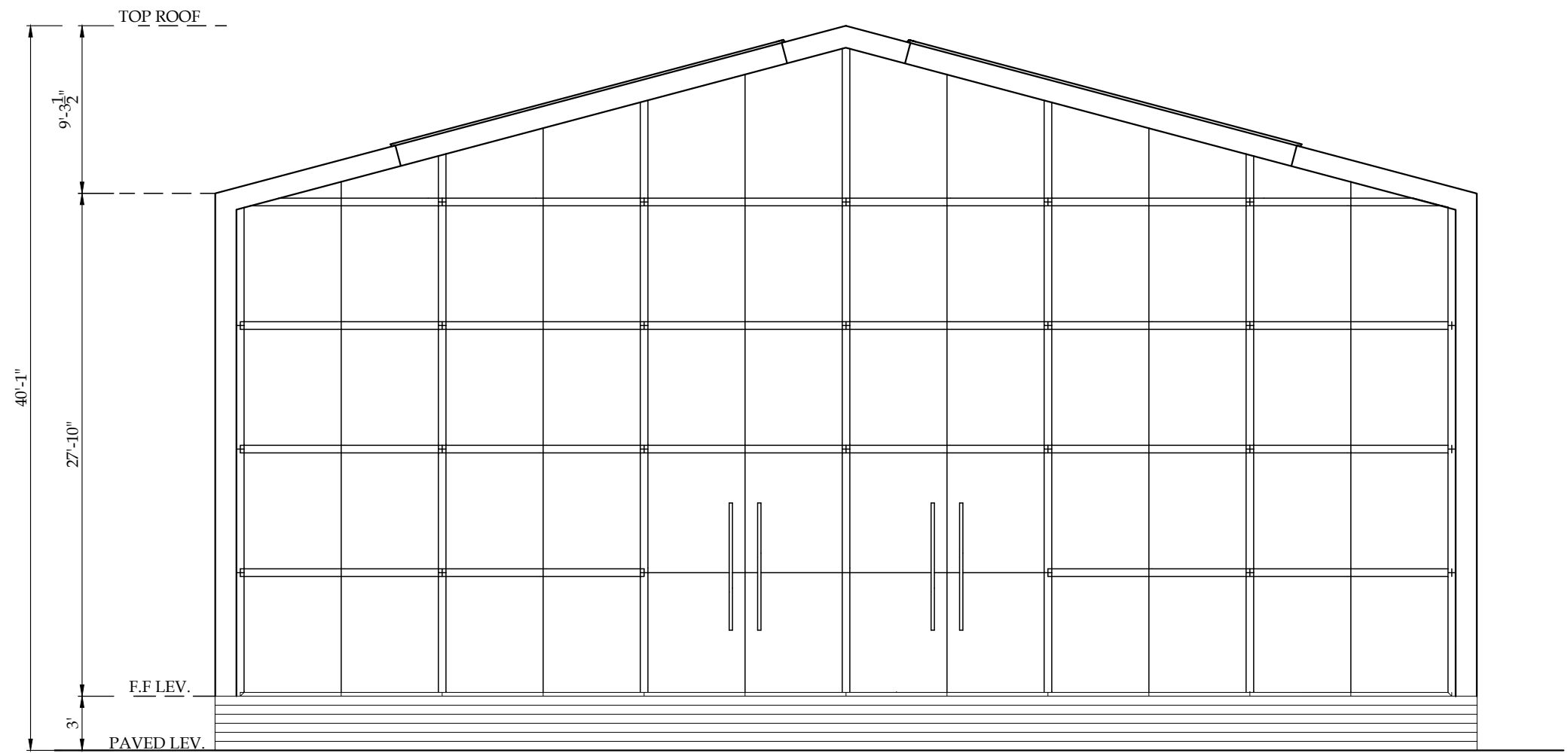
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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GROUND FLOOR PLAN



FRONT ELEVATION

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:

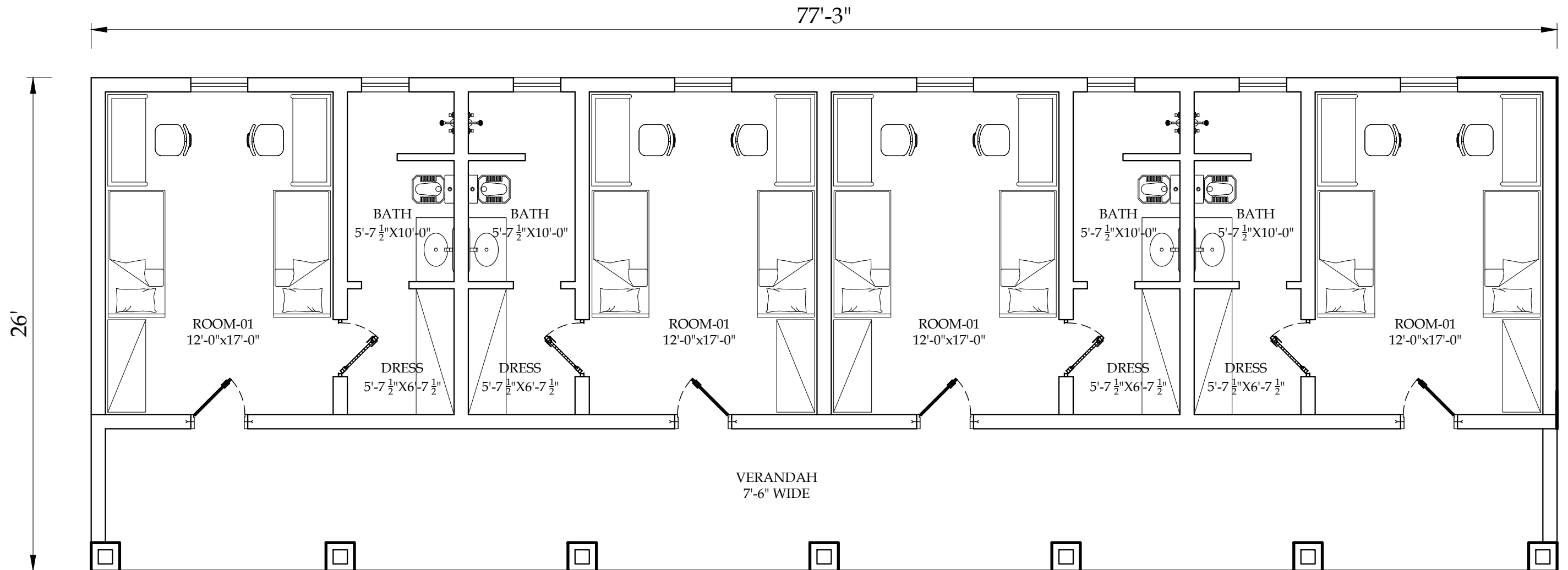


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

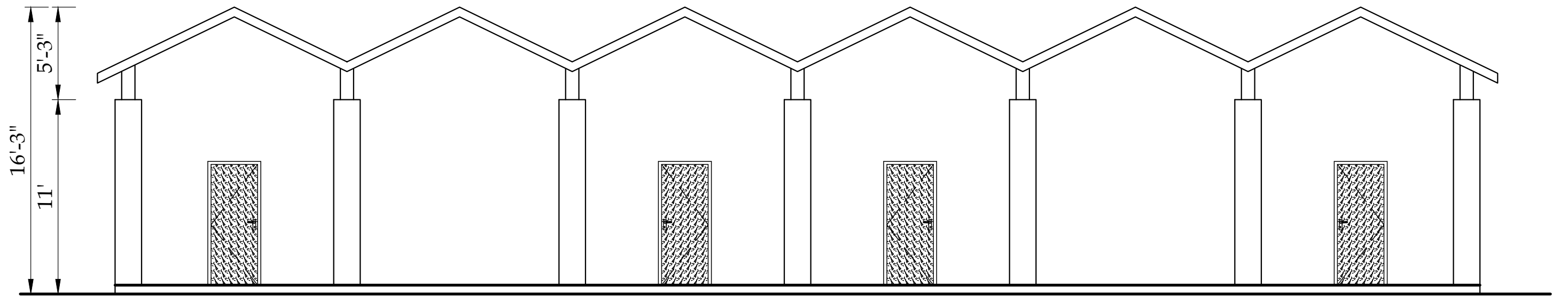
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



GROUND FLOOR PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:		MIR SHEHREYAR		GROUND FLOOR PLAN		AR-0401							
						CHECKED BY:		ZEESHAN ALI											
						APPROVED BY:						SCALE:		SHEET: A3					
						DATE:		NOVEMBER, 2024											



FRONT ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	 ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DESIGNED BY:	MUDASSAR HUSSAIN		FRONT ELEVATION		AR-0402									
			DESIGNED BY:	MIR SHEHREYAR													
			CHECKED BY:	ZEESHAN ALI													
			APPROVED BY:														
						DATE:		NOVEMBER, 2024									
										SCALE:	SHEET:						
											A3						

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:

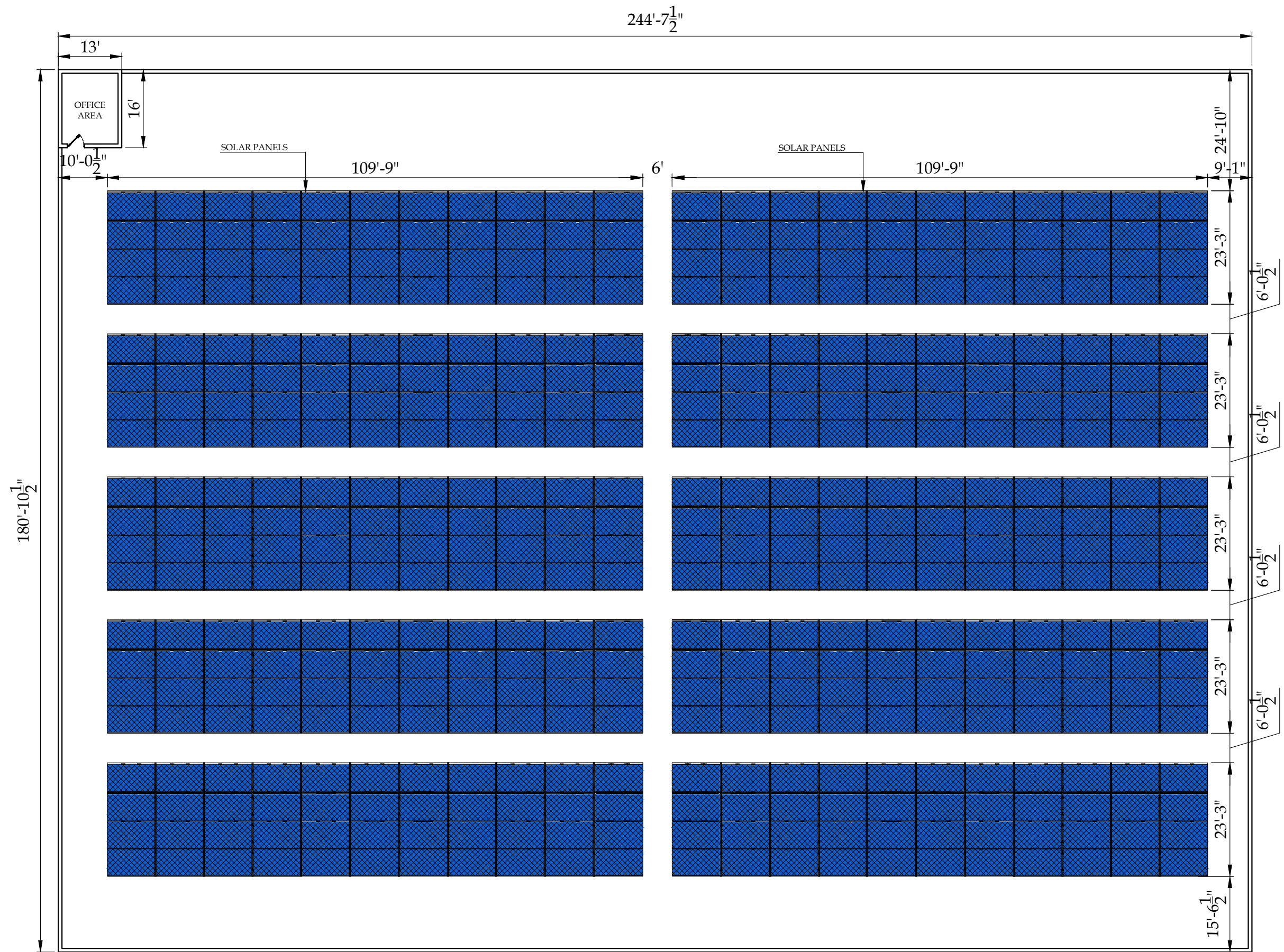


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

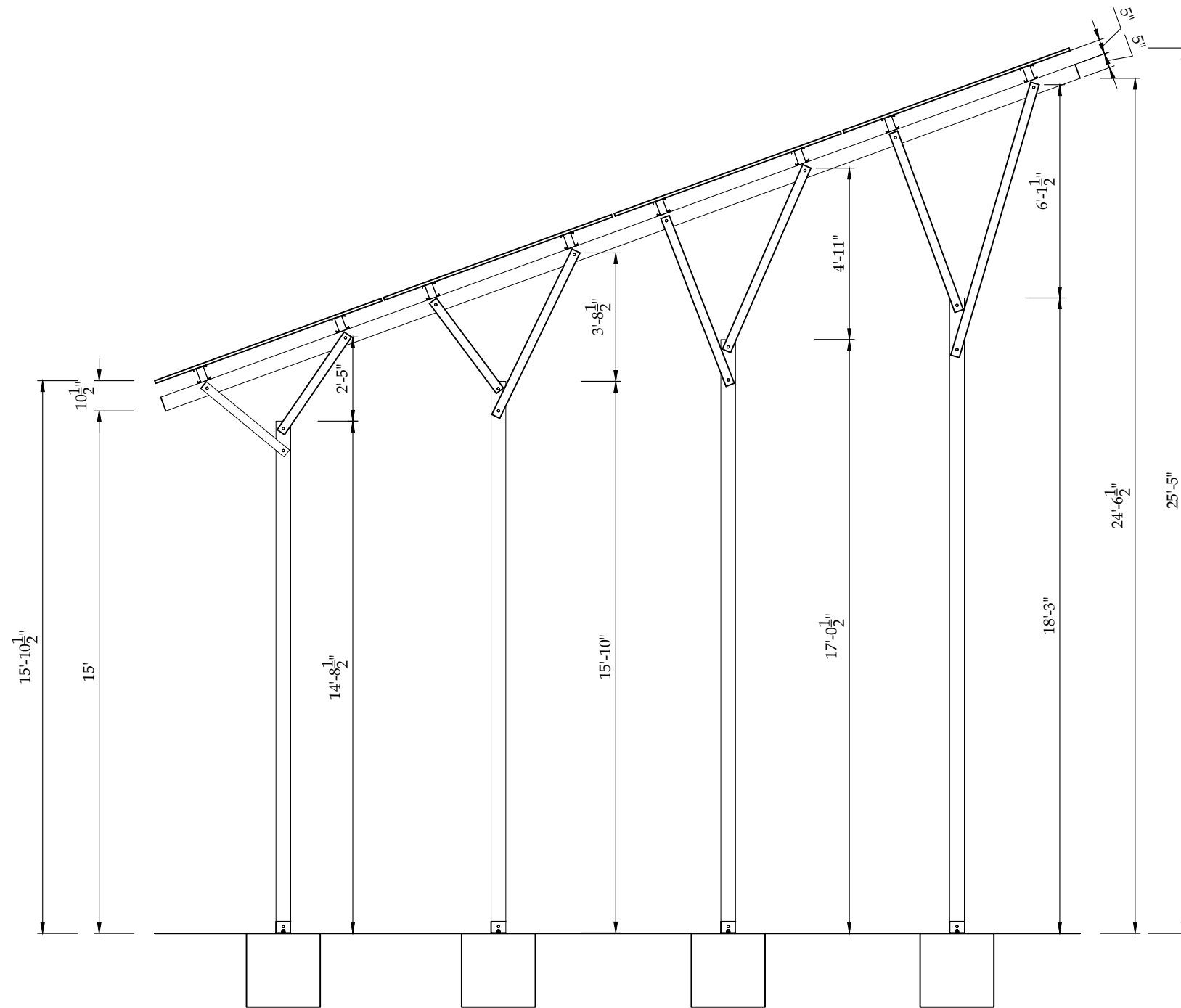
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



SOLAR PARK PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	 ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DESIGNED BY: MIR SHEHREYAR	CHECKED BY: ZEESHAN ALI	APPROVED BY:	DATE: NOVEMBER, 2024	SOLAR PARK PLAN	AR-0501	SCALE:	SHEET: A3					



SOLAR PANEL
ELEVATION

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:

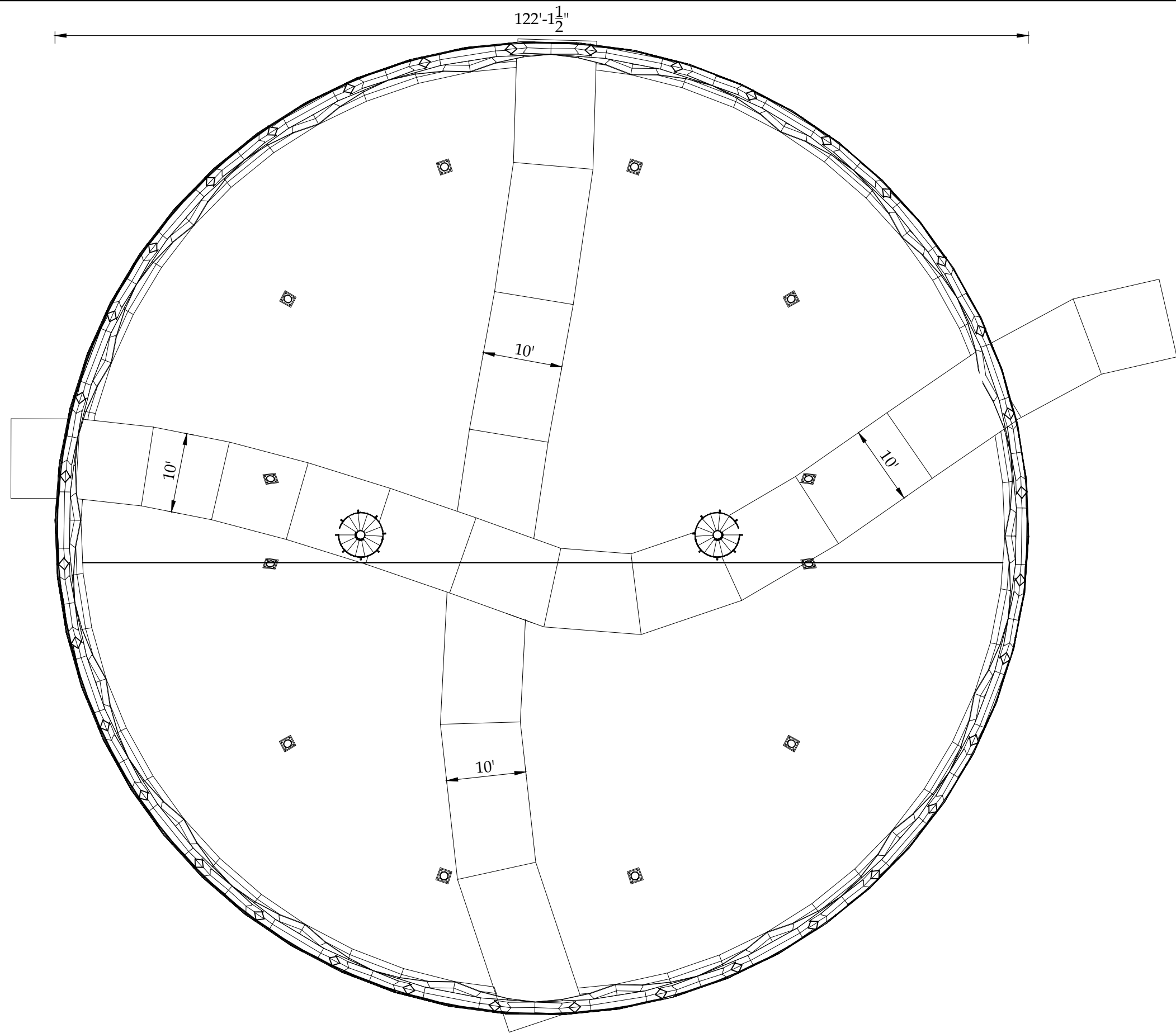


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

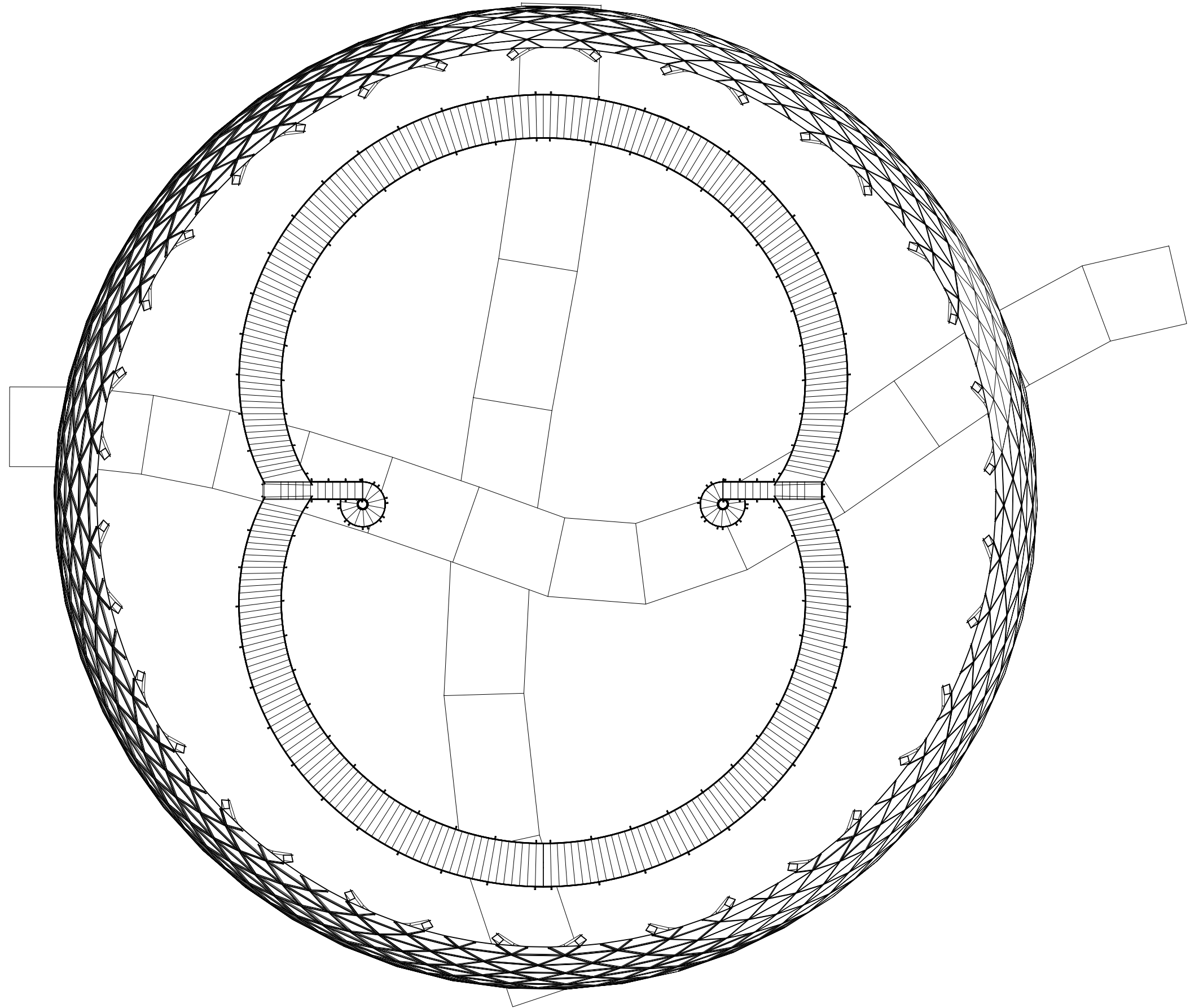
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

@info@ecsp.com.pk @ www.ecsp.com.pk

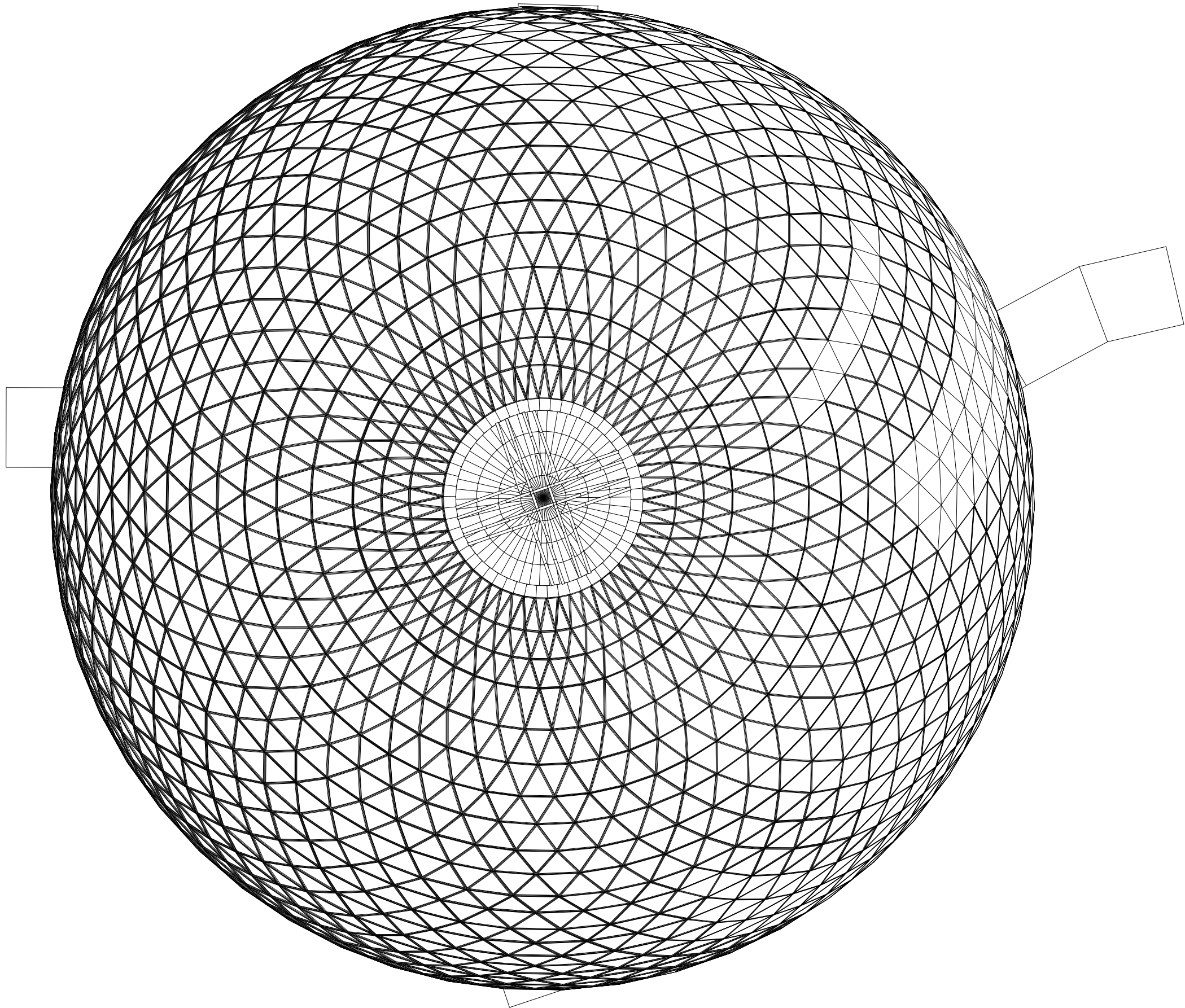


GROUND FLOOR PLAN



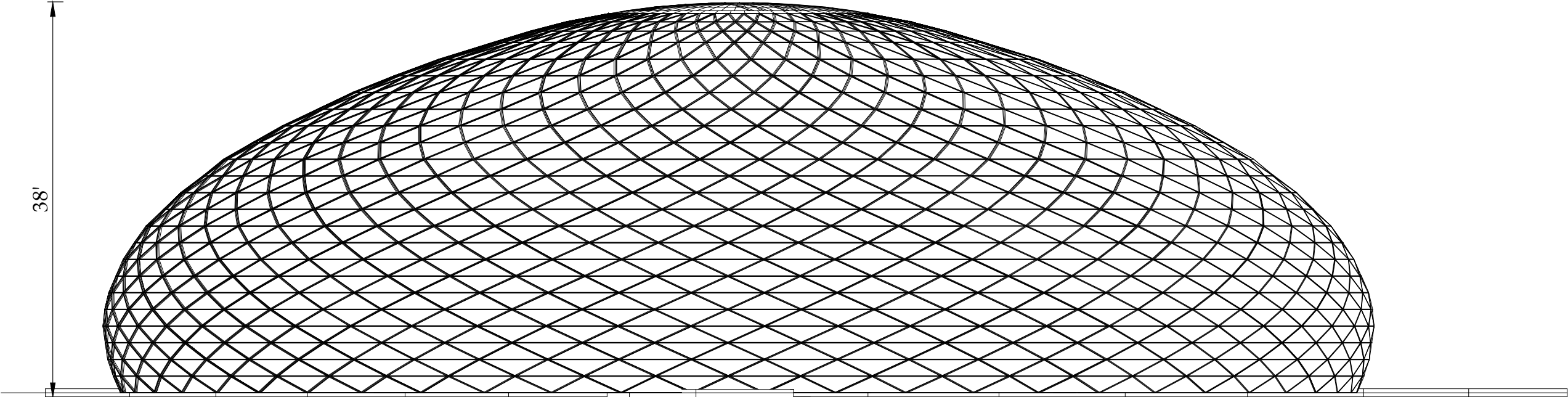
PLAN AT BRIDGE

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MUDASSAR HUSSAIN		PLAN AT BRIDGE	AR-0602					
						CHECKED BY:	MIR SHEHREYAR			SCALE:	SHEET: A3				
						APPROVED BY:	ZEESHAN ALI								
						DATE:									
						NOVEMBER, 2024									



ROOF PLAN

ROOF PLAN



ELEVATION

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:

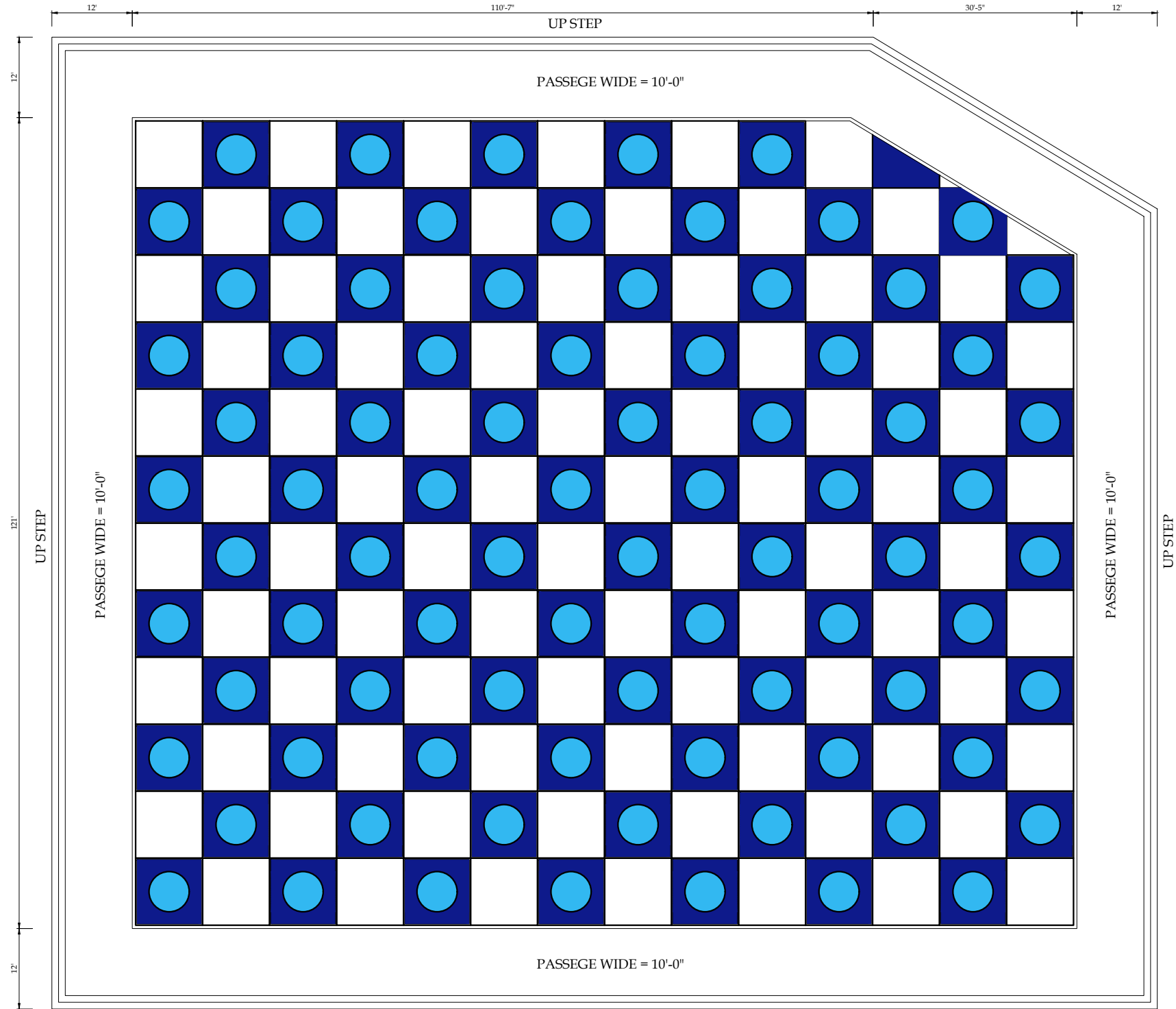


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

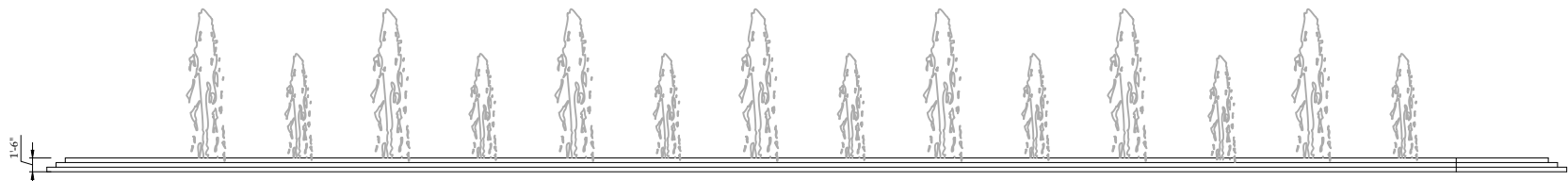
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

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FLOOR MOUNTED FOUNTAINS



ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:		MIR SHEHREYAR		FLOOR MOUNTED FOUNTAINS PLAN		AR- 0701					
				CHECKED BY:		ZEESHAN ALI											
				APPROVED BY:				SCALE:				SHEET:					
				DATE:		NOVEMBER, 2024						A3					

ARCHITECTURAL WORKING DRAWINGS

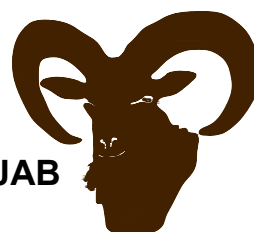
PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA
TUCK SHOPS

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

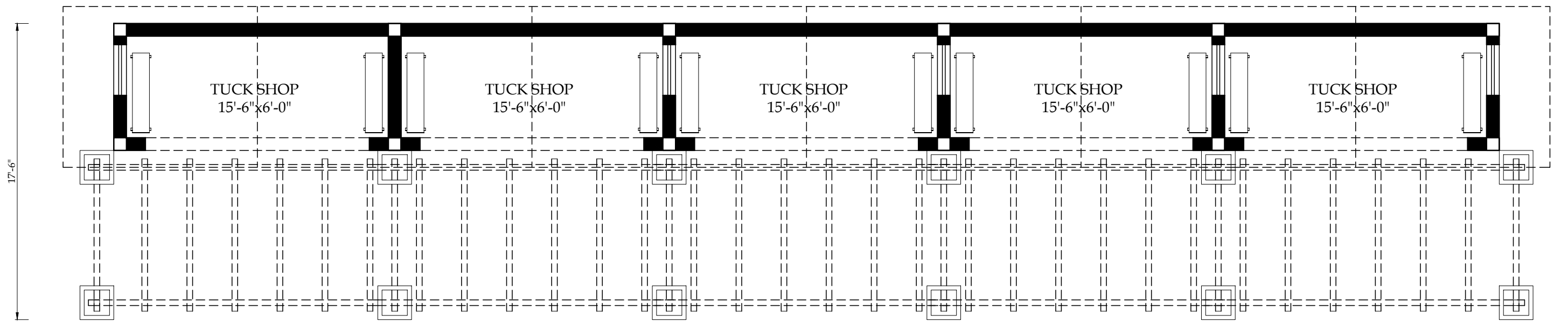


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

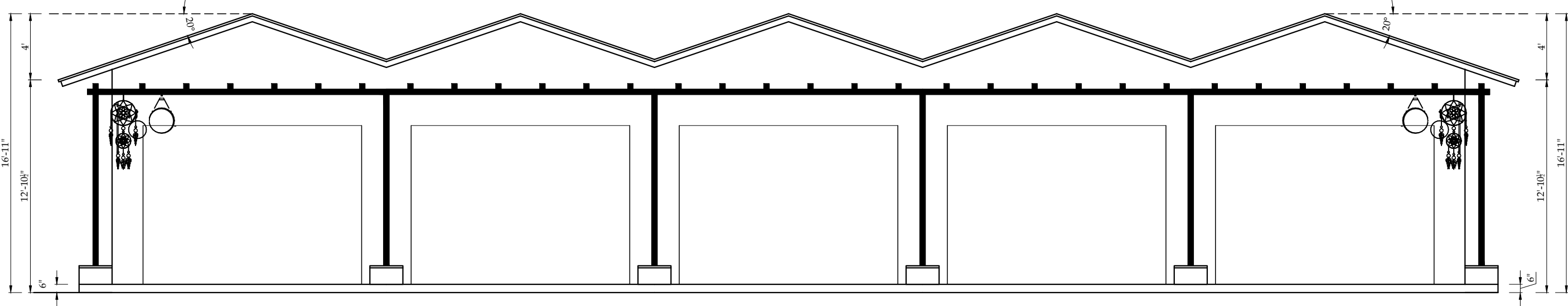
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



TUCK SHOP



ELEVATION-A

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN	DRAWING TITLE:	DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		AR- 0802					
						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

REST ROOMS (3+3)

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

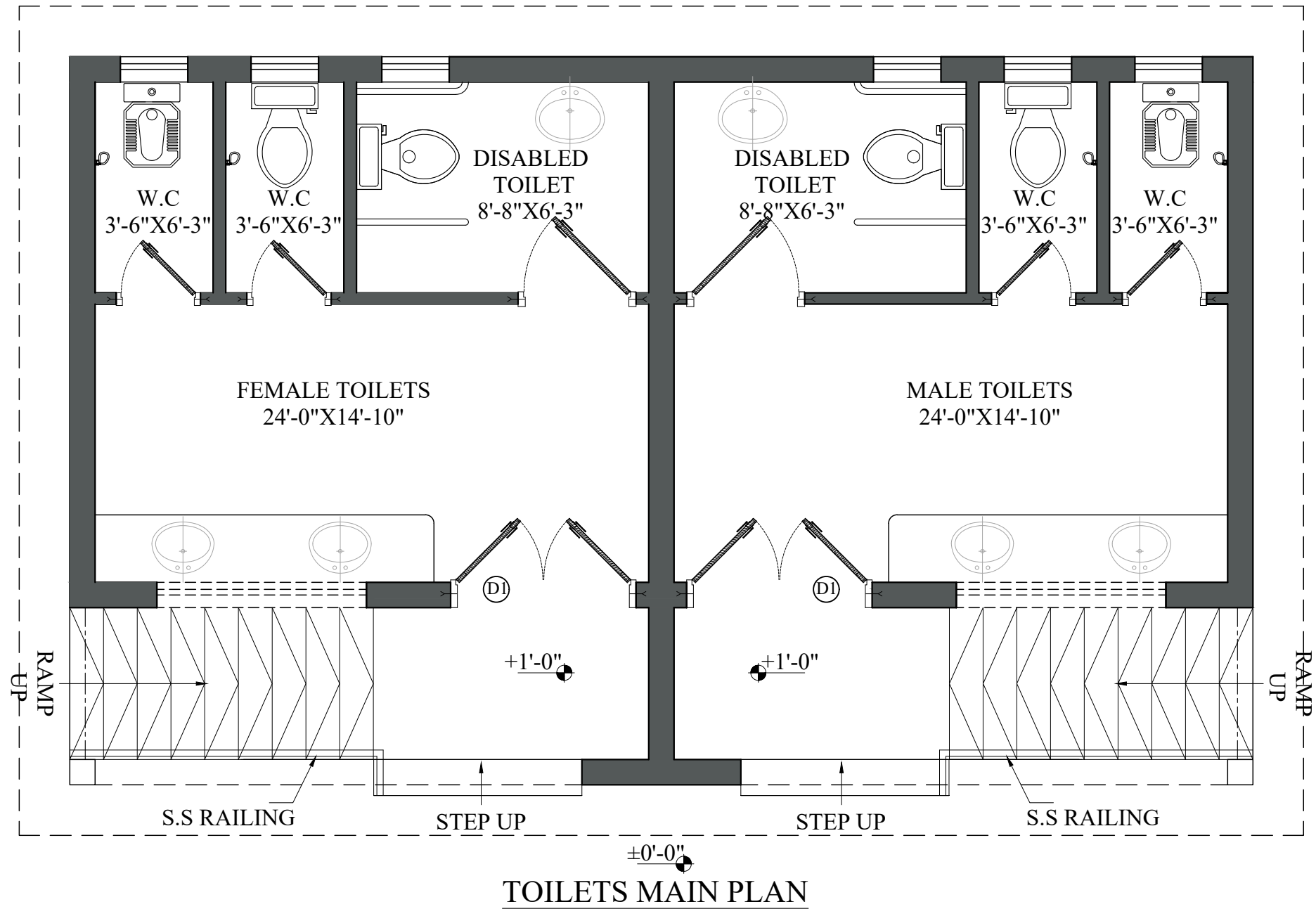


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

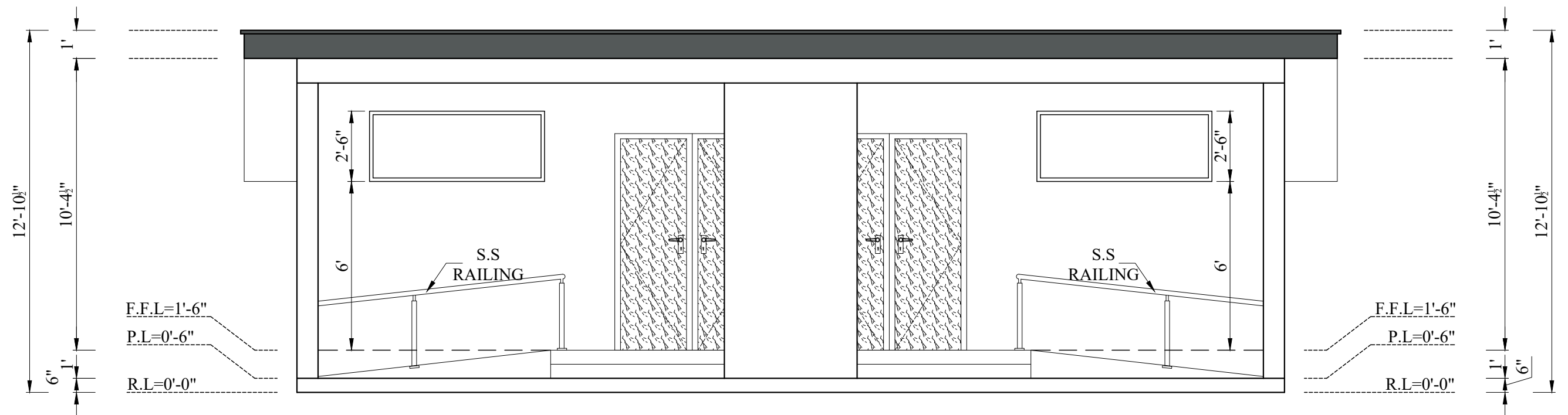
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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@ 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:	DRAWING NO:	REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY: MIR SHEHREYAR	MAIN PLAN	AR- 0901				
			CHECKED BY: ZEESHAN ALI		SCALE:	SHEET:			
			APPROVED BY:		A3				
			DATE: NOVEMBER, 2024						



ELEVATION-A

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DESIGNED BY:	MUDASSAR HUSSAIN		ELEVATION	AR- 0902	SCALE:	SHEET: A3						
			DESIGNED BY:	MIR SHEHREYAR											
			CHECKED BY:	ZEESHAN ALI											
			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:

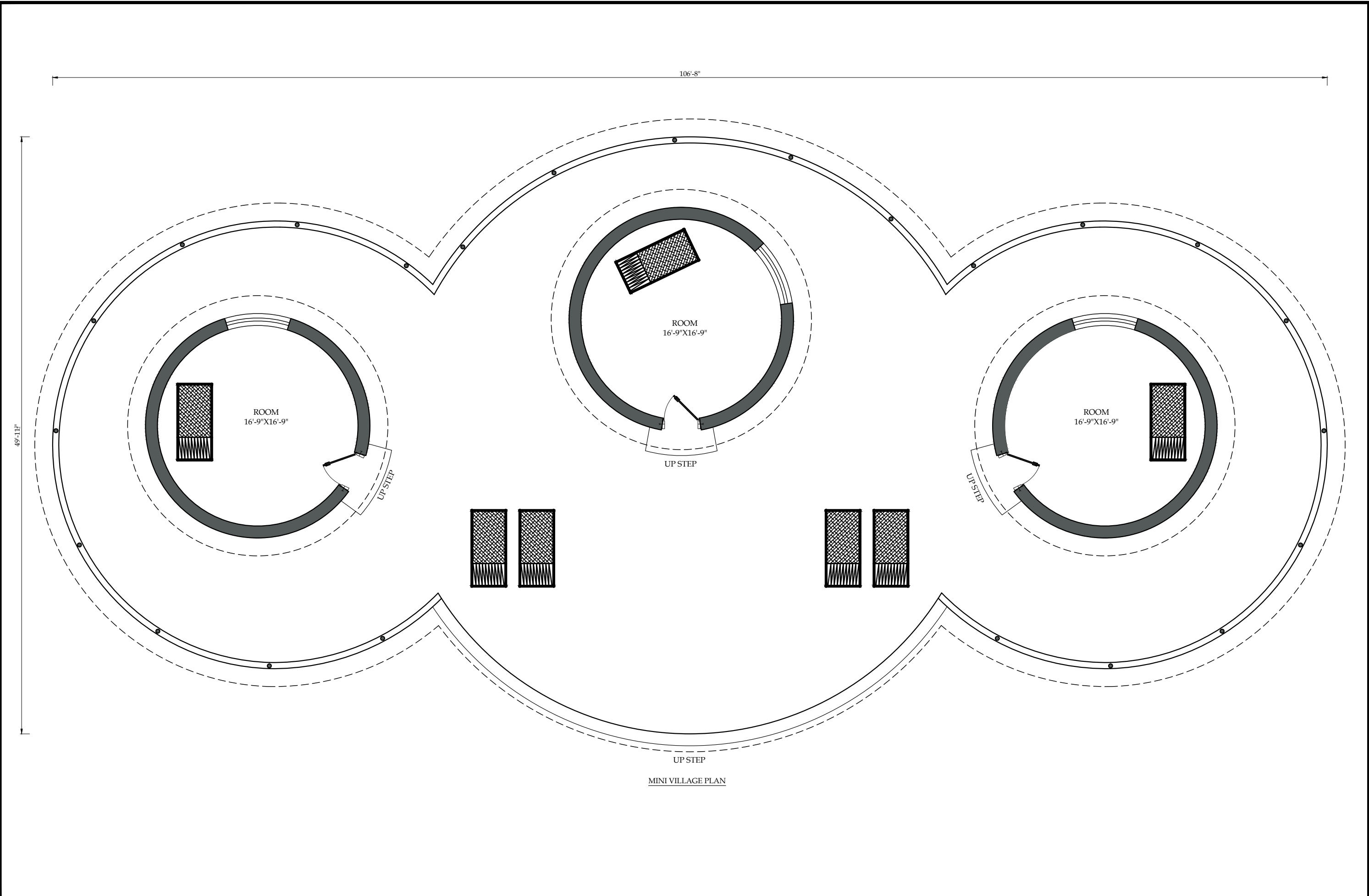


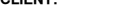
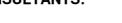
ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

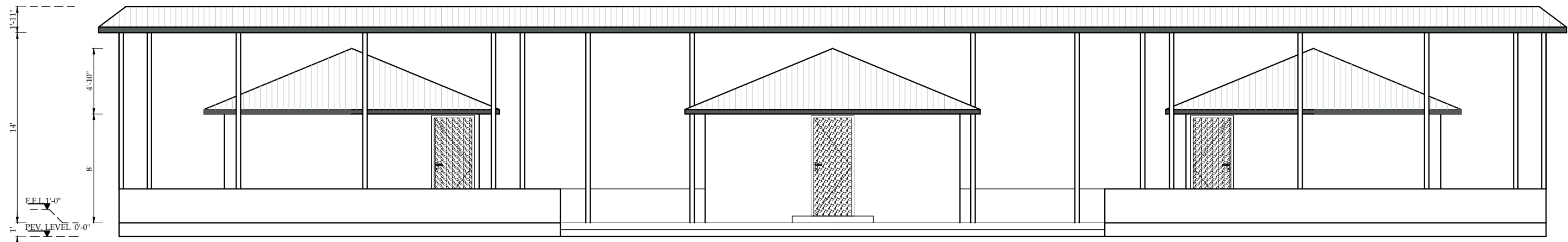
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

@ info@ecsp.com.pk @ www.ecsp.com.pk



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR	MINI VILLAGE PLAN	AR-1001						
						CHECKED BY:	ZEESHAN ALI		SCALE:	SHEET: A3					
						APPROVED BY:									
						DATE:	NOVEMBER, 2024								



ELEVATION

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:

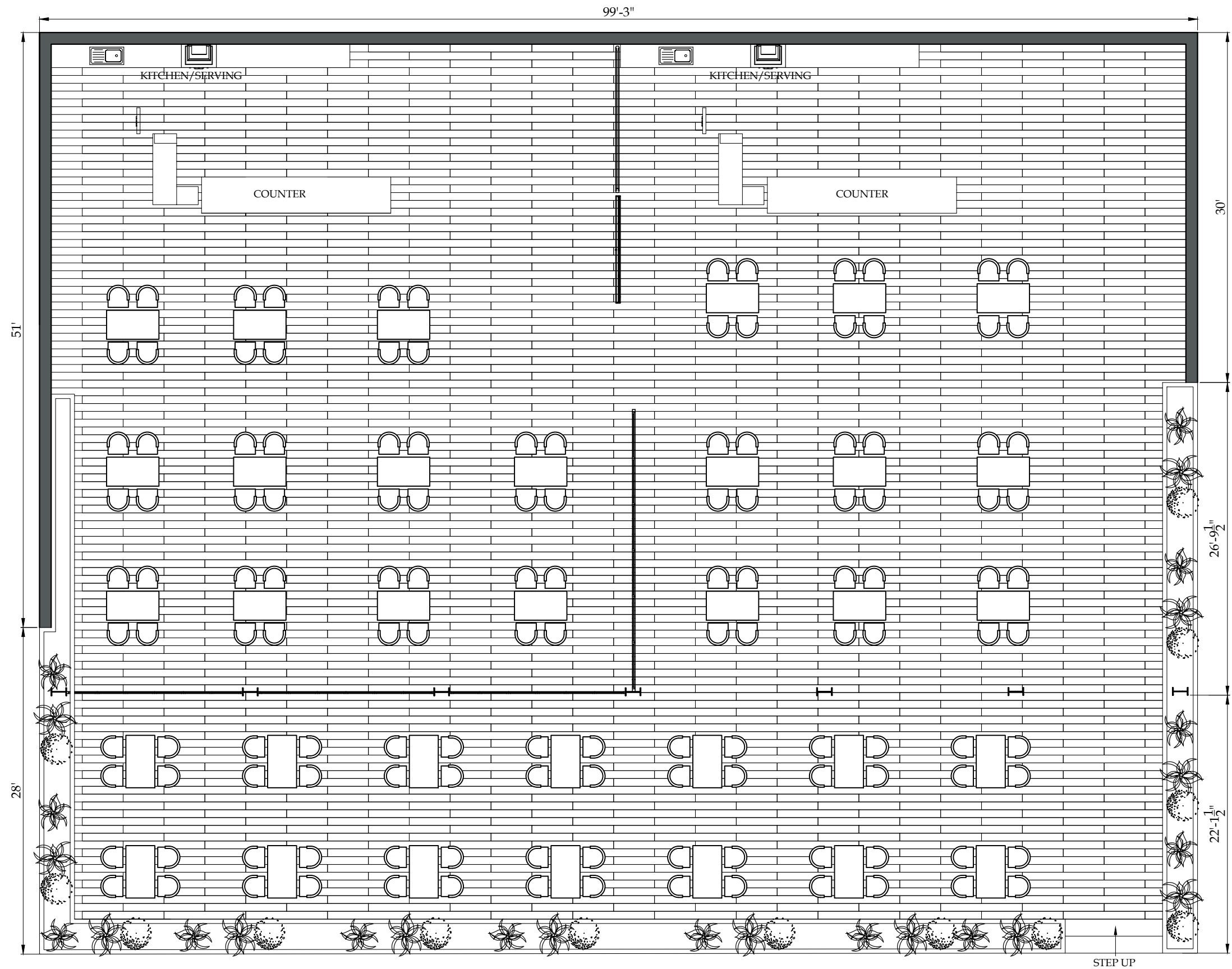


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

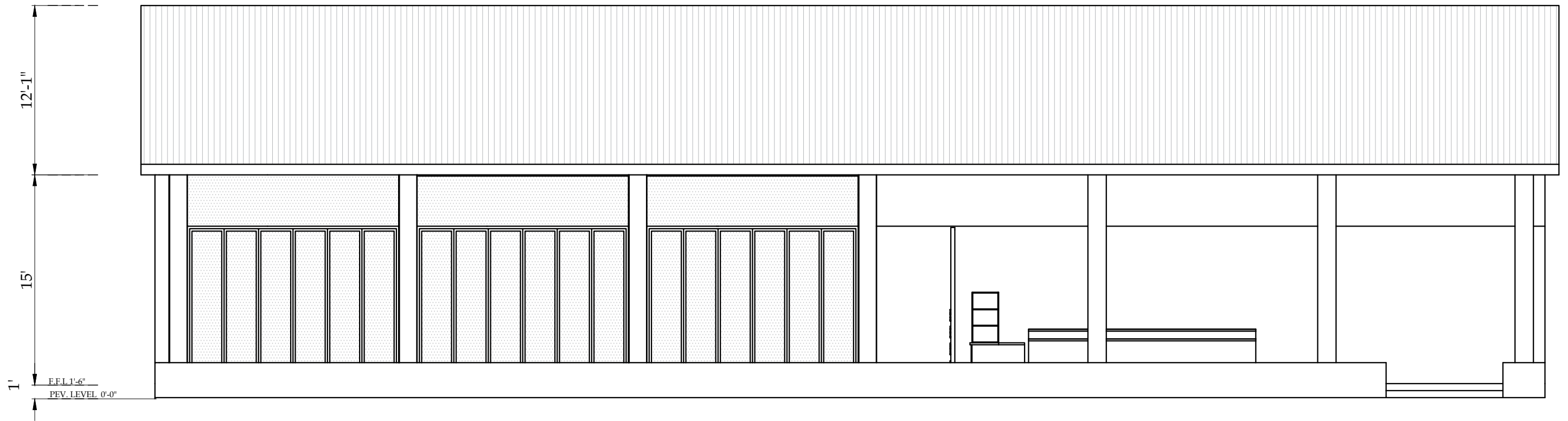
+92-42-99333976, +92-42-5717681-4

@info@ecsp.com.pk @ www.ecsp.com.pk



RESTURANT MAIN PLAN

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			MUDASSAR HUSSAIN			RESTURANT MAIN PLAN			AR- 1101					
									DESIGNED BY: MIR SHEHREYAR											
									CHECKED BY: ZEESHAN ALI											
									APPROVED BY:											
						NOVEMBER, 2024						SCALE:		SHEET:						
														A3						



ELEVATION

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:

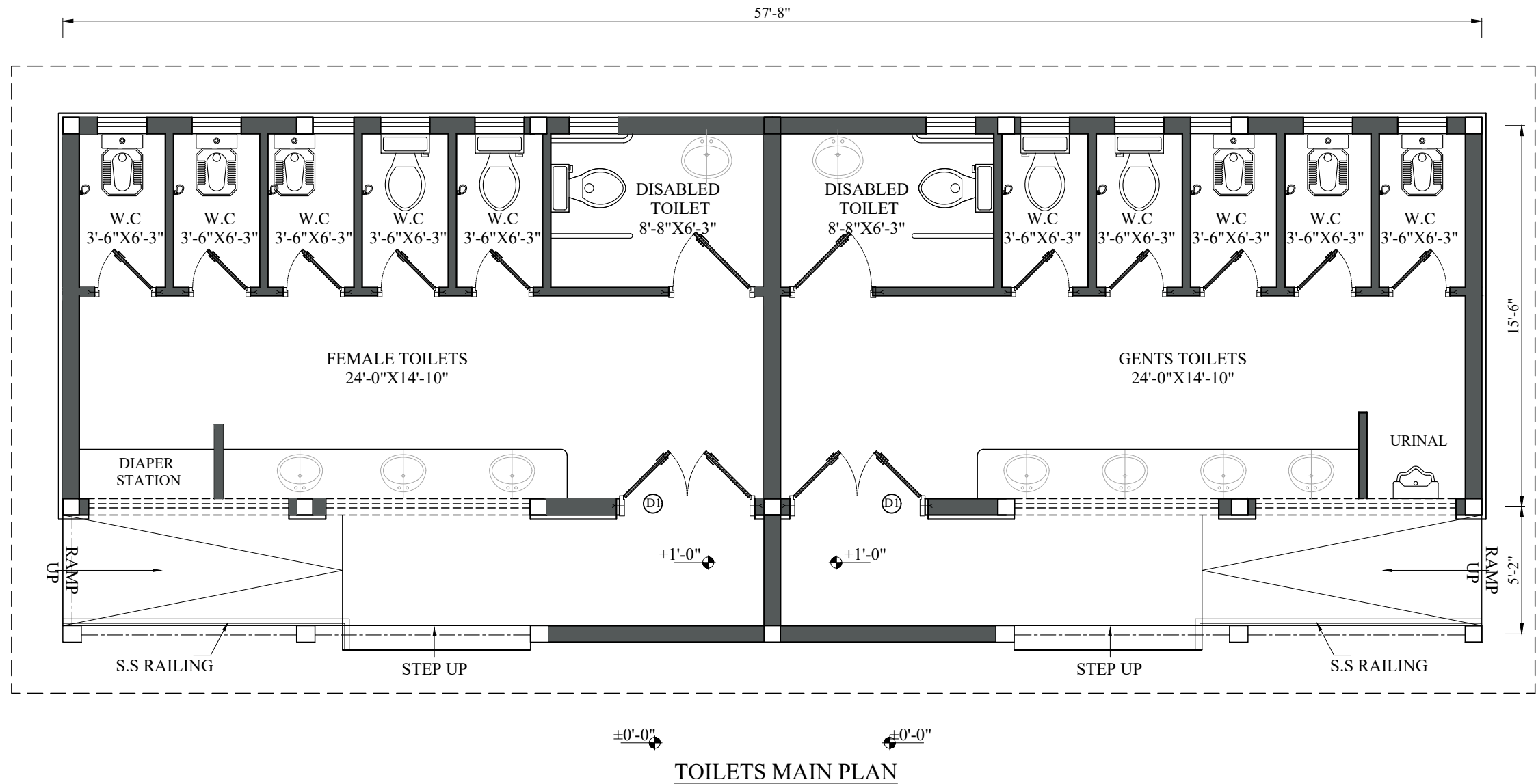


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

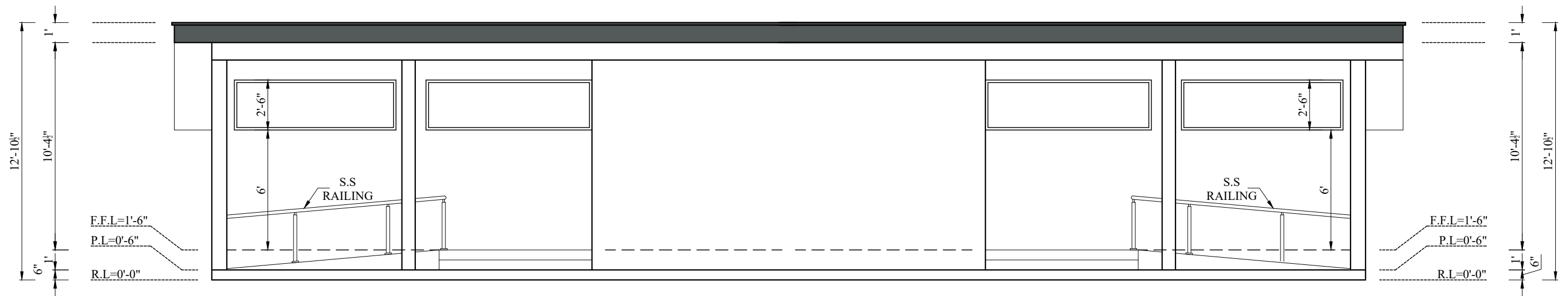
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

@ info@ecsp.com.pk @ www.ecsp.com.pk



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: REST ROOM MAIN PLAN	DRAWING NO: AR- 1201	REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY: MIR SHEHREYAR		SCALE:	SHEET: A3			
			CHECKED BY: ZEESHAN ALI						
			APPROVED BY:						
			DATE: NOVEMBER, 2024						



ELEVATION-A

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA	DESIGNED BY:	MIR SHEHREYAR		ELEVATION		AR- 1402	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

MINI ZOO

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

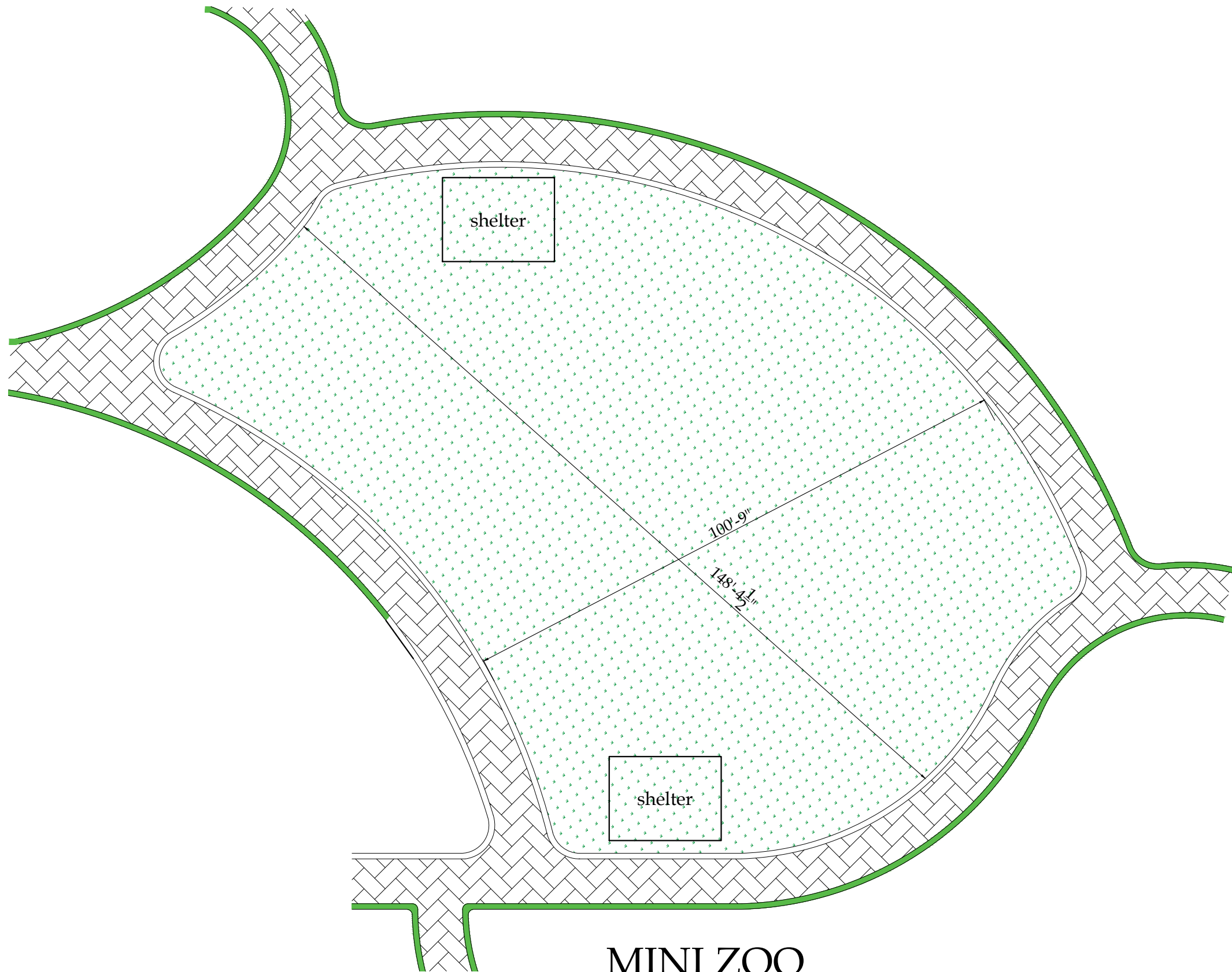


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

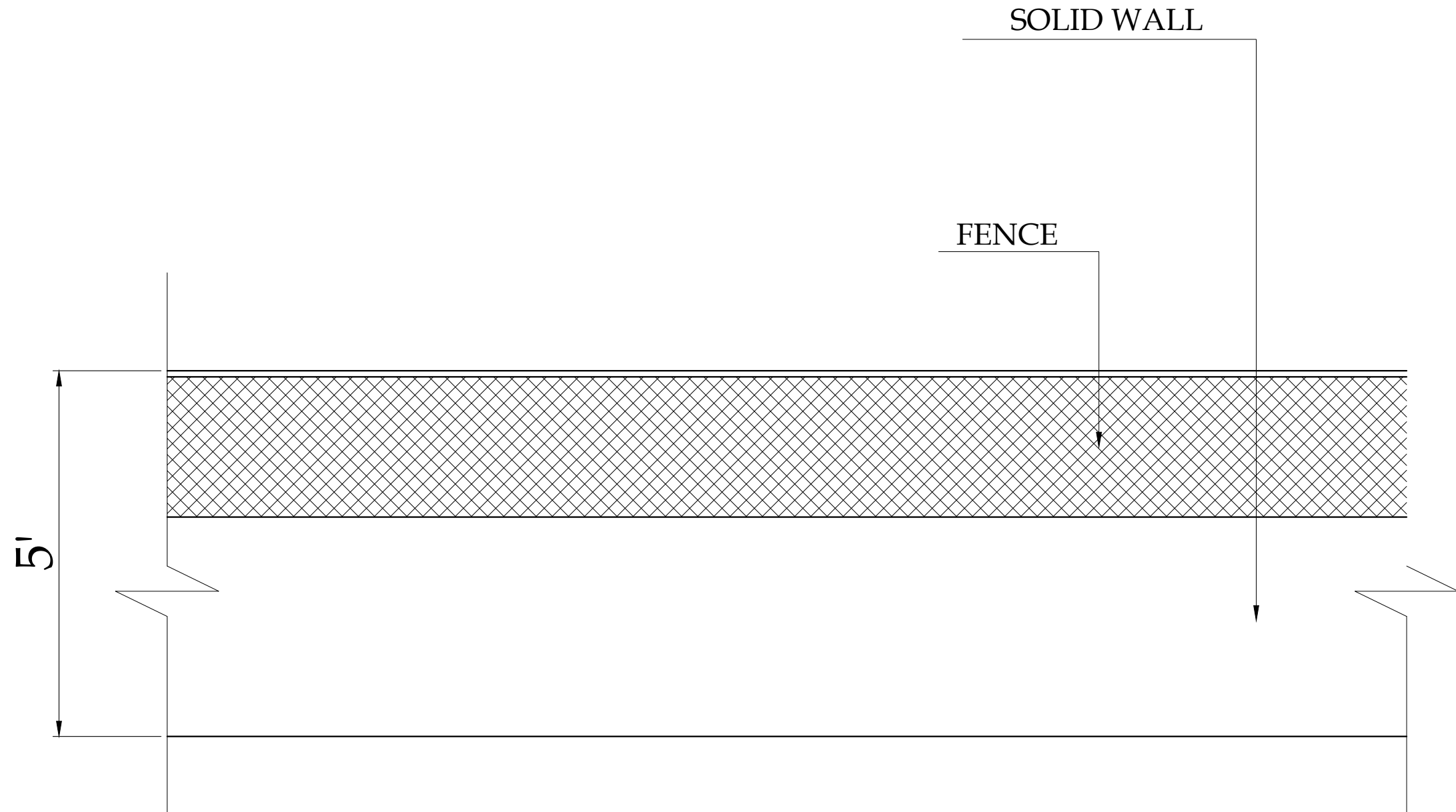
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



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- 1301		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY: MIR SHEHREYAR								
			CHECKED BY: ZEESHAN ALI								
			APPROVED BY:			SCALE:	SHEET: A3				
			DATE: NOVEMBER, 2024								



MINI ZOO FENCE ELEVATION

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			DESIGNED BY:	MIR SHEHREYAR		FRONT ELEVATION		AR- 1302					
									CHECKED BY:	ZEESHAN ALI				SCALE:	SHEET:				
									APPROVED BY:										
									DATE:	NOVEMBER, 2024					A3				

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:

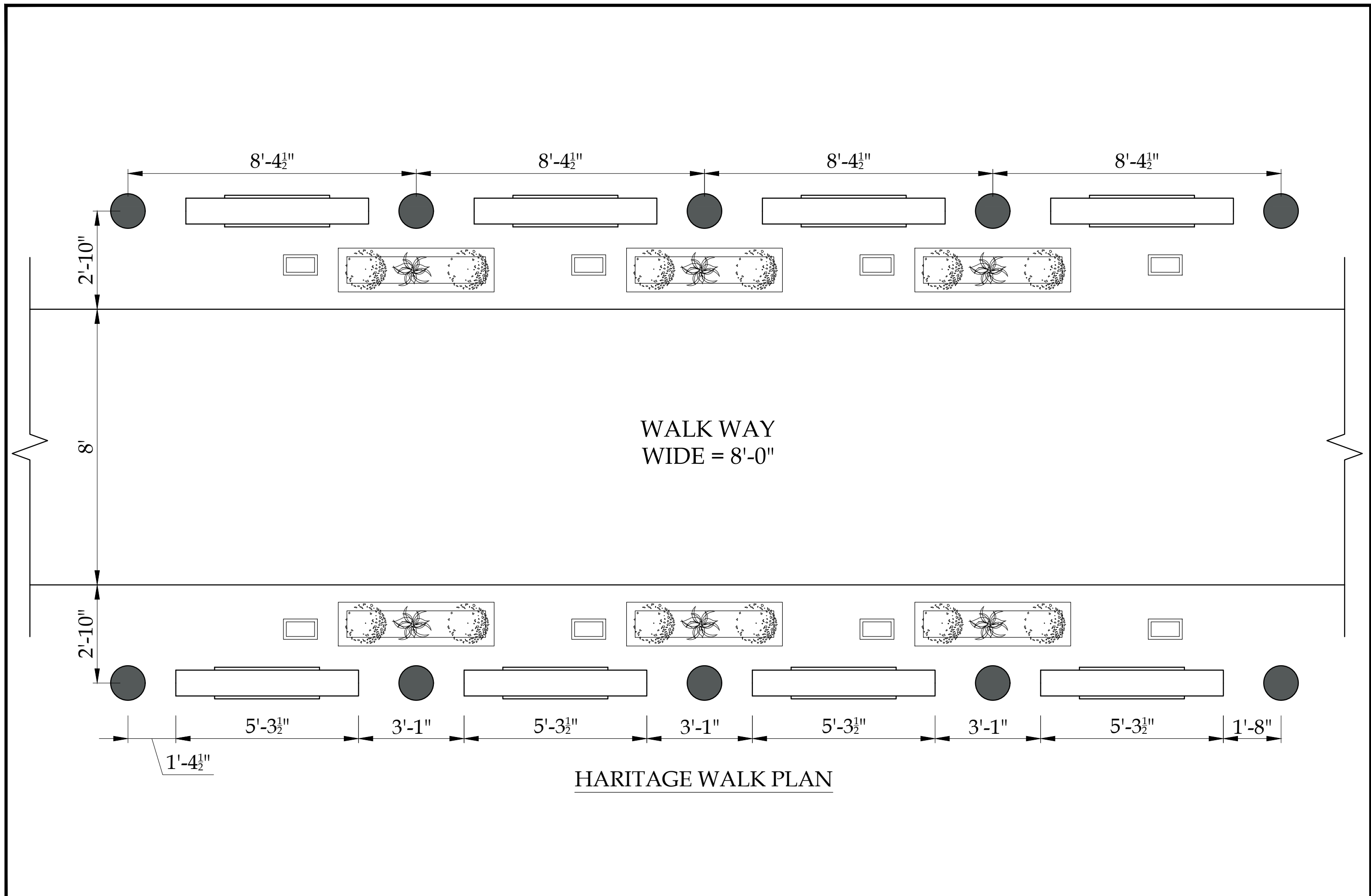


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

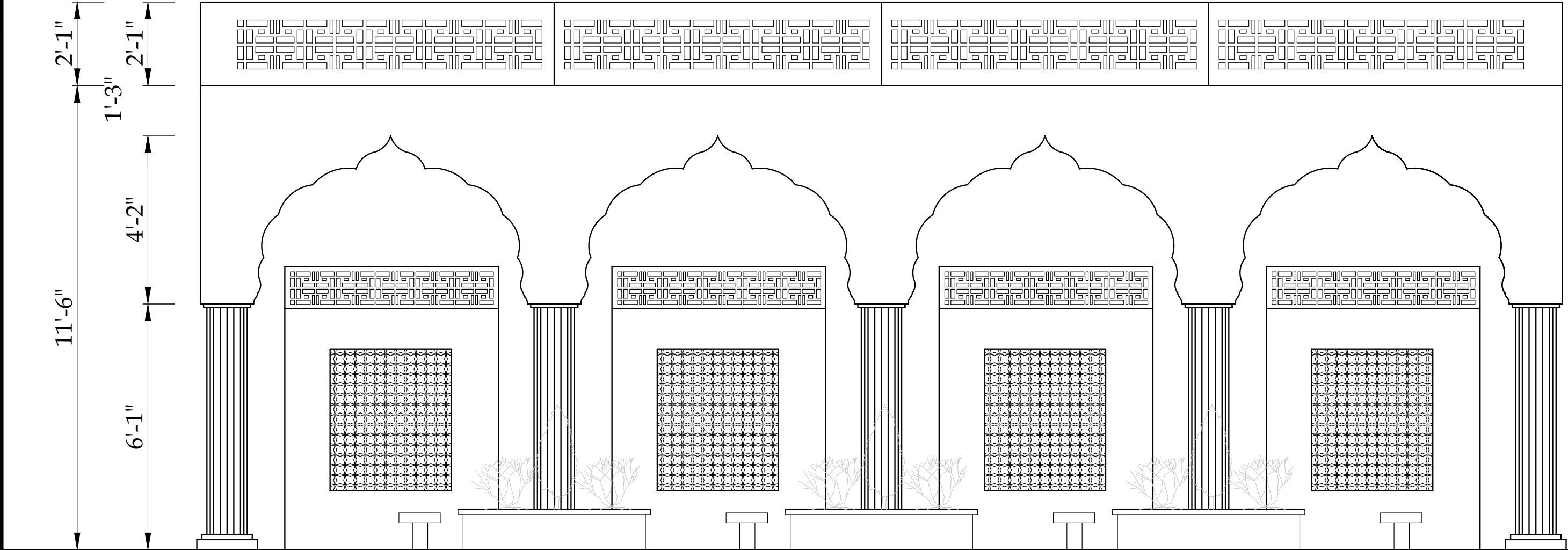
+92-42-99333976, +92-42-5717681-4

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HARITAGE WALK PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE					
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MUDASSAR HUSSAIN	HERITAGE WALK PLAN		AR-1401										
										SCALE:	SHEET: A3									
								CHECKED BY:												
								APPROVED BY:												
								DATE:		NOVEMBER, 2024										



ELEVATION

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:

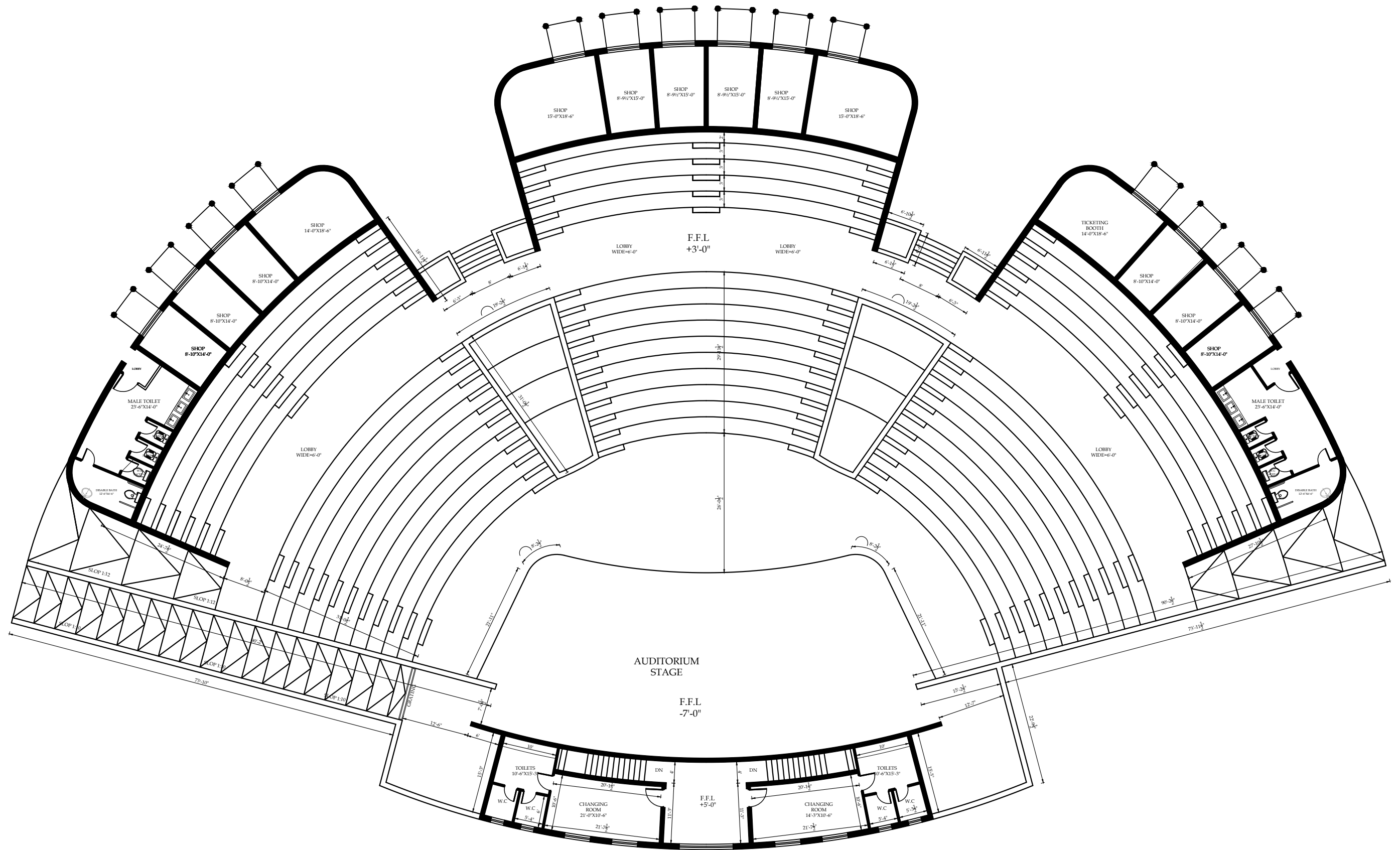


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

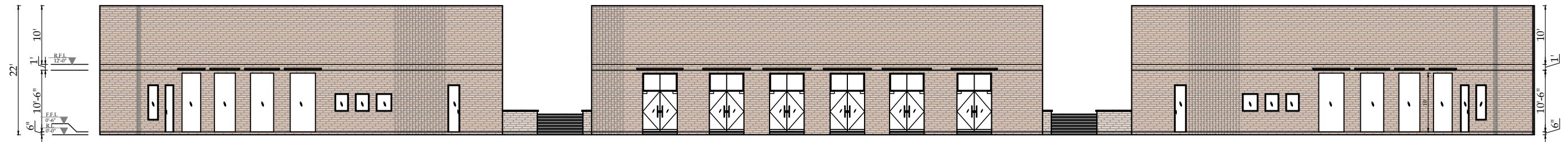
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



UPPER GROUND FLOOR
(AMPHITHEATER)

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR	MAIN PLAN		AR- 1501					
						CHECKED BY:	ZEESHAN ALI			SCALE:	SHEET: A3				
						APPROVED BY:									
						DATE:	NOVEMBER, 2024								



ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB WILDLIFE & PARK DEPARTMENT		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			DESIGNED BY:	MIR SHEHREYAR	MAIN PLAN		AR-1503						
							CHECKED BY:	ZEESHAN ALI			SCALE:	SHEET:					
							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:

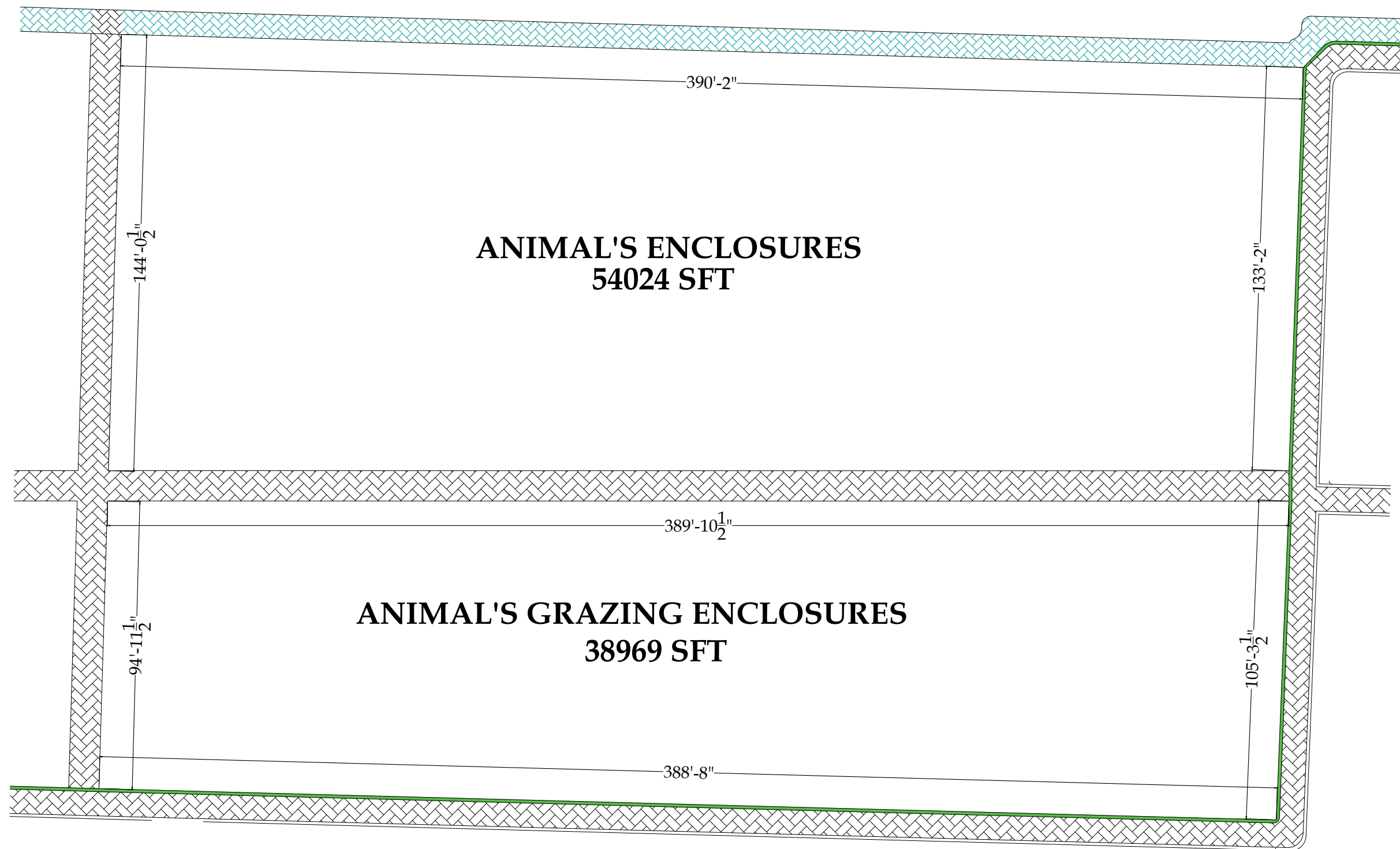


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

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

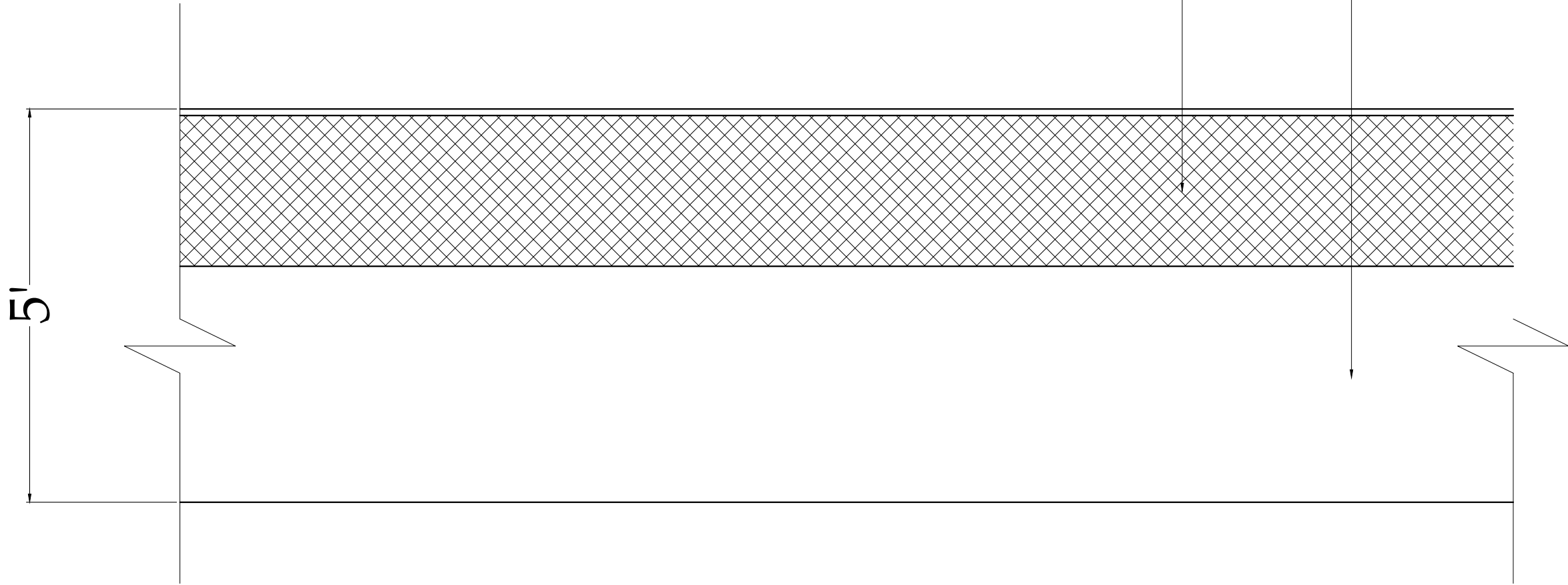


ANIMAL'S ENCLOSURES

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	 ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DESIGNED BY:	MUDASSAR HUSSAIN		ANIMAL'S ENCLOSURES PLAN	AR- 1601	SCALE:	SHEET: A3						
			DESIGNED BY:	MIR SHEHREYAR											
			CHECKED BY:	ZEESHAN ALI											
			APPROVED BY:												
			DATE:	NOVEMBER, 2024											

SOLID WALL

FENCE



ANIMAL ENCLOSURE FENCE
ELEVATION

ARCHITECTURAL WORKING DRAWINGS

PROJECT

ECO-TOURISM AT CHANGA MANGA

MAIN GATE SAFARI

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

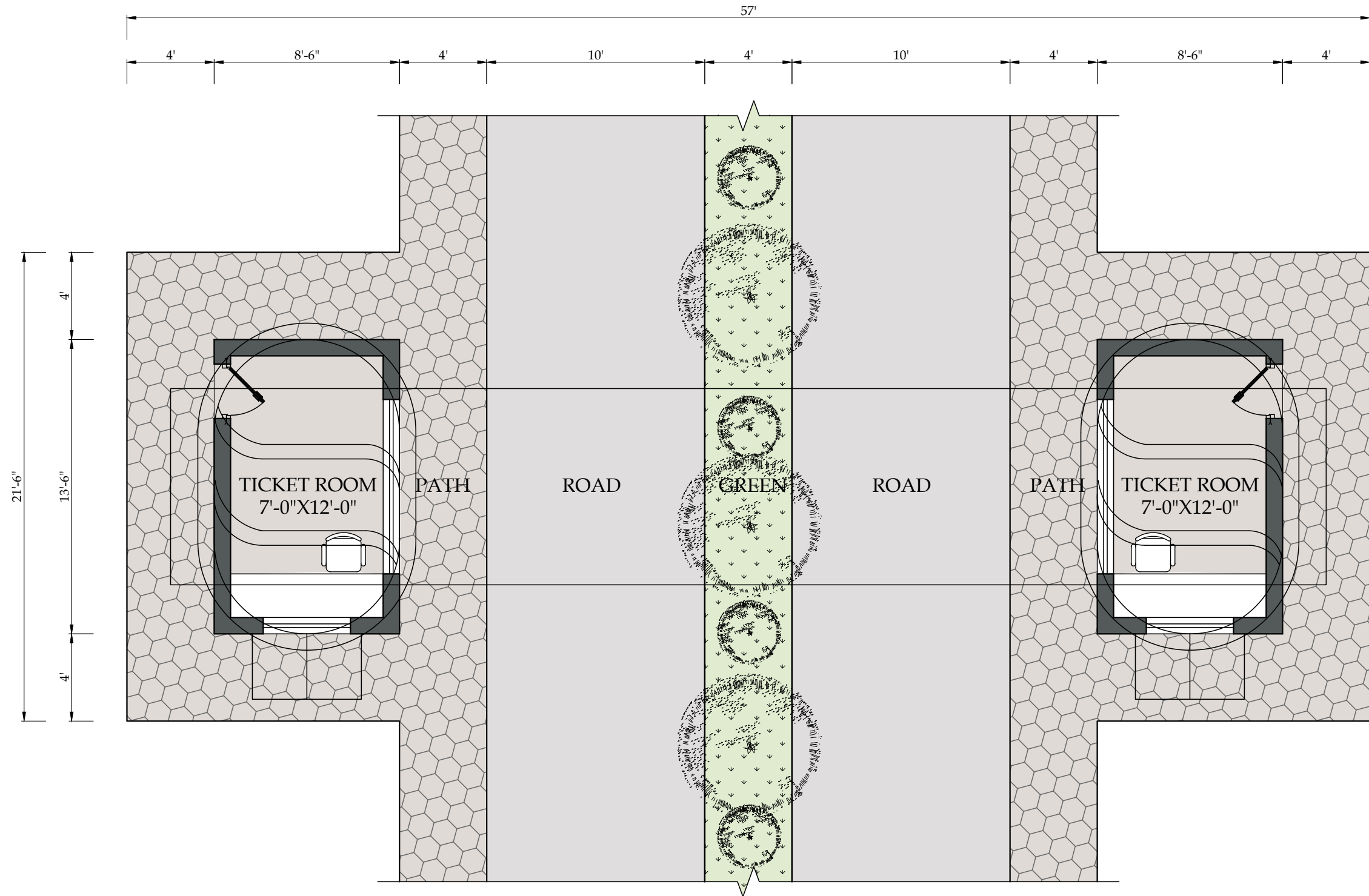


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

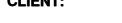
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

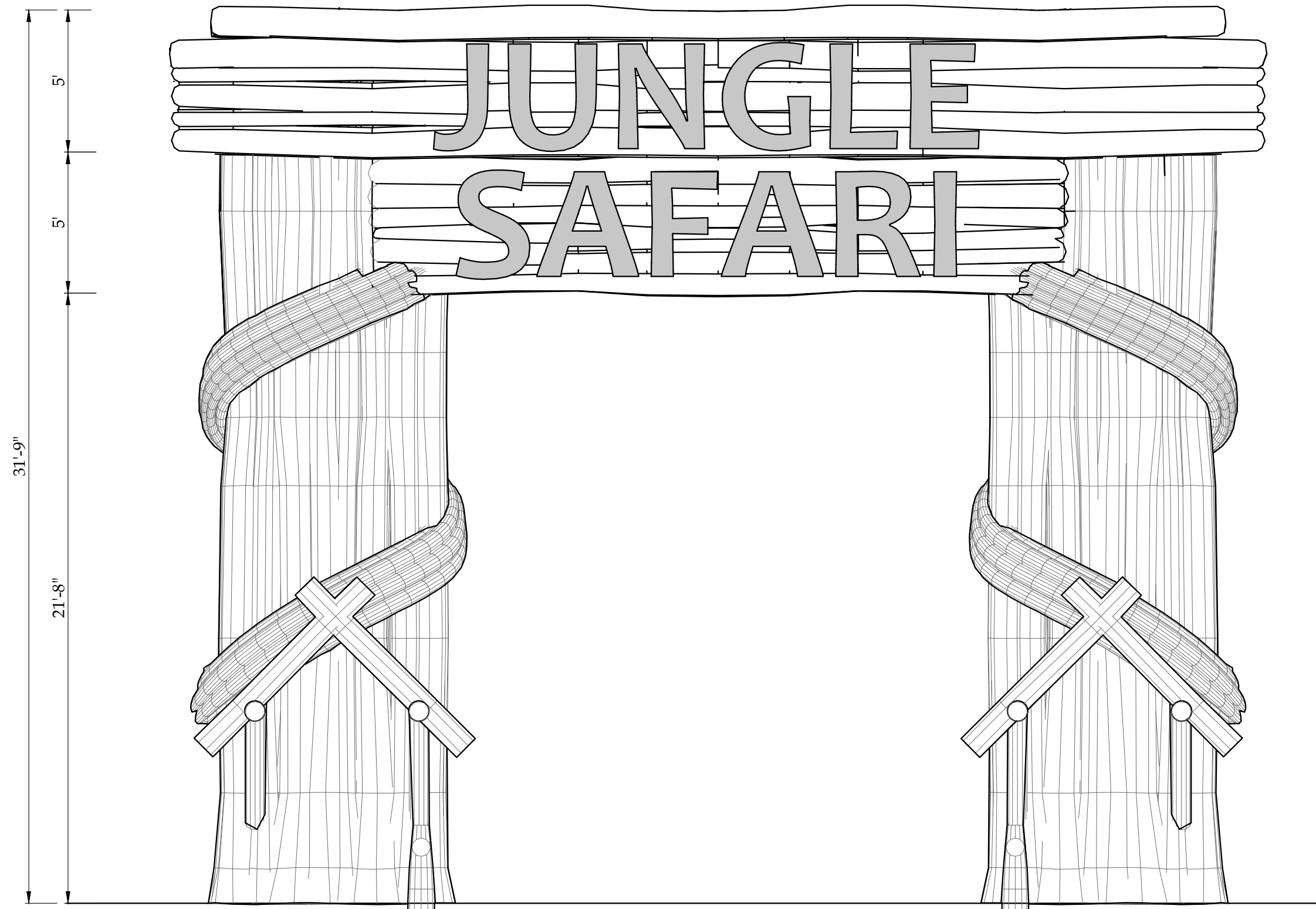
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



JUNGLE SAFARI GATE
G.F PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DRAWN BY:	MUDASSAR HUSSAIN	JUNGLE SAFARI GATE PLAN	AR- 1701									
			DESIGNED BY:	MIR SHEHREYAR		SCALE:	SHEET:								
			CHECKED BY:	ZEESHAN ALI											
			APPROVED BY:												
			DATE:	NOVEMBER, 2024											



JUNGLE SAFARI GATE
ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE				
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:		ELEVATION		AR- 1702									
						CHECKED BY:				SCALE:	SHEET: A3								
						APPROVED BY:													
						DATE:													
						MUDASSAR HUSSAIN													
						MIR SHEHREYAR													
						ZEESHAN ALI													
						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:

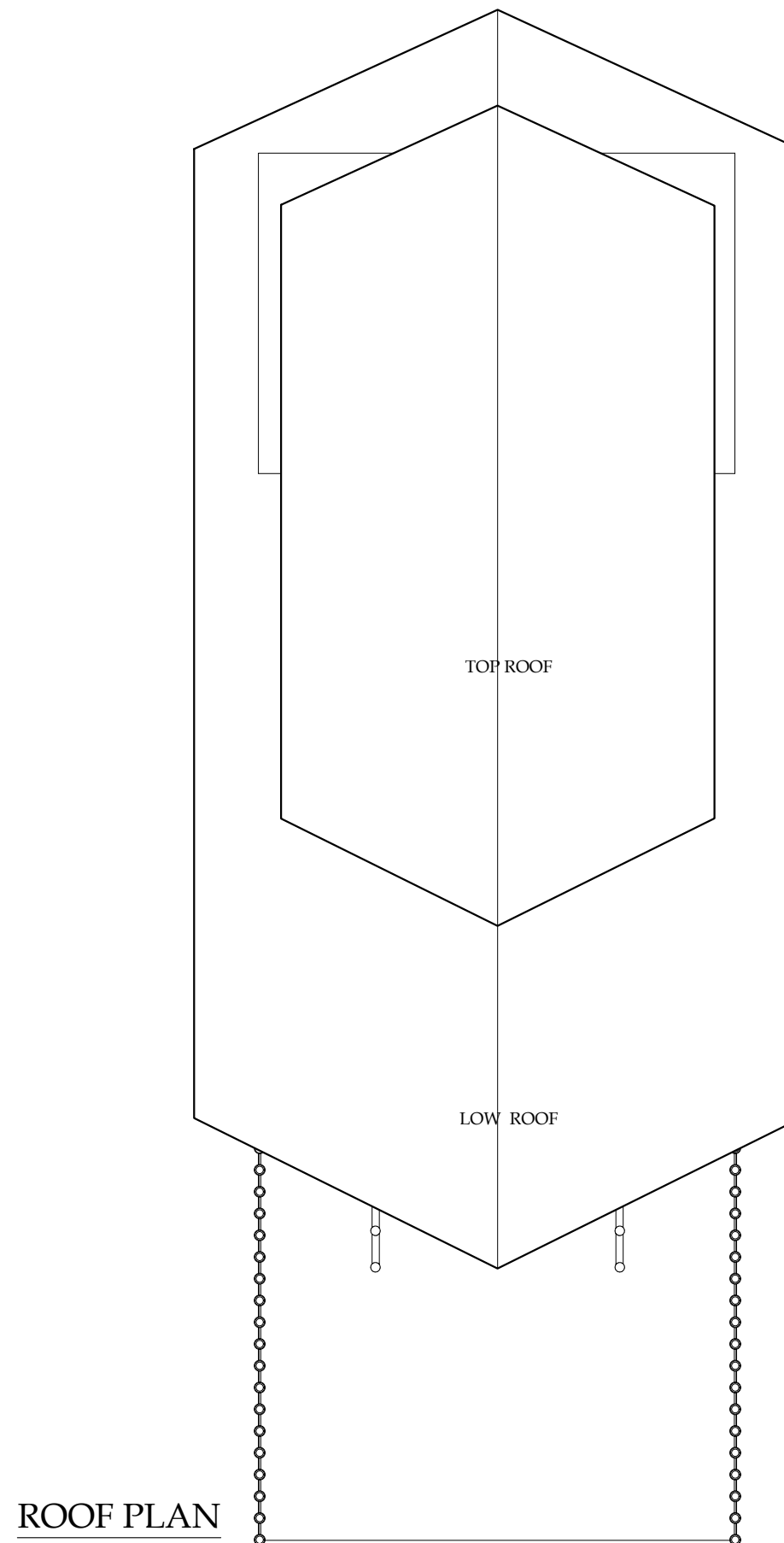
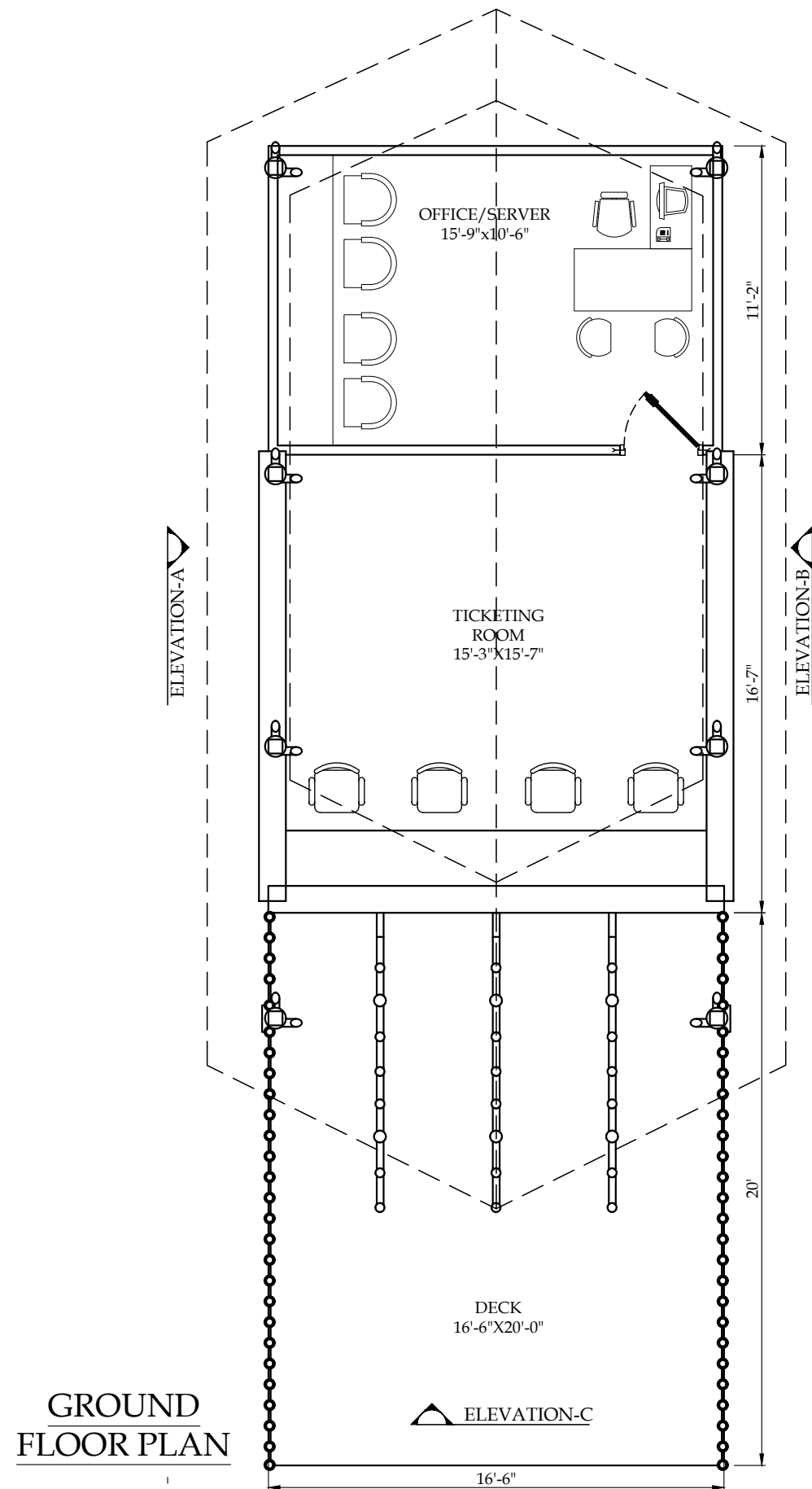


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

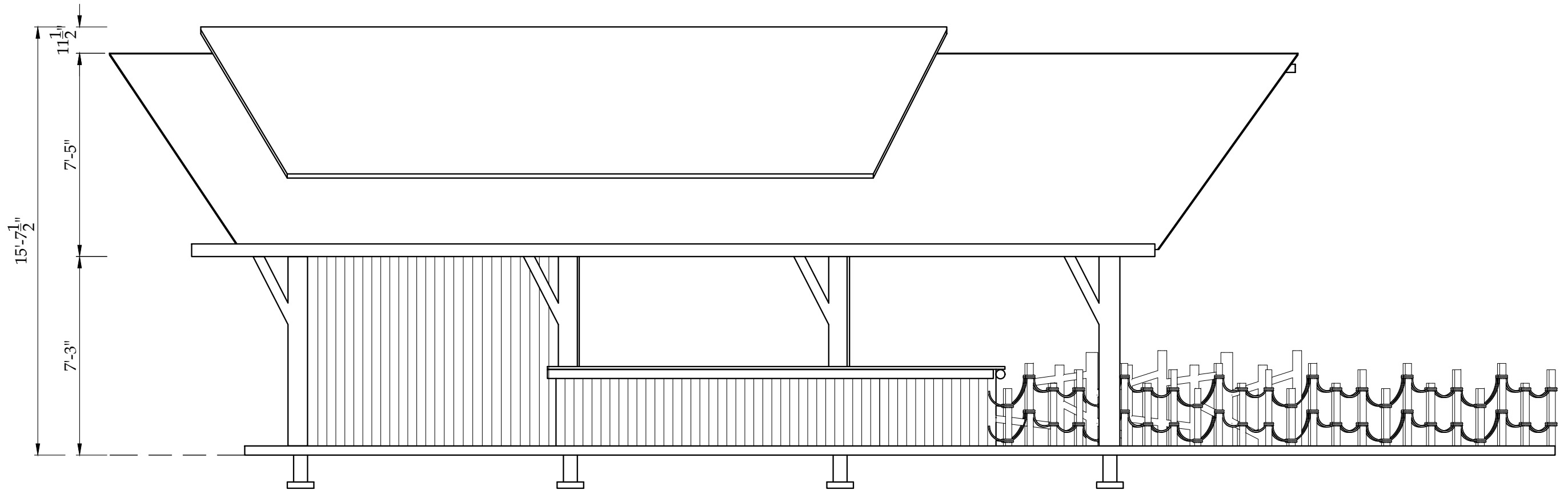
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

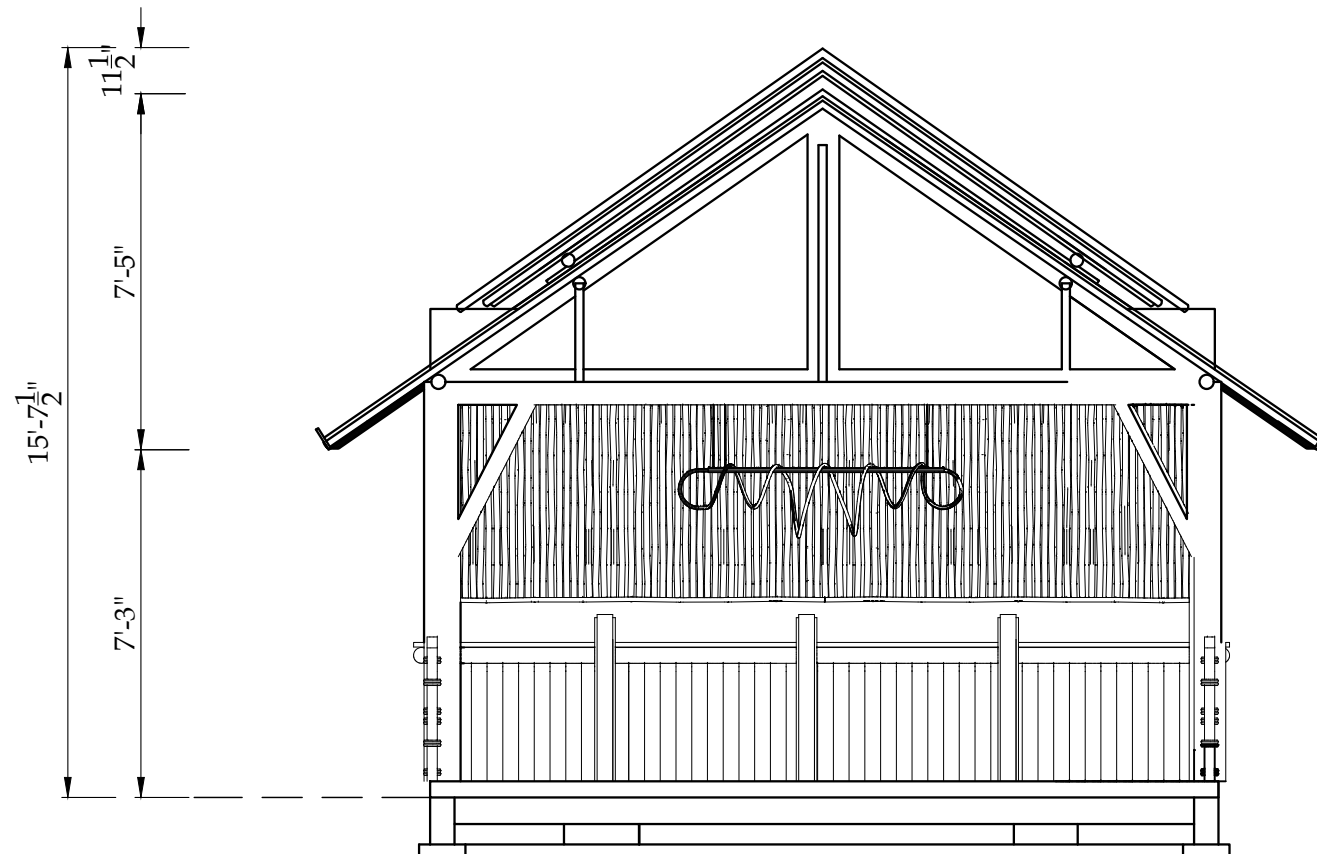
info@ecsp.com.pk www.ecsp.com.pk



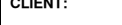
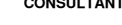
CLIENT:  PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	CONSULTANTS:  ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DRAWN BY: MUDASSAR HUSSAIN	DRAWING TITLE: GATE PLAN	DRAWING NO: AR- 1801	REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY: MIR SHEHREYAR						
			CHECKED BY: ZEESHAN ALI		SCALE:	SHEET:			
			APPROVED BY:			A3			
			DATE: NOVEMBER, 2024						



ELEVATION-A & B



ELEVATION-C

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE	
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		MUDASSAR HUSSAIN		ELEVATION A , B & C		AR- 1802						
						DESIGNED BY: MIR SHEHREYAR										
						CHECKED BY: ZEESHAN ALI										
						APPROVED BY:										
						NOVEMBER, 2024					SCALE:	SHEET:				
											A3					

ARCHITECTURAL
WORKING DRAWINGS

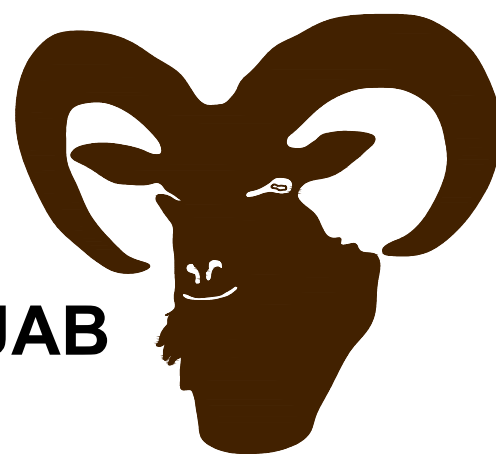
PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA
TRAMP STATION

CLIENT:



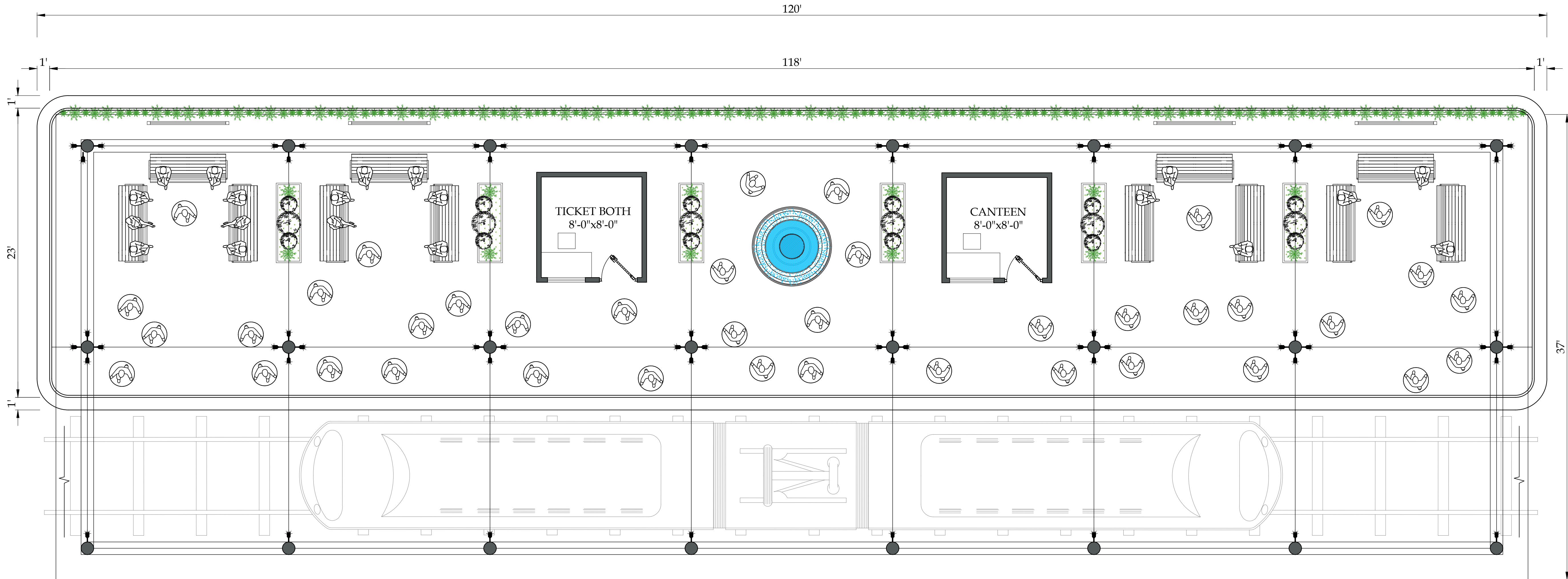
PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:



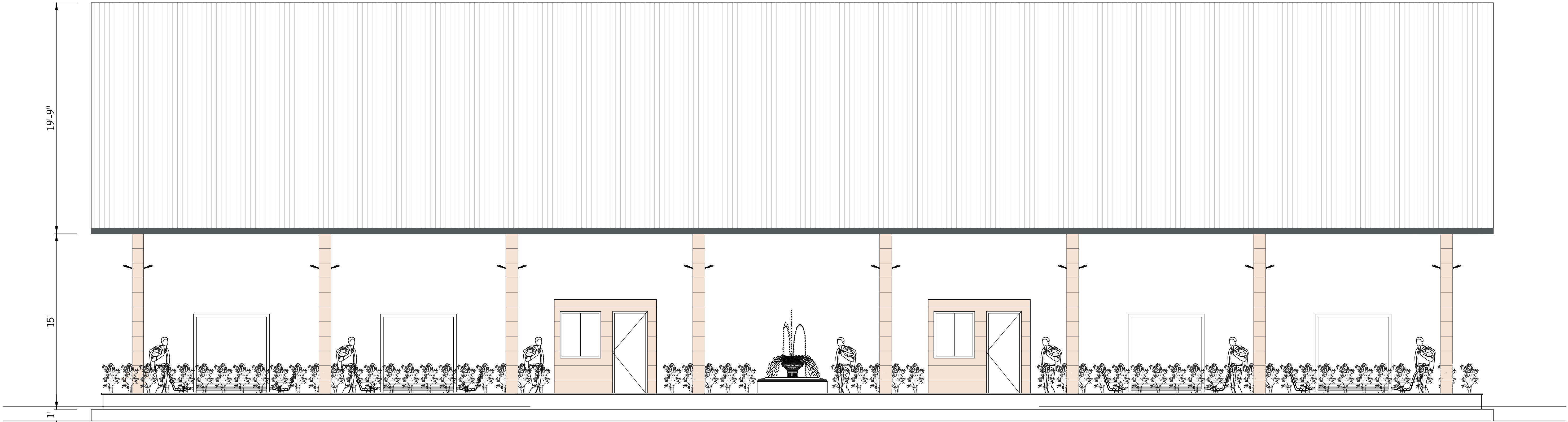
ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
+92-42-99333976, +92-42-5717681-4
info@ecsp.com.pk www.ecsp.com.pk



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:		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY:	MIR SHEHREYAR		AR- 1901					
			CHECKED BY:	ZEESHAN ALI		SCALE:	SHEET:				
			APPROVED BY:								
			DATE:	NOVEMBER, 2024							



TRAM STATION REAR ELEVATION

SCALE:- 1/8" = 1'-0"



TRAM STATION FRONT ELEVATION

SCALE:- 1/8" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY: MIR SHEHREYAR		DRAWING TITLE: TRAM STATION ELEVATION		DRAWING NO: AR-1902		REV.		DESCRIPTION		SIGN.		DATE	
						CHECKED BY: ZEESHAN ALI				SCALE:		SHEET:							
						APPROVED BY:													
						DATE: NOVEMBER, 2024													

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:

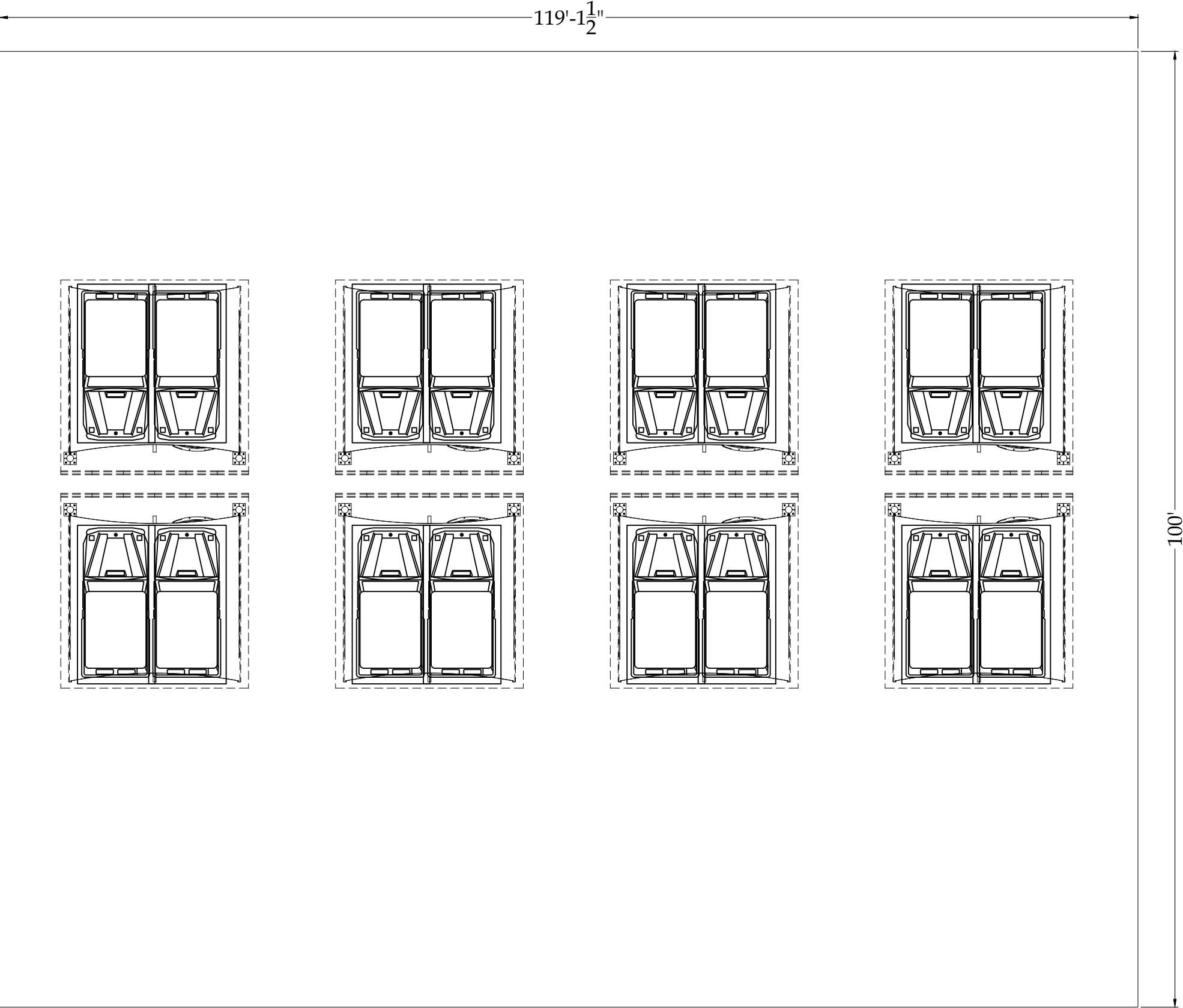


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PUNJAB (PVT) LTD (ECSP).

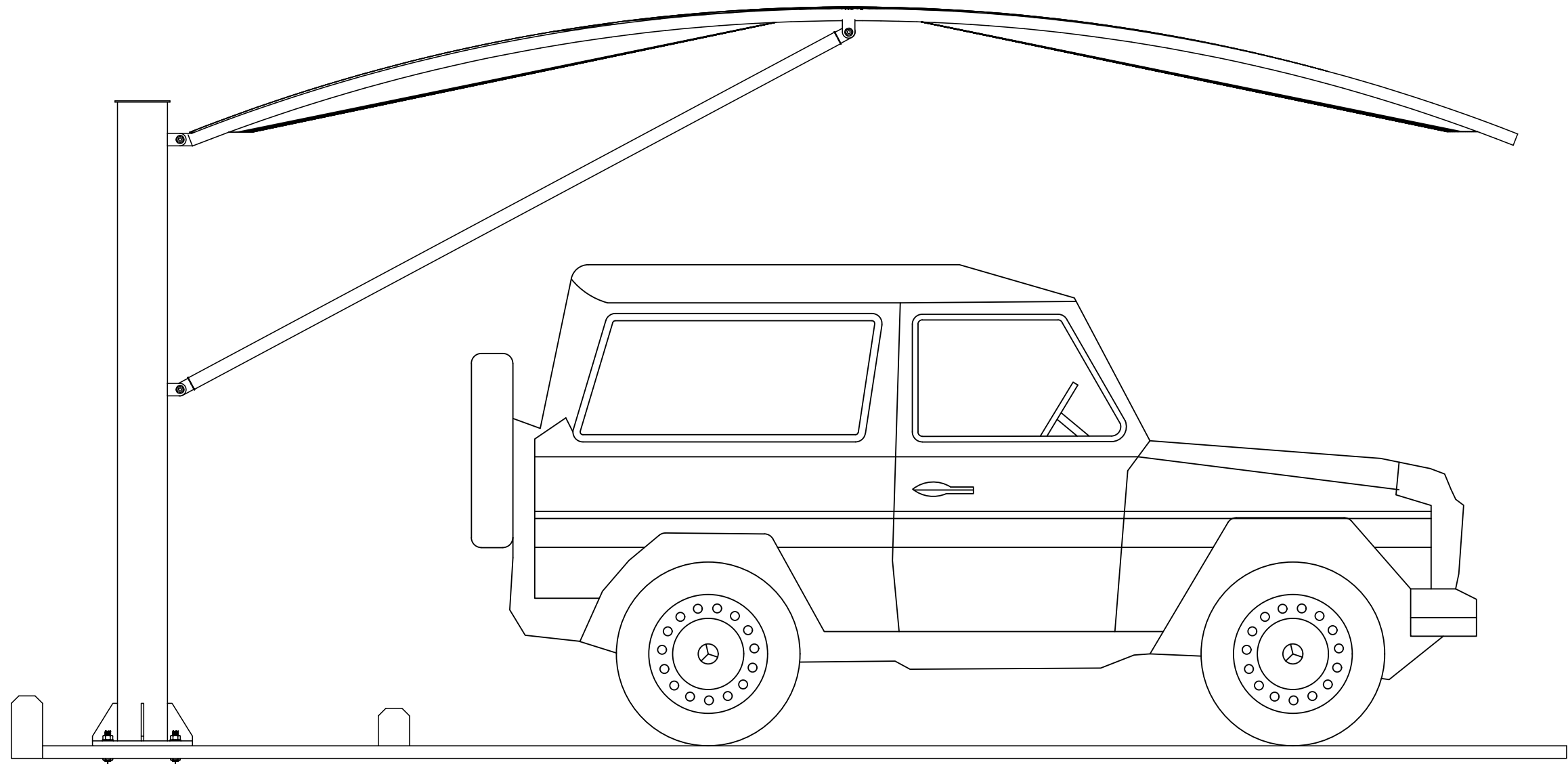
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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JEEPS PARKING



STEEL STRUCTURE TENSILE SHED ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	 ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DESIGNED BY:	MIR SHEHREYAR		FRONT ELEVATION		AR- 2002	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 MINI GATE

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:



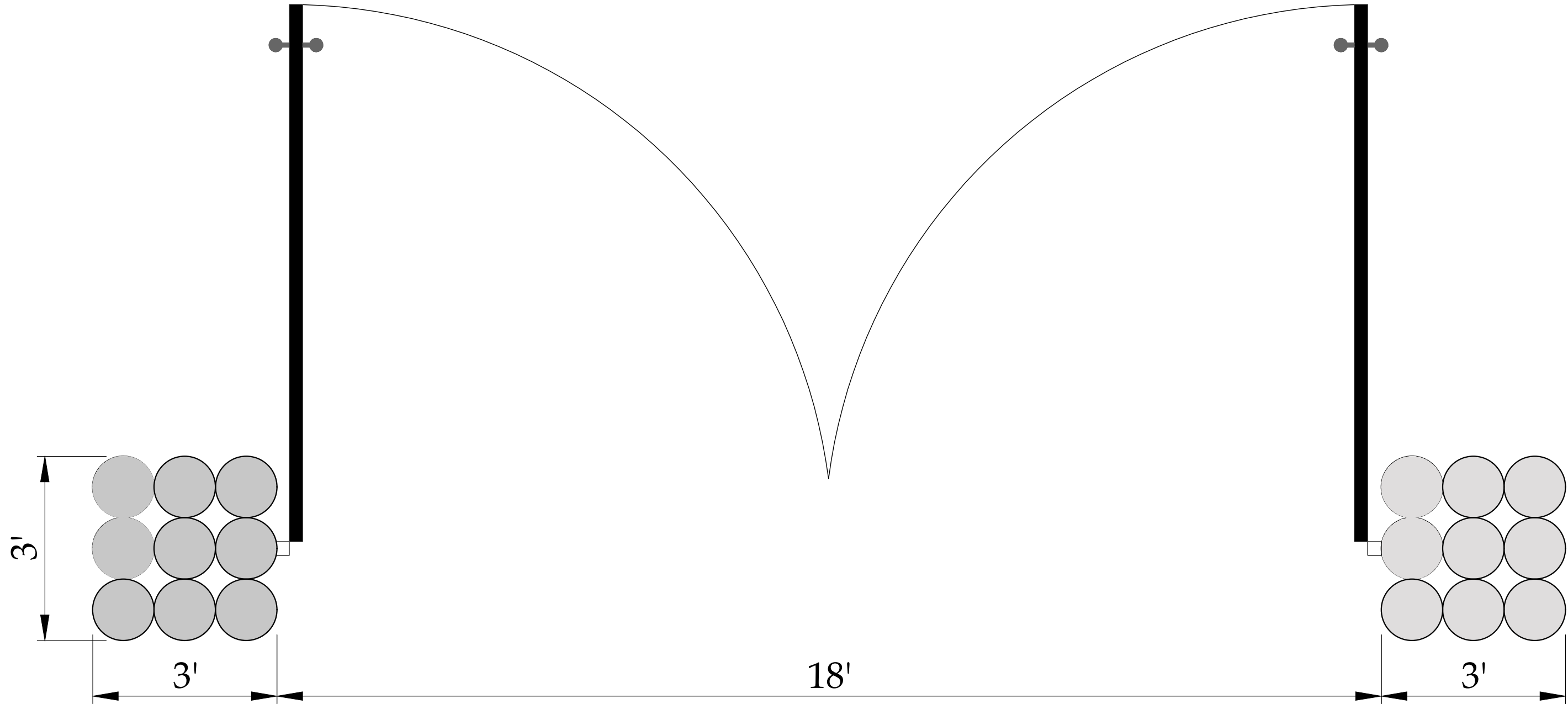
ENGINEERING CONSULTANCY SERVICES

PUNJAB (PVT) LTD (ECSP).

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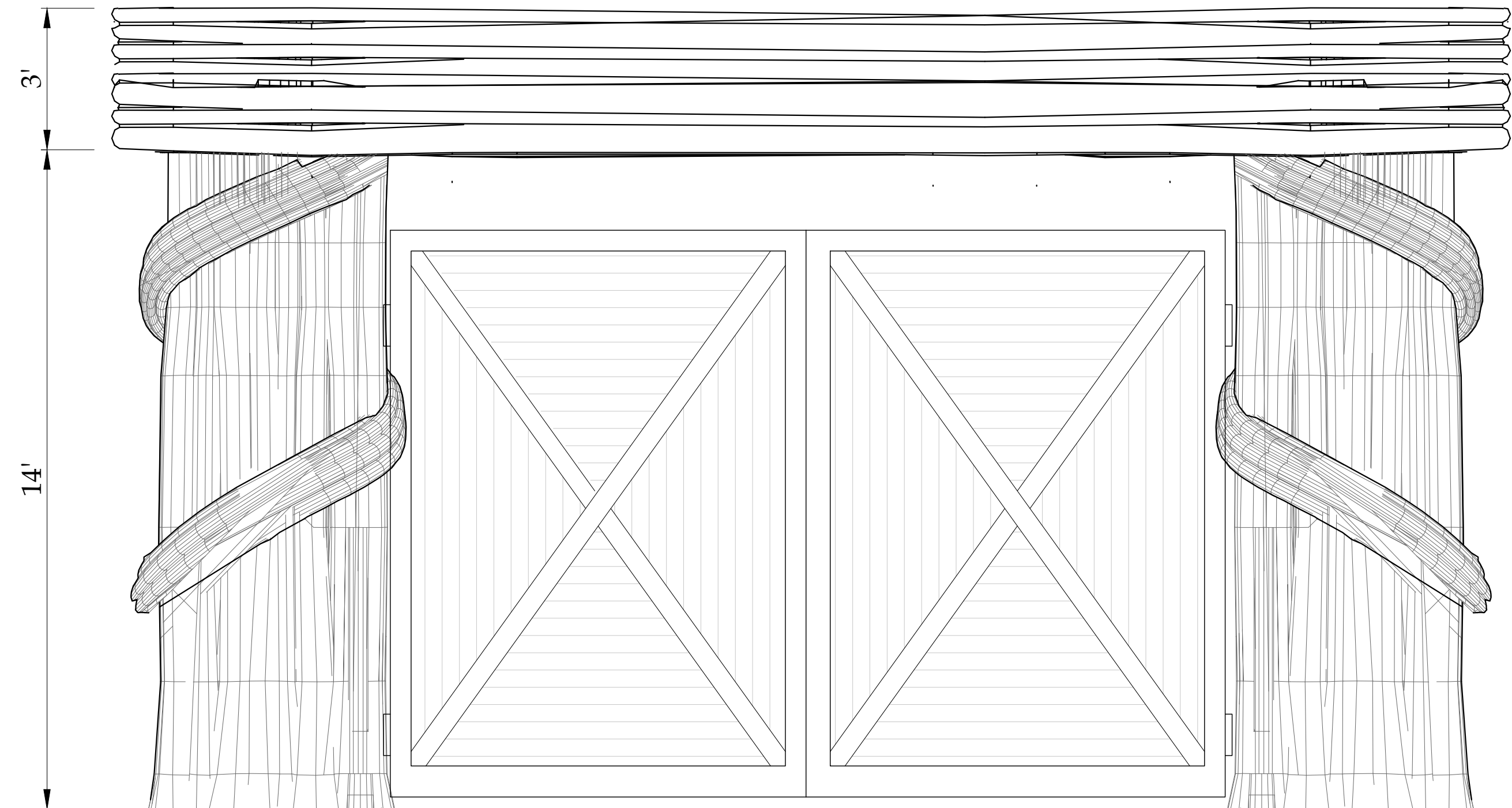
+92-42-99333976, +92-42-5717681-4

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JUNGLE SAFARI MINI GATE PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	 ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DESIGNED BY:	MIR SHEHREYAR		JUNGLE SAFARI MINI GATE PLAN		AR- 2101		SCALE:	SHEET: A3				
			CHECKED BY:	ZEESHAN ALI											
			APPROVED BY:												
			DATE:	NOVEMBER, 2024											



JUNGLE SAFARI MINI GATE ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	 ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DRAWN BY: MUDASSAR HUSSAIN	DESIGNED BY: MIR SHEHREYAR	CHECKED BY: ZEESHAN ALI	APPROVED BY:	NOVEMBER, 2024	ELEVATION	AR- 2102	SCALE:	SHEET: A3				

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:

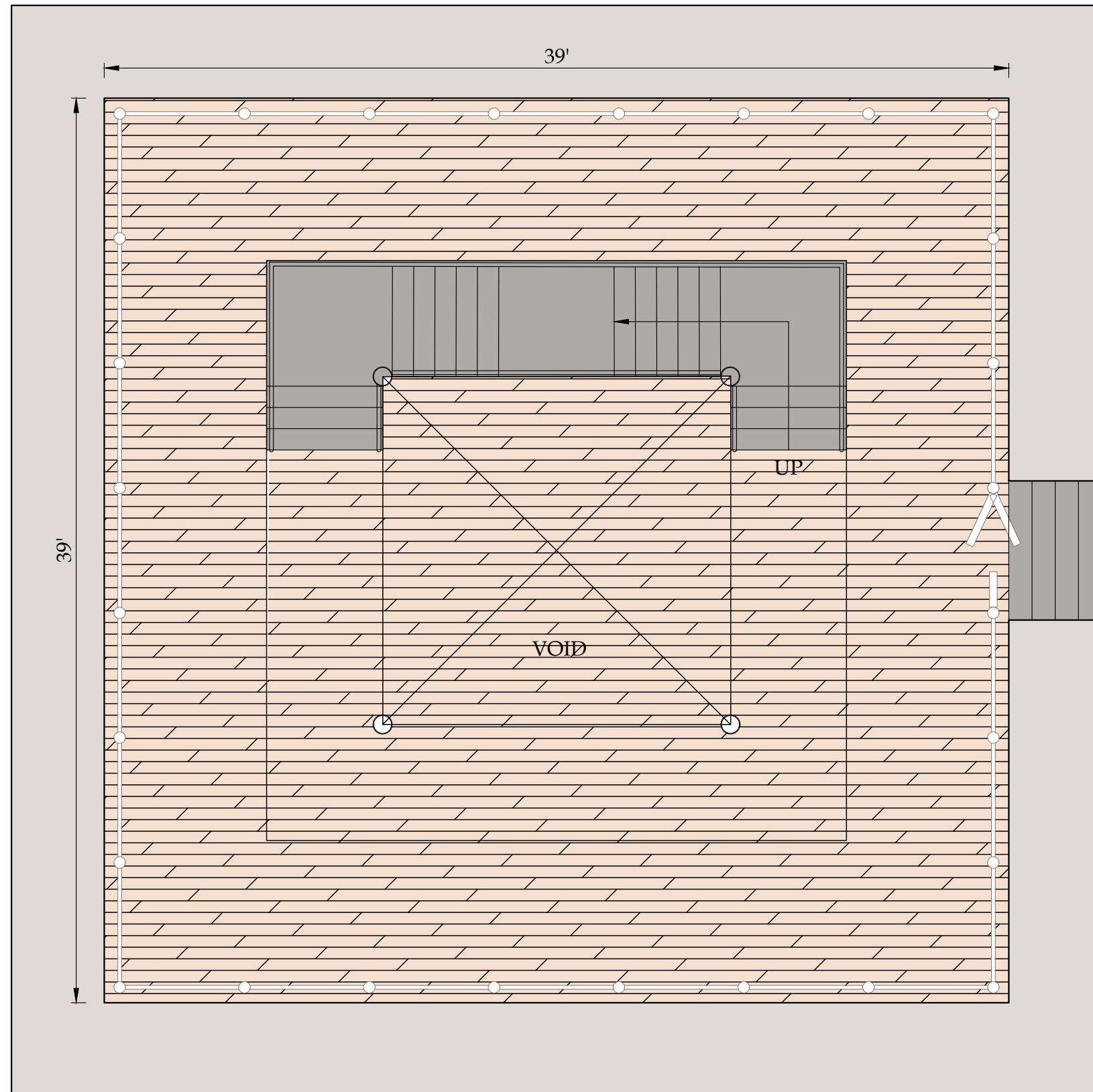


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PUNJAB (PVT) LTD (ECSP).

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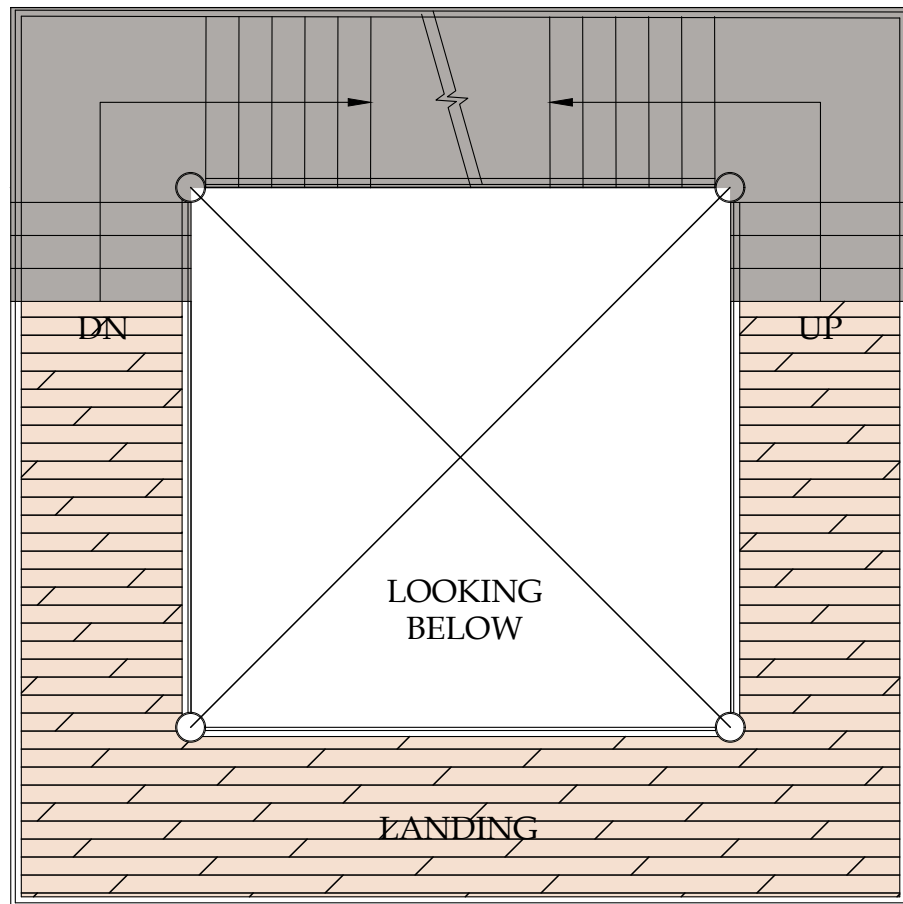
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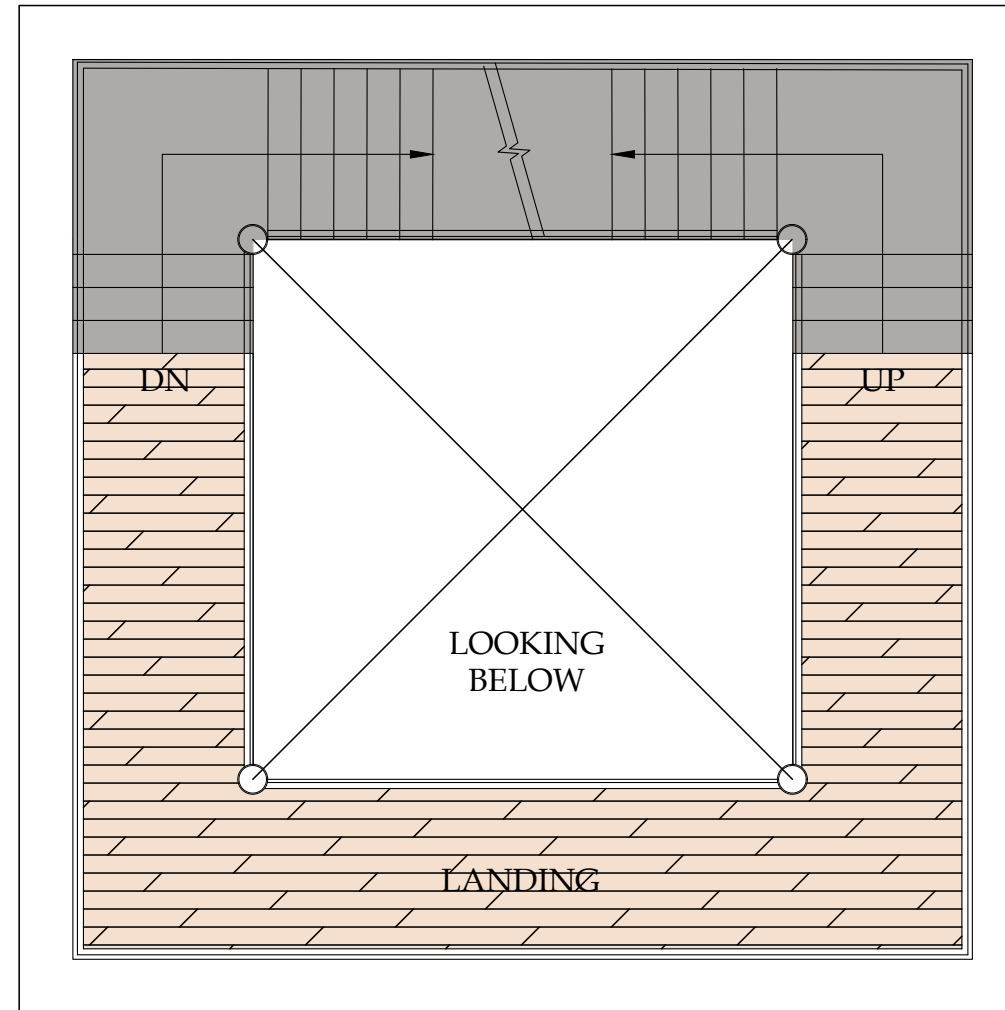


GROUND FLOOR PLAN

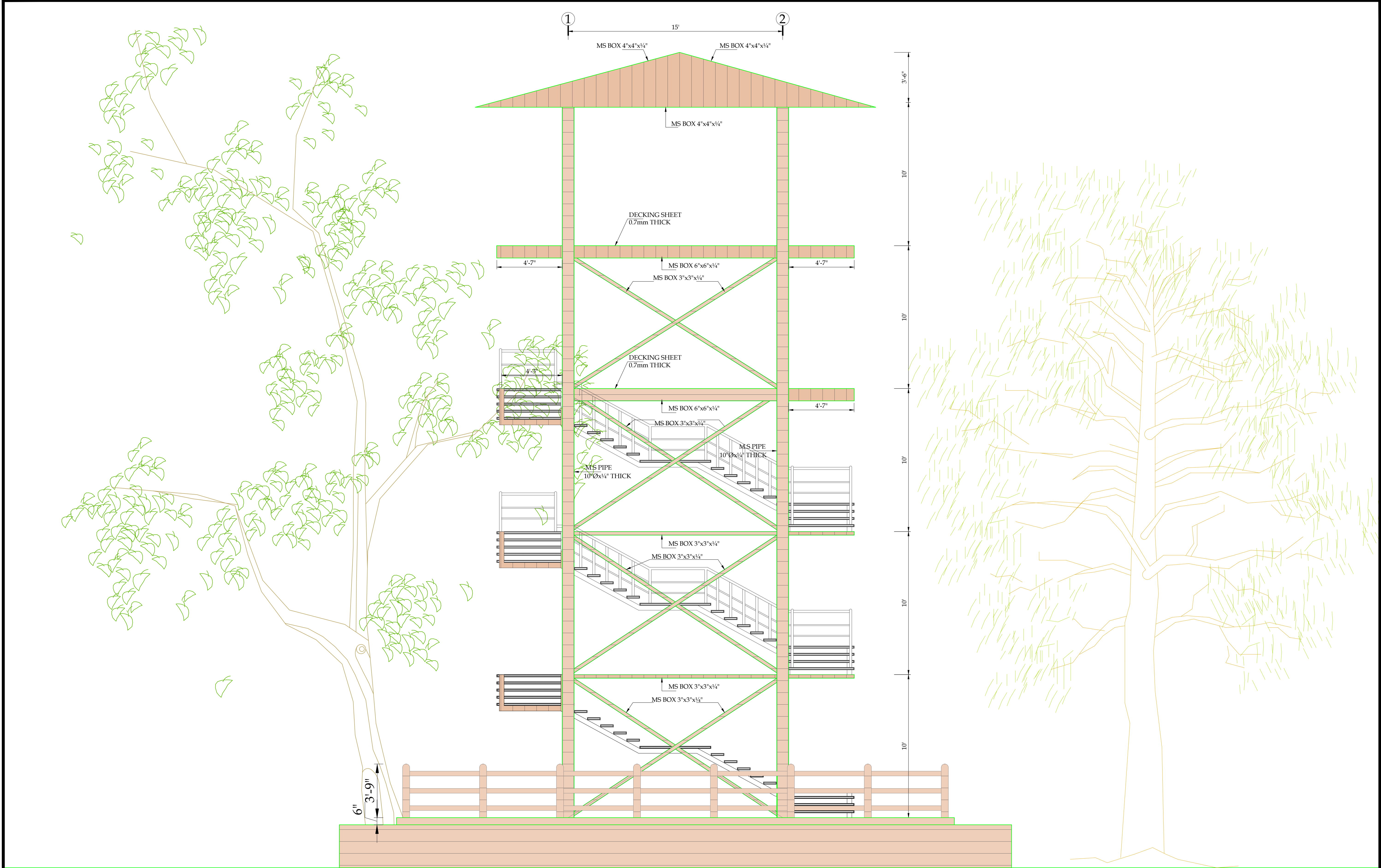
CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			MUDASSAR HUSSAIN			GROUND FLOOR PLAN			AR- 2201					
									DESIGNED BY:											
									MIR SHEHREYAR											
									CHECKED BY:											
									ZEESHAN ALI											
APPROVED BY:						NOVEMBER, 2024			SCALE:		SHEET:									
								A3												

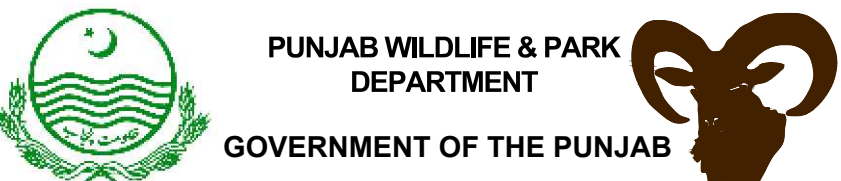


FIRST FLOOR PLAN



SECOND FLOOR PLAN



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	MUDASSAR HUSSAIN		SECTION-AA & BB	AR- 2203		SCALE:	SHEET: A3				
					MIR SHEHREYAR										
					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:

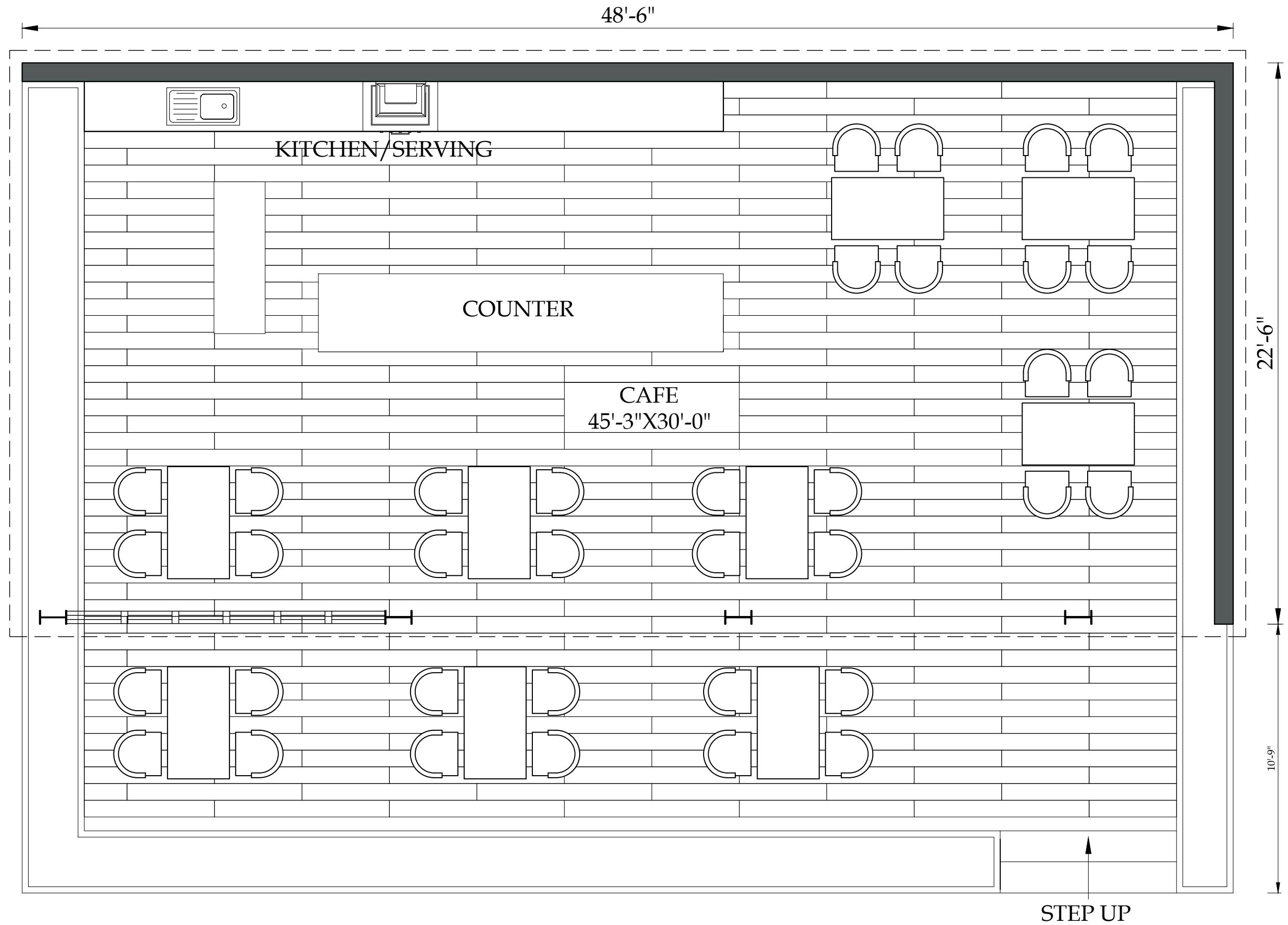


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PUNJAB (PVT) LTD (ECSP).

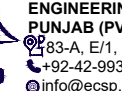
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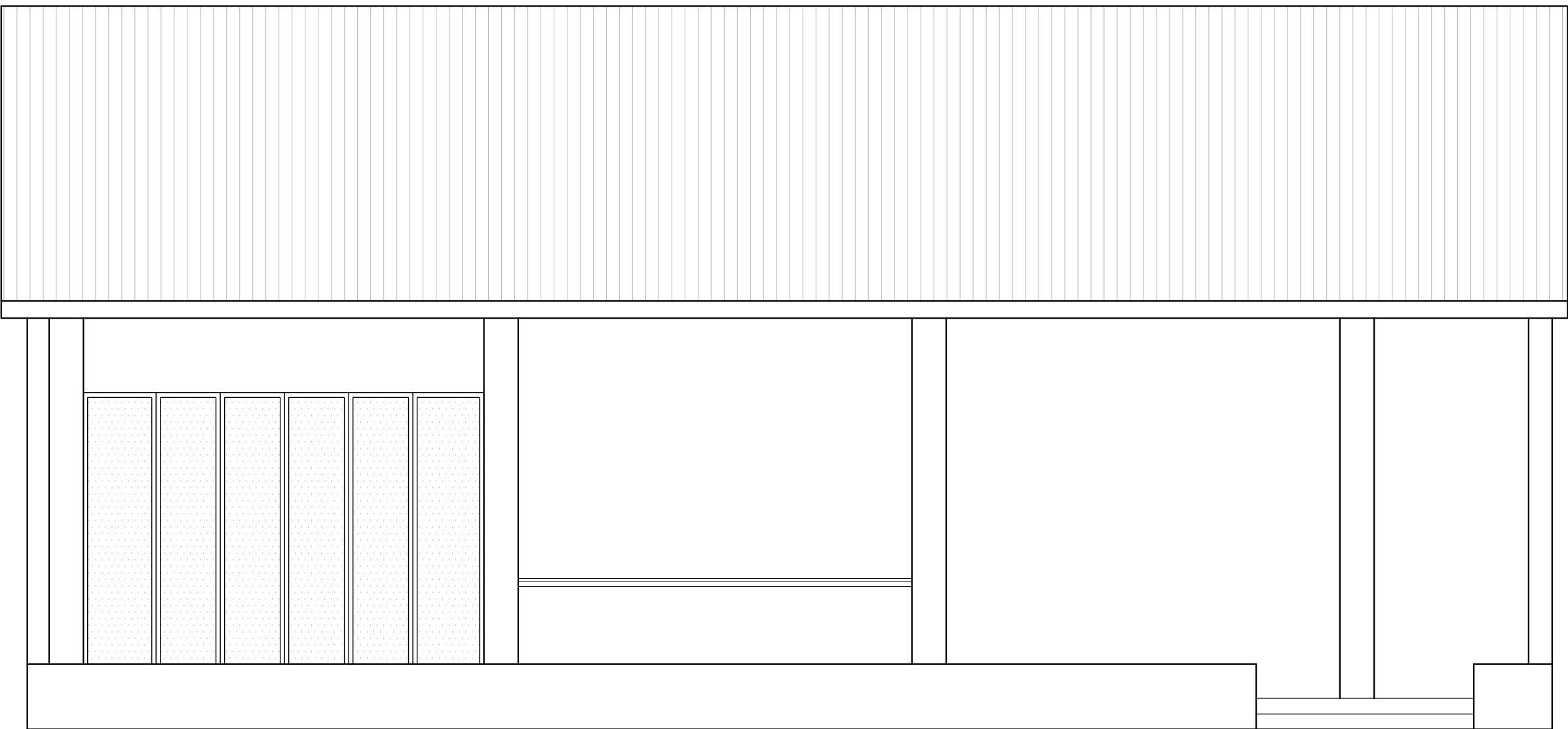
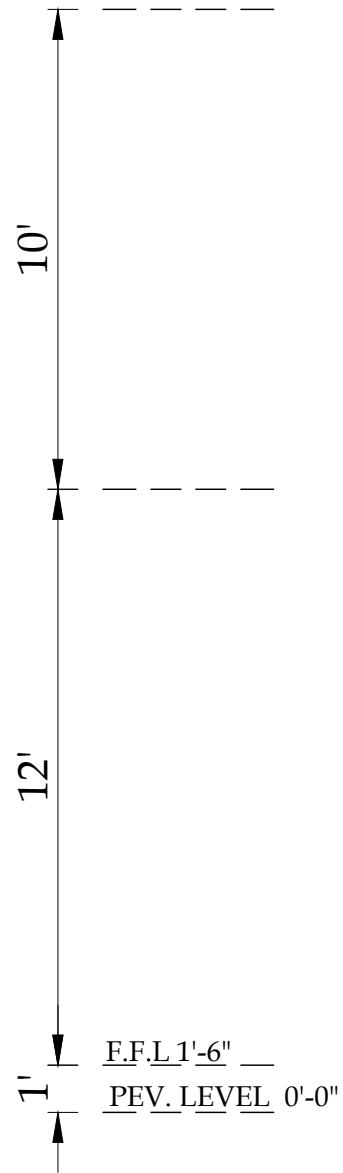
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CAFE MAIN PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DRAWN BY: MUDASSAR HUSSAIN		DRAWING TITLE: CAFE MAIN PLAN		DRAWING NO: AR- 2301		REV.		DESCRIPTION		SIGN.		DATE	
						DESIGNED BY: MIR SHEHREYAR				SCALE:		SHEET: A3							
						CHECKED BY: ZEESHAN ALI													
						APPROVED BY:													
						DATE: NOVEMBER, 2024													



ELEVATION

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:

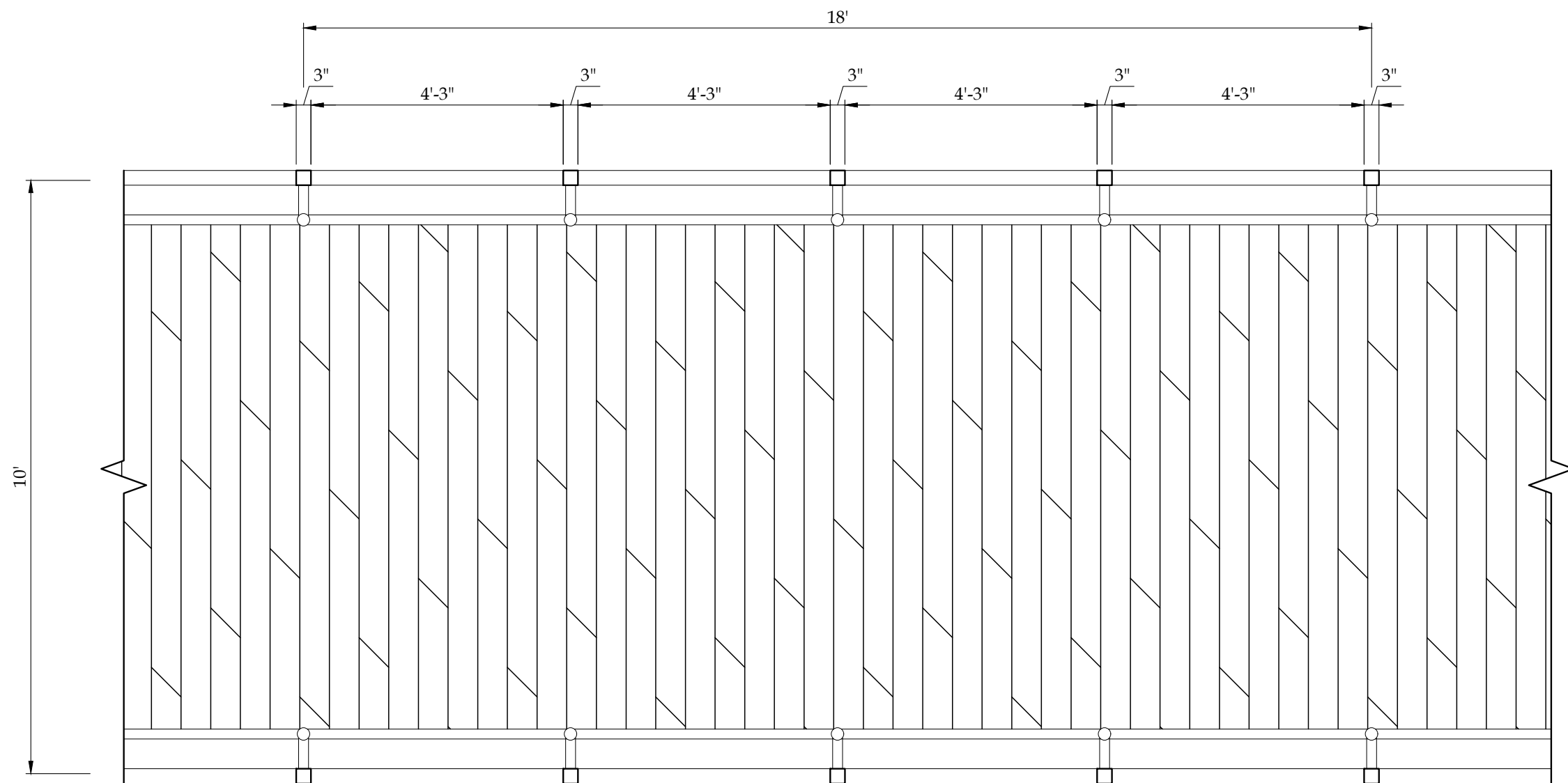


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

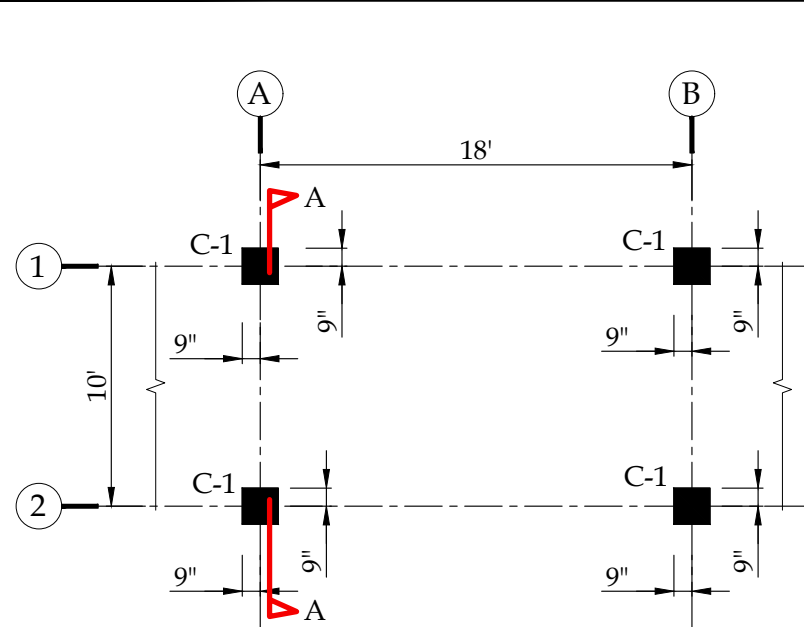
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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info@ecsp.com.pk www.ecsp.com.pk

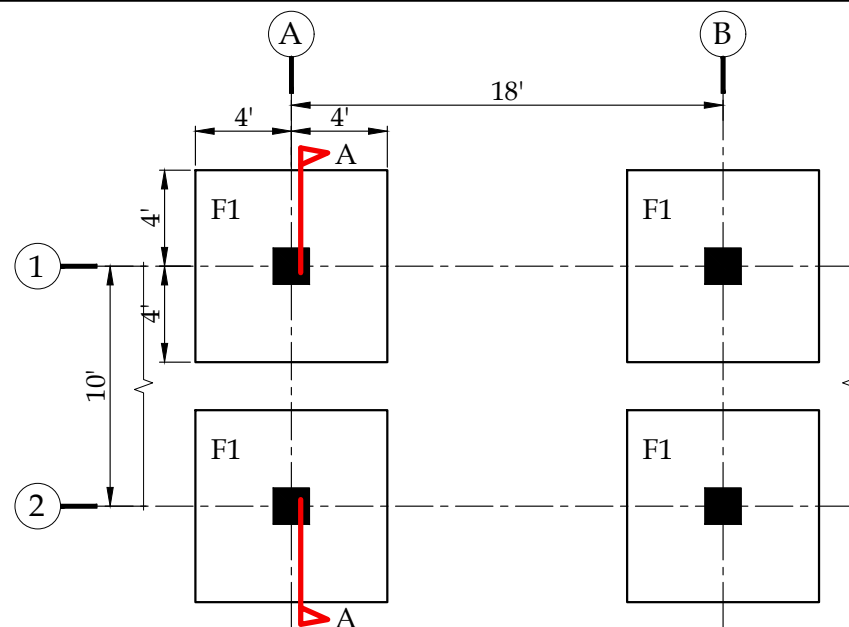


SCALE:- $3/8'' = 1'-0''$



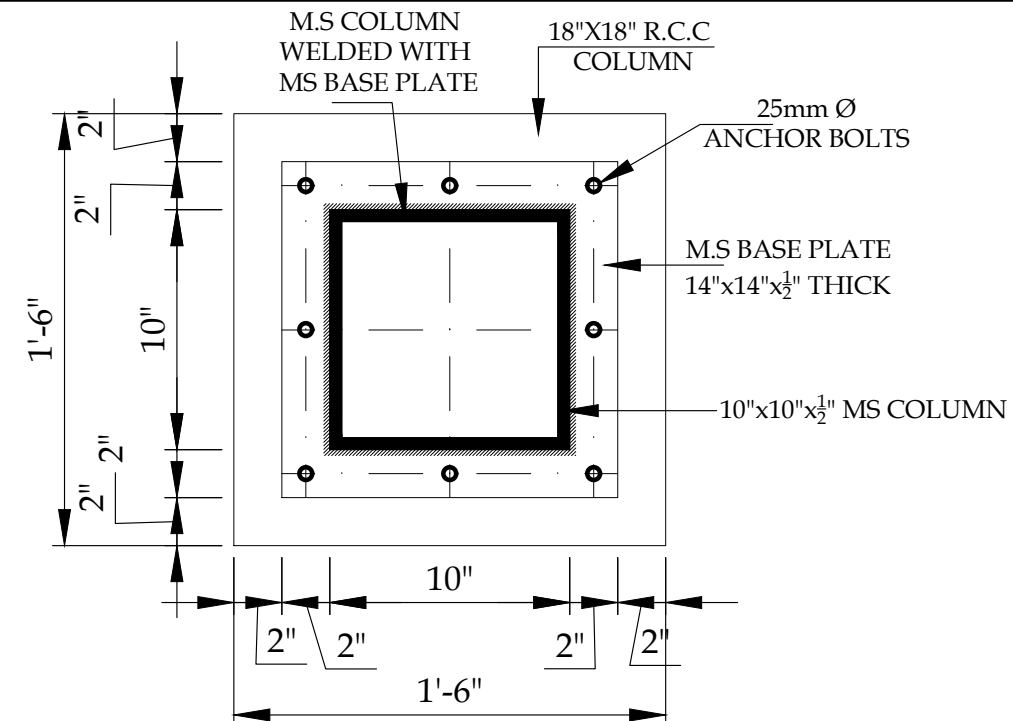
COLUMNS LAYOUT PLAN

SCALE:- 1/8" = 1'-0"

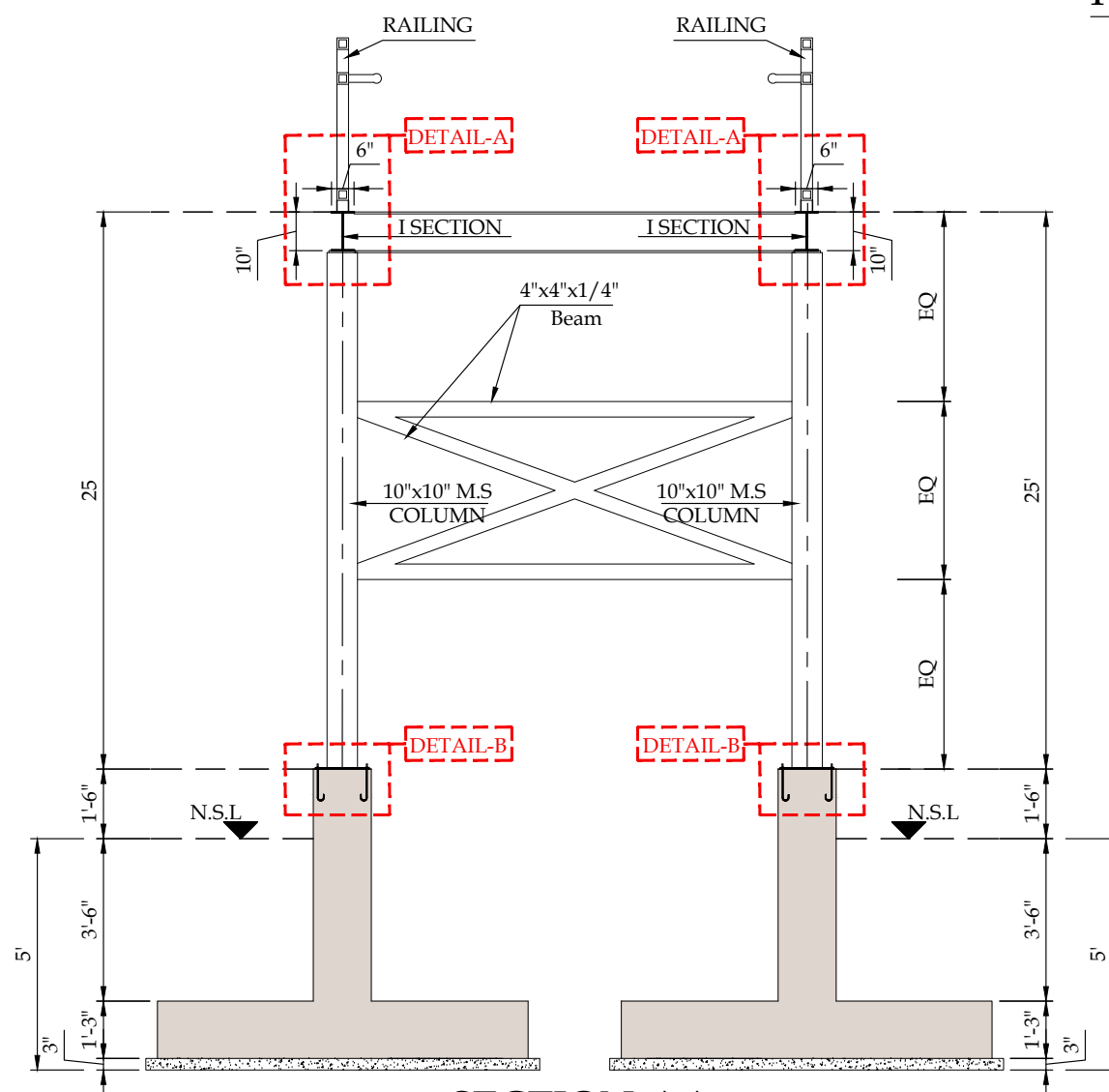


FOUNDATION LAYOUT PLAN

SCALE:- 1/8" = 1'-0"

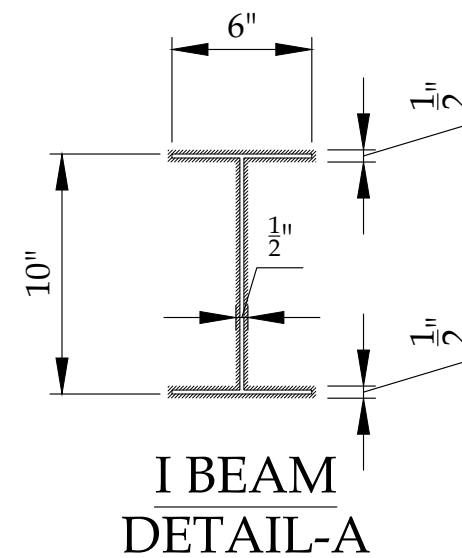


**M.S BASE PLATE
DETAIL.B**

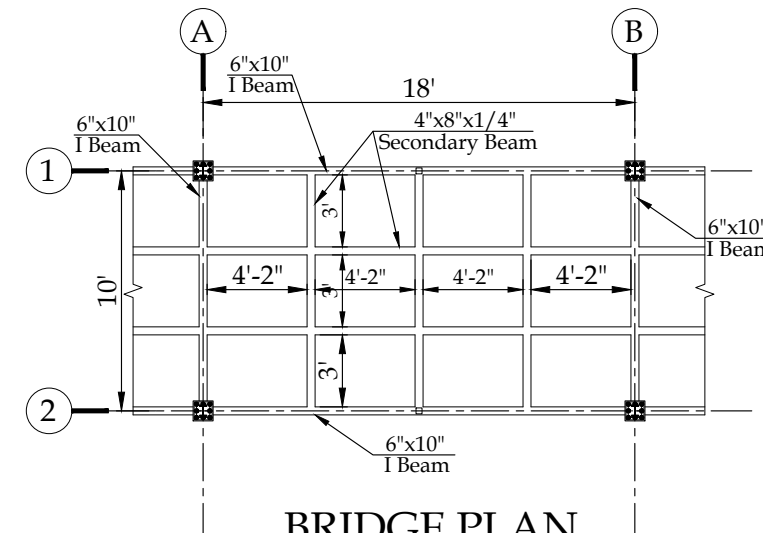


SECTION-AA

SCALE:- 1/4" = 1'-0"



**I BEAM
DETAIL-A**



BRIDGE PLAN

SCALE:- 1/8" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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.pkwww.ecsp.com.pk		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:		MIR SHEHREYAR		BRIDGE STRUCTURE DETAIL		AR- 2402							
						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

SITTING AREA

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

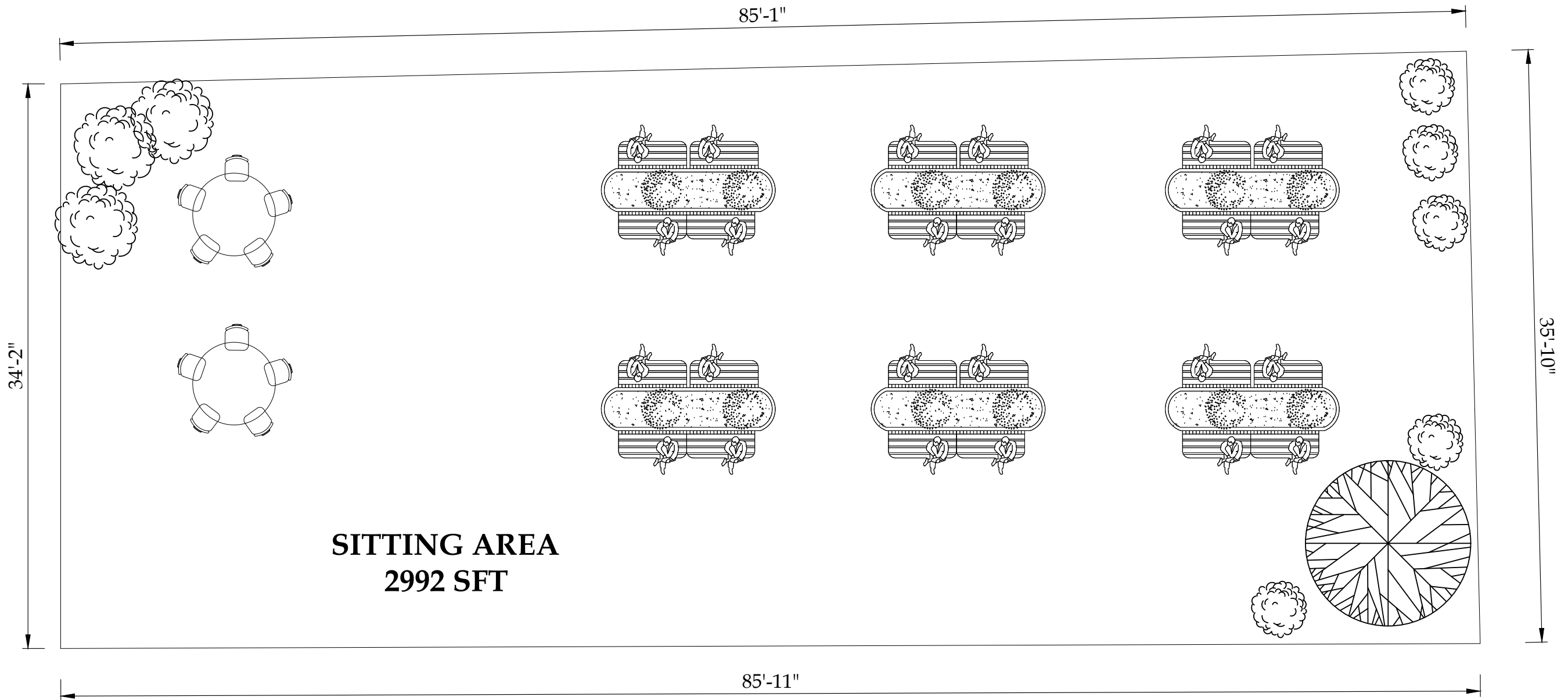


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SITTING AREA PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		MUDASSAR HUSSAIN		SITTING AREA PLAN	AR-2501						
						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
MEDICAL CENTER

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

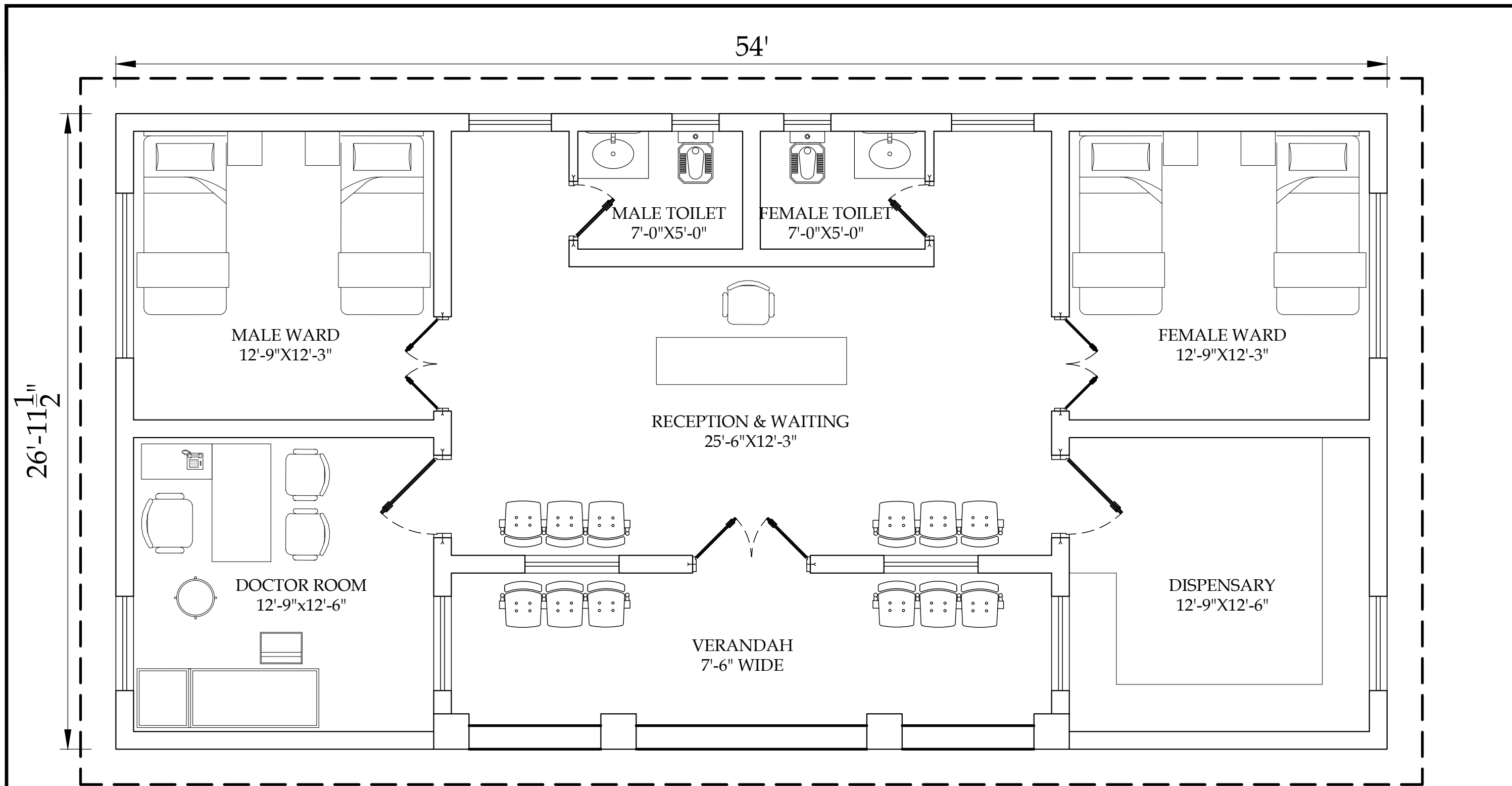


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PUNJAB (PVT) LTD (ECSP).

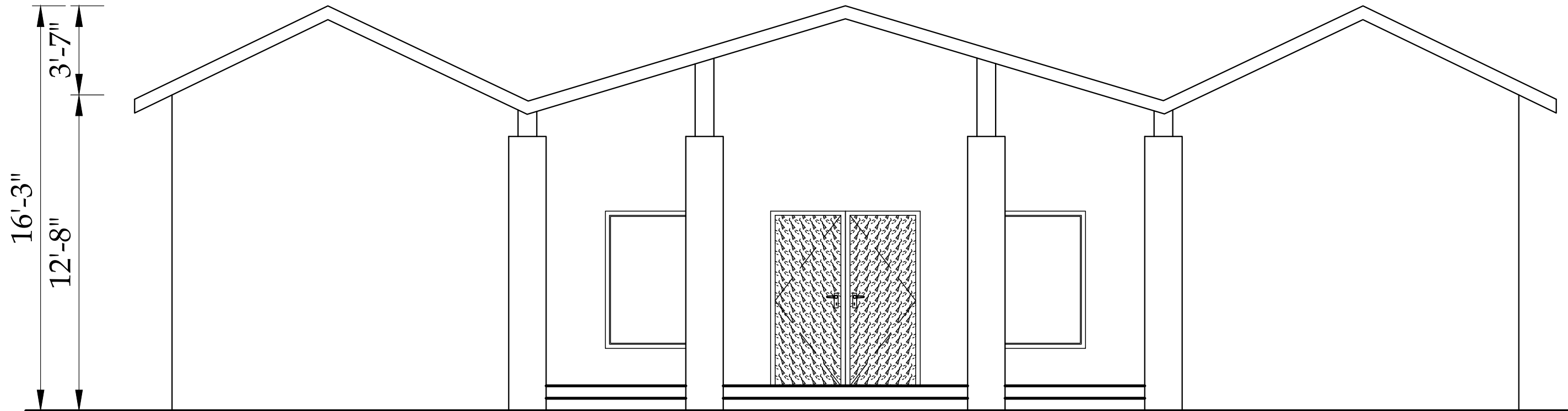
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GROUND FLOOR PLAN



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:

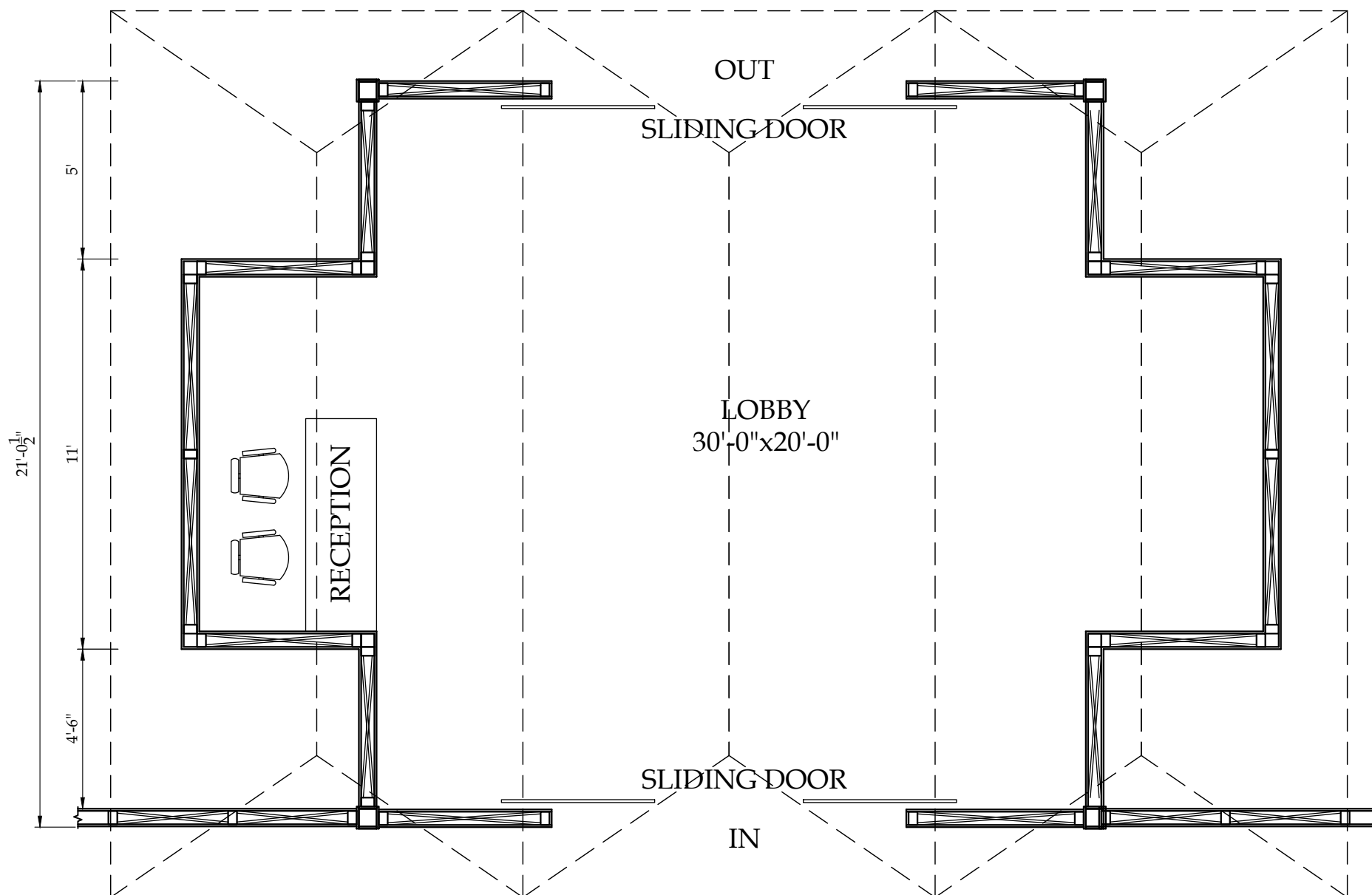


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

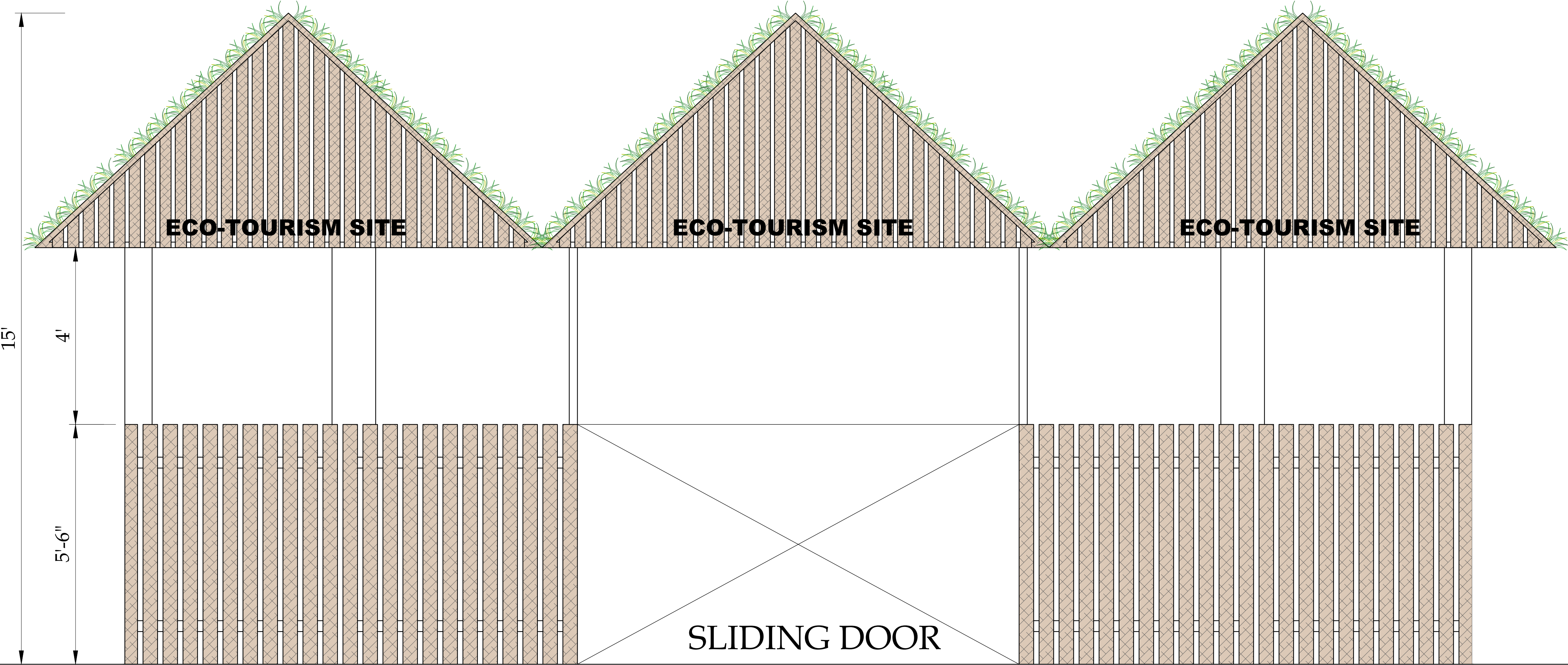
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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ECO-TOURISUM 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: ECO-TOURISUM GATE ELEVATION	DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY:	MIR SHEHREYAR		AR- 2702					
			CHECKED BY:	ZEESHAN ALI		SCALE:	SHEET:				
			APPROVED BY:								
			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:

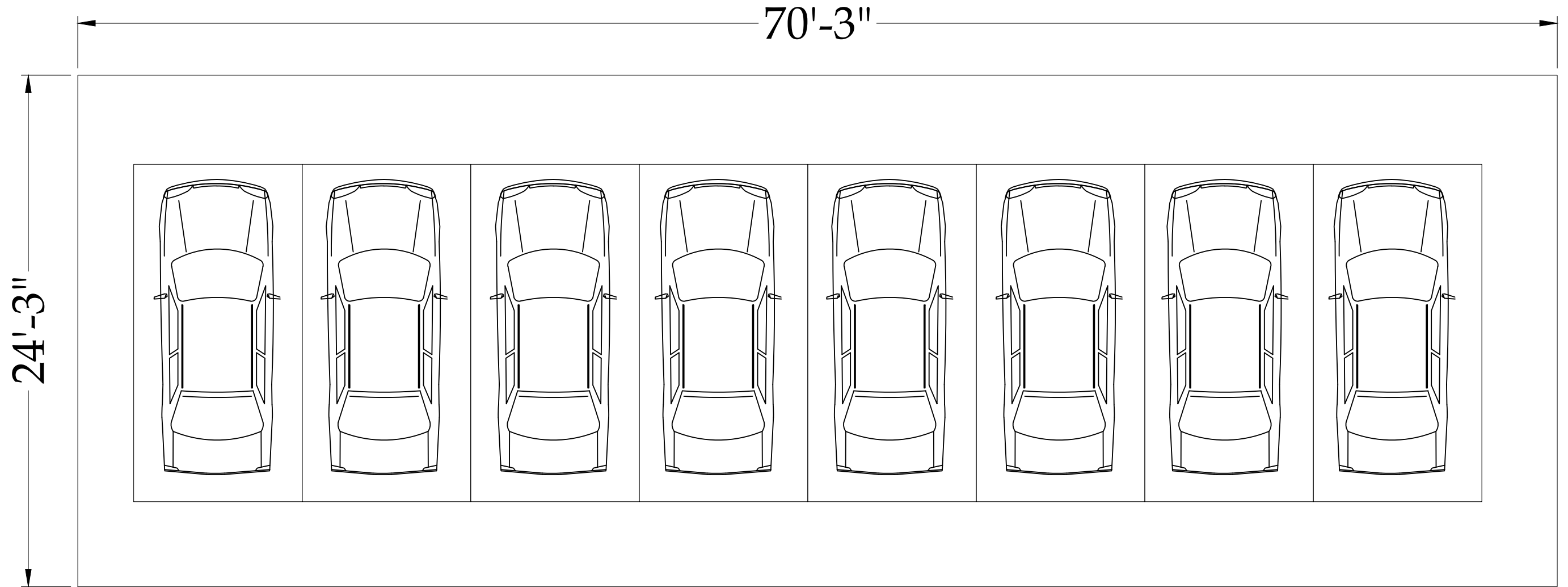


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CAR PARKING FOR EVE

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB   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 <td colspan="3" rowspan="5"> ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA) </td> <td colspan="3">MUDASSAR HUSSAIN</td> <td colspan="3" rowspan="5">CAR PARKING PLAN</td> <td colspan="2" rowspan="5">AR- 2801</td> <td colspan="2" rowspan="5">SCALE: SHEET: A3</td> <td></td> <td></td> <td></td> <td></td>			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			MUDASSAR HUSSAIN			CAR PARKING PLAN			AR- 2801		SCALE: SHEET: A3						
						DESIGNED BY: MIR SHEHREYAR														
						CHECKED BY: ZEESHAN ALI														
						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:

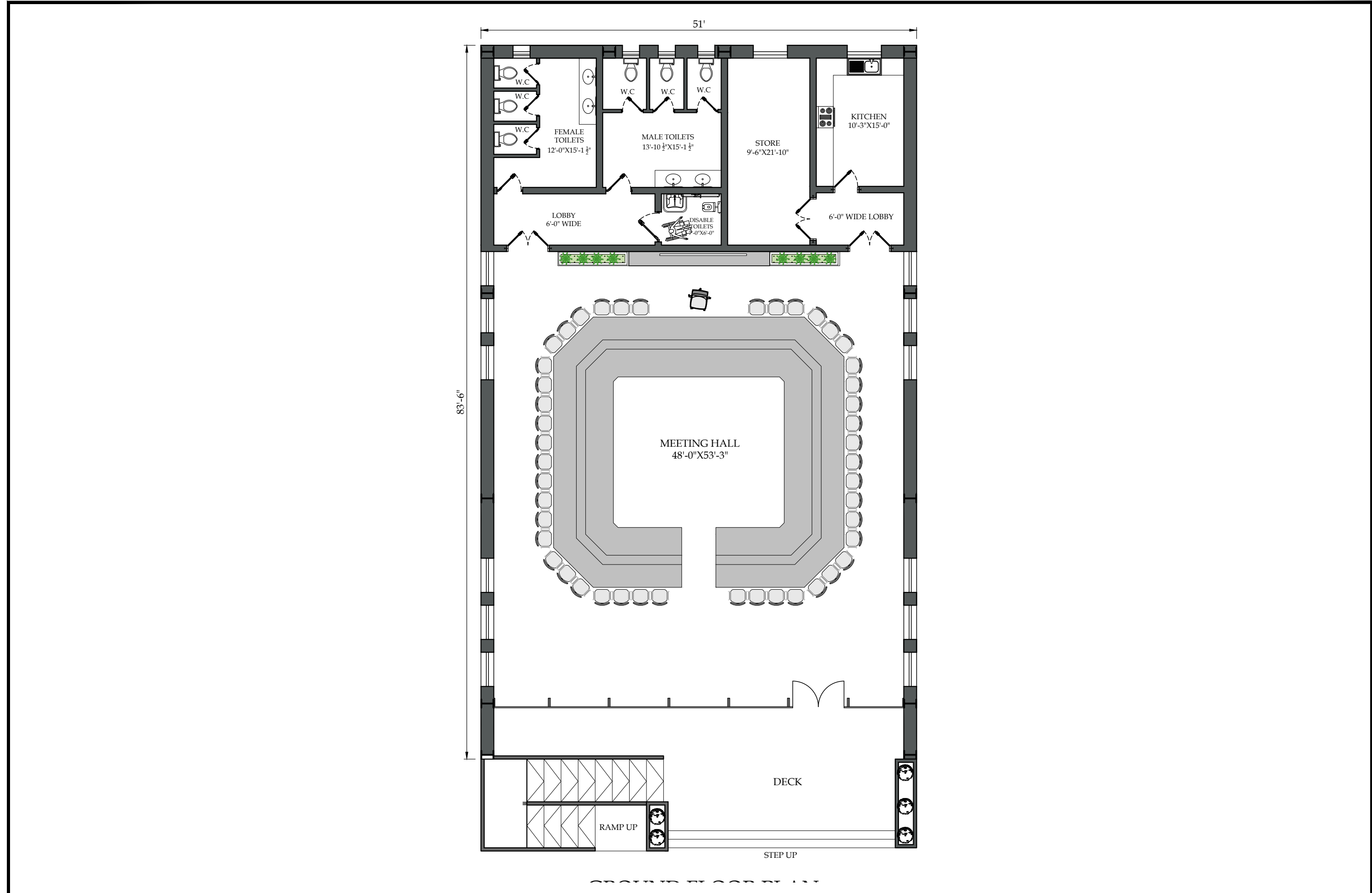


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

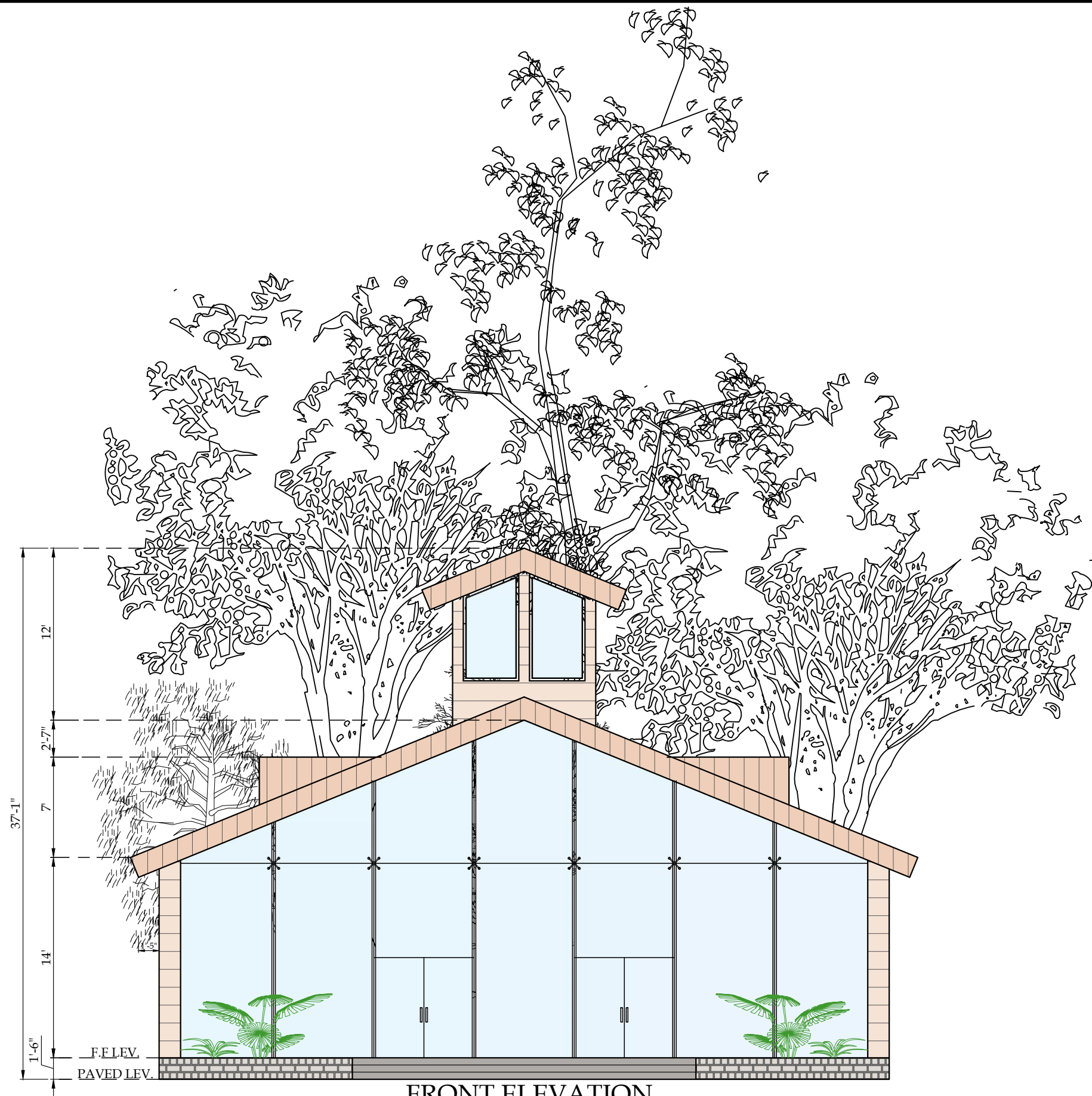
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



GROUND FLOOR PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:		MIR SHEHREYAR										GROUND FLOOR PLAN	
						CHECKED BY:		ZEESHAN ALI											
						APPROVED BY:													
						DATE:		NOVEMBER, 2024											
										SCALE:		SHEET:							
												A3							



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	DRAWING TITLE: FRONT ELEVATION	DRAWING NO: AR-2902	REV.	DESCRIPTION	SIGN.	DATE
						SCALE:	SHEET:		
			DESIGNED BY:	MIR SHEHREYAR			A3		
			CHECKED BY:	ZEESHAN ALI					
			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:

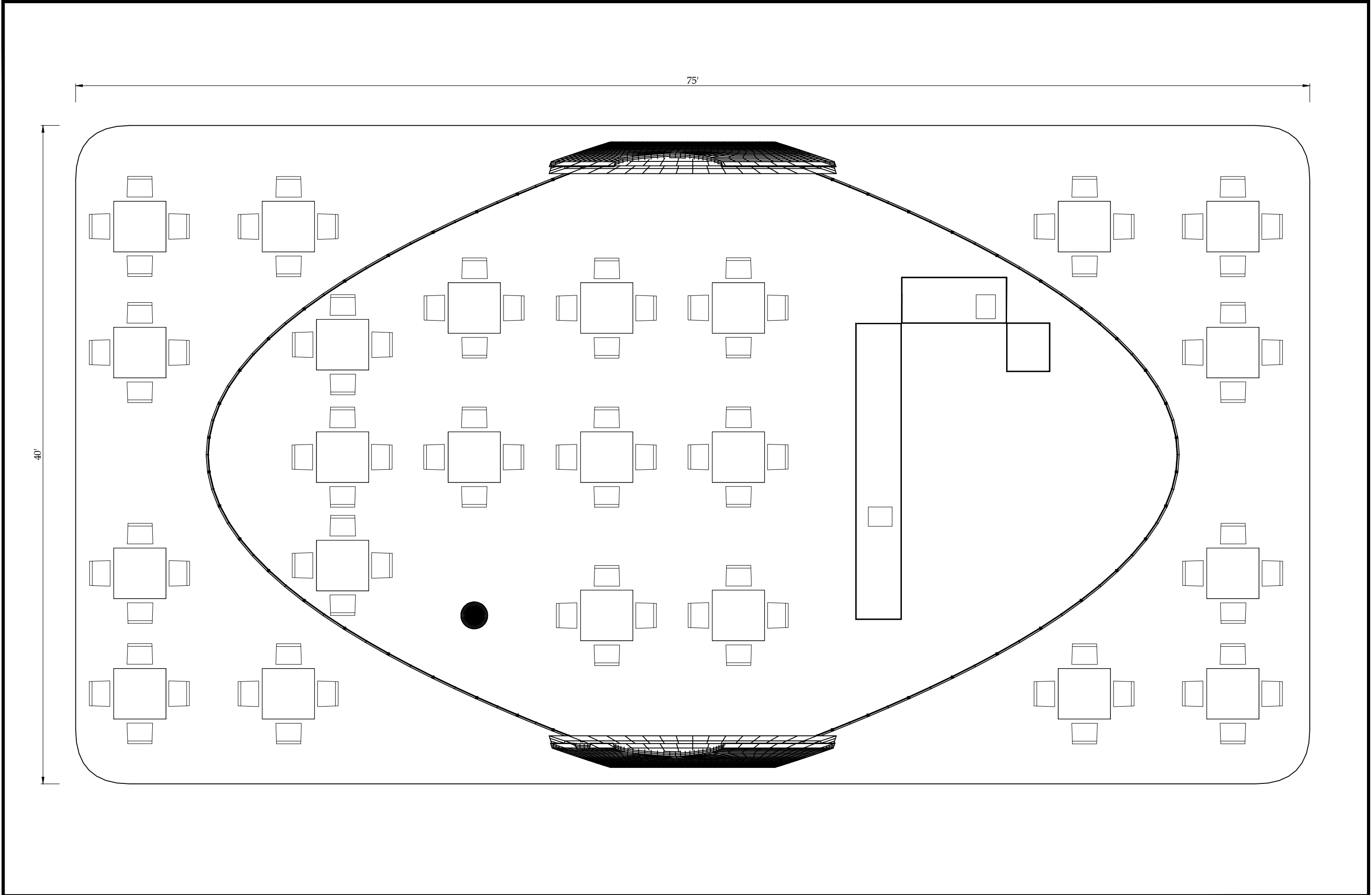


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

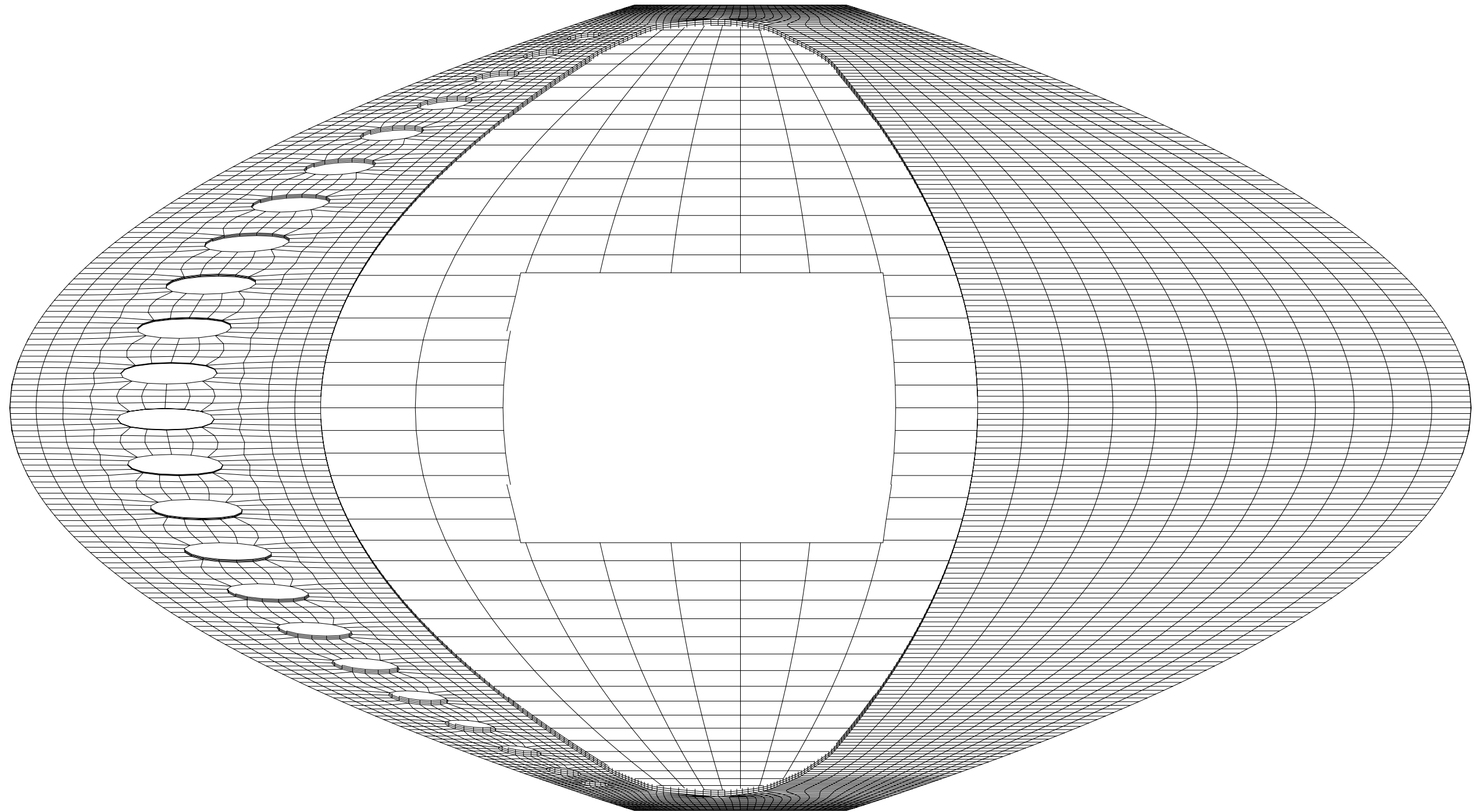
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

@info@ecsp.com.pk @ www.ecsp.com.pk

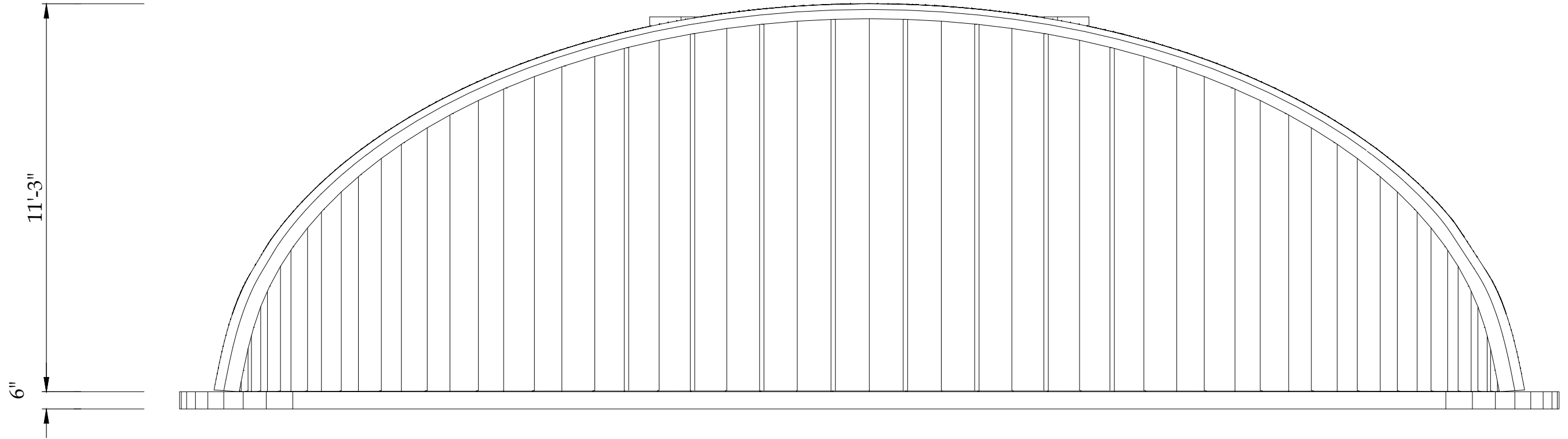


CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	MUDASSAR HUSSAIN		GROUND FLOOR PLAN		AR- 3001						
					DESIGNED BY:										
					MIR SHEHREYAR										
					CHECKED BY:										
						ZEESHAN ALI									
						APPROVED BY:				SCALE:		SHEET:			
												A3			
						DATE:		NOVEMBER, 2024							

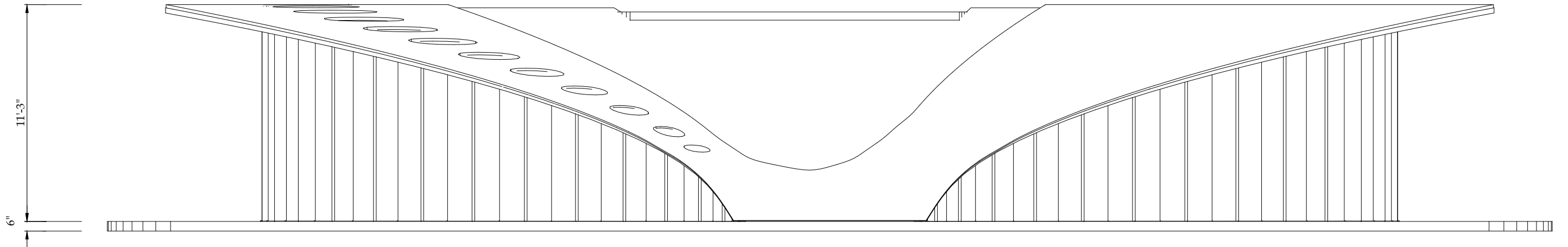


FLOATING RESTURANT ROOF PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	 ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DRAWN BY: MUDASSAR HUSSAIN	DESIGNED BY: MIR SHEHREYAR	CHECKED BY: ZEESHAN ALI	APPROVED BY:	NOVEMBER, 2024	ROOF PLAN	AR-3002	SCALE:	SHEET: A3				



ELEVATION-01



ELEVATION-02

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR	ELEVATION	AR-3003						
						CHECKED BY:	ZEESHAN ALI								
						APPROVED BY:									
						DATE:	NOVEMBER, 2024								
															SCALE:
										A3					

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:

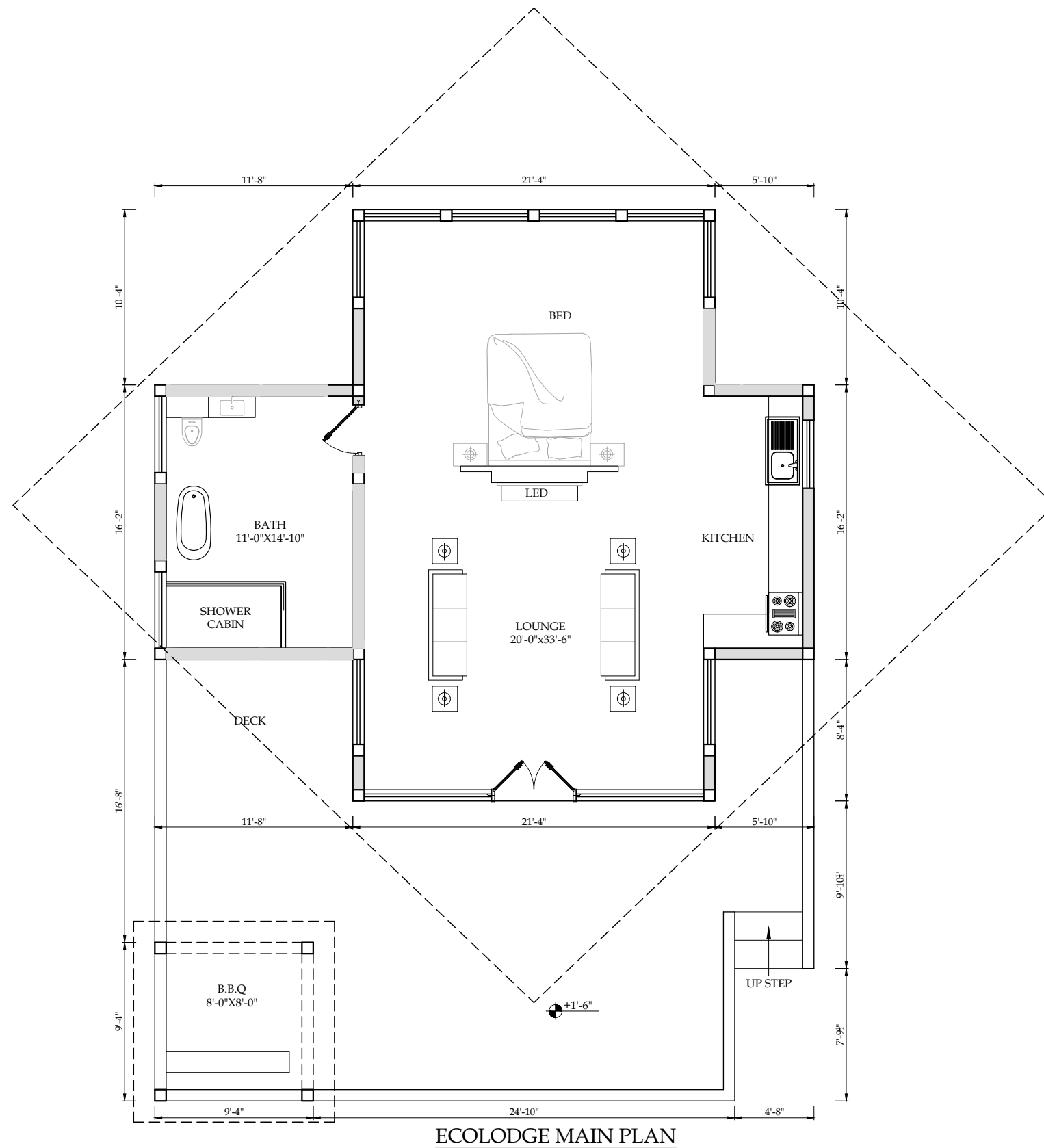


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

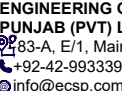
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

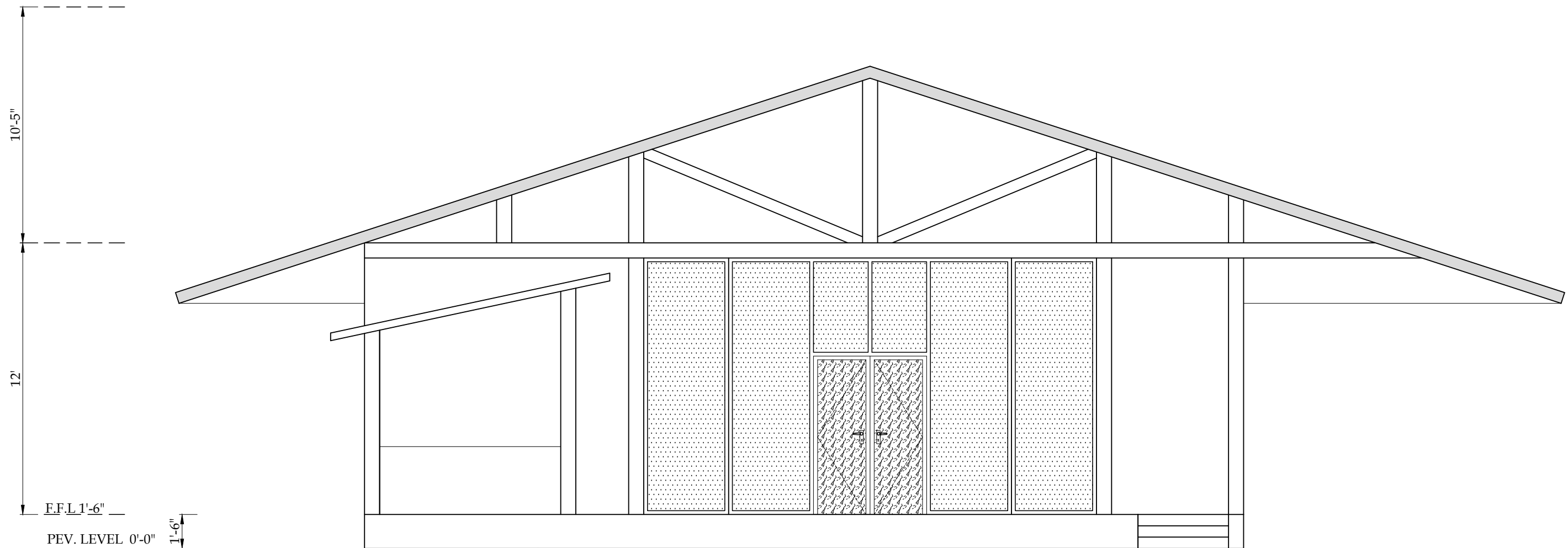
+92-42-99333976, +92-42-5717681-4

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ECOLODGE MAIN PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	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

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:

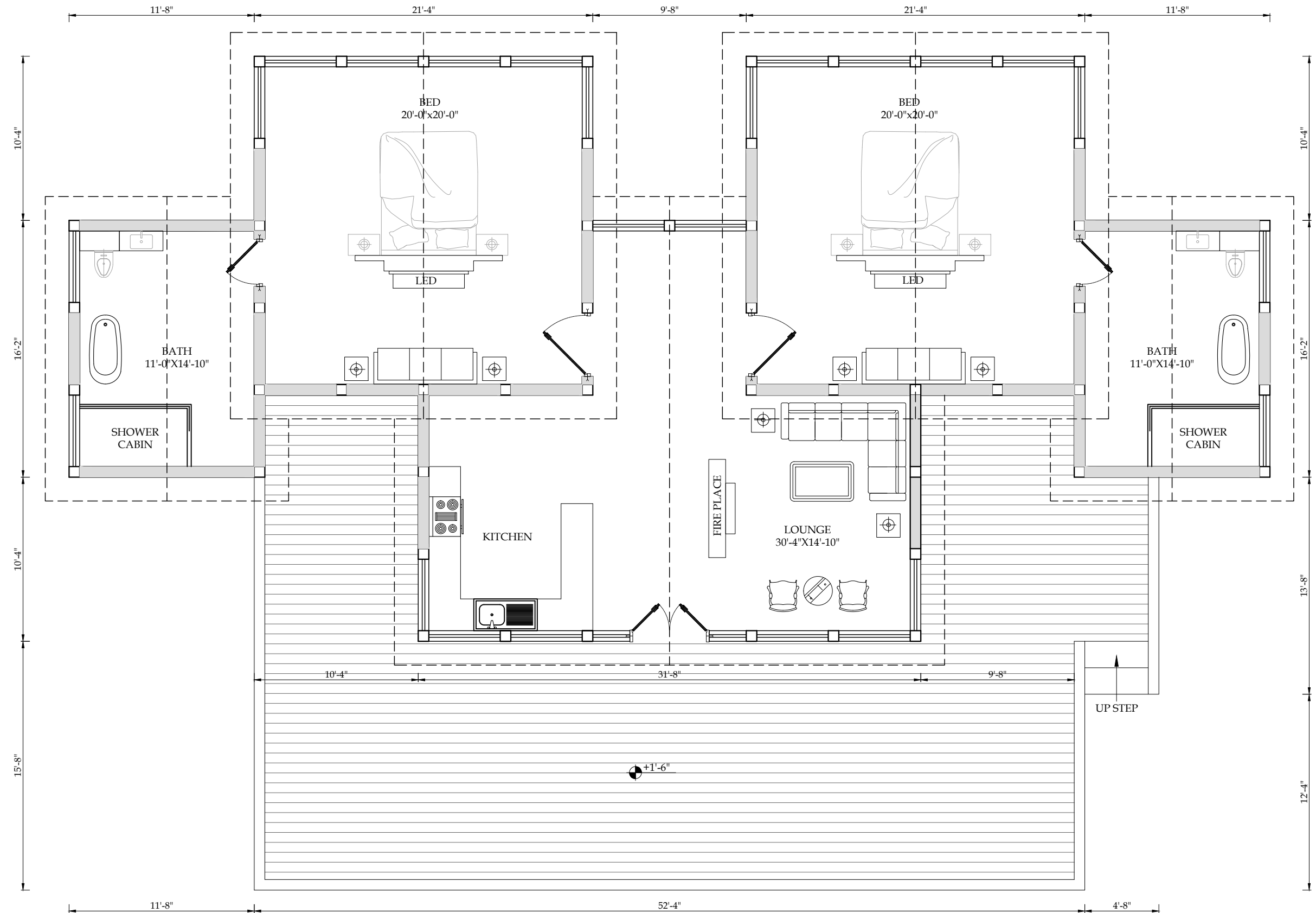


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

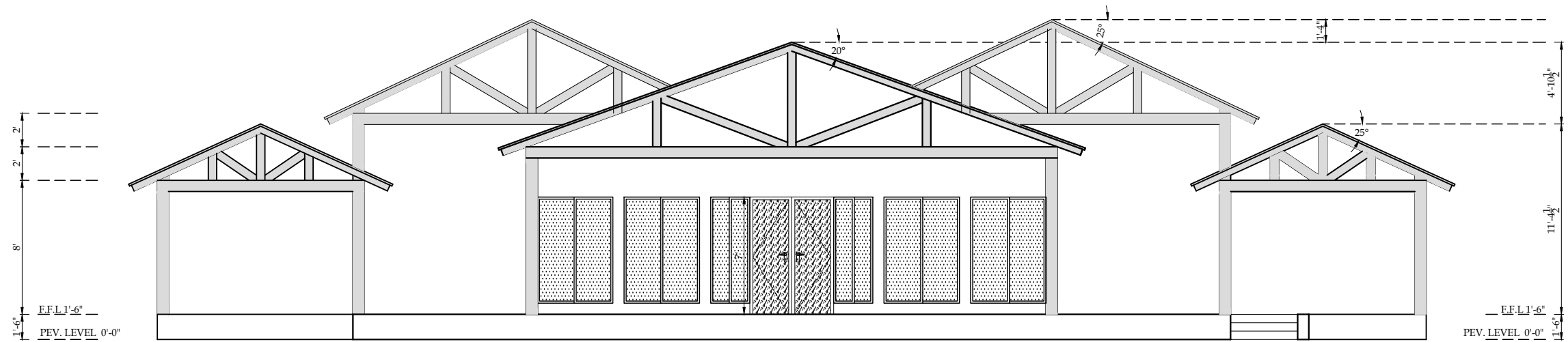
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



ECOLODGE MAIN PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	DRAWN BY: MUDASSAR HUSSAIN	DESIGNED BY: MIR SHEHREYAR	CHECKED BY: ZEESHAN ALI	APPROVED BY:	NOVEMBER, 2024	ECO-LODGE MAIN PLAN	AR- 3201	SCALE:	SHEET: A3				



ELEVATION - A

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:

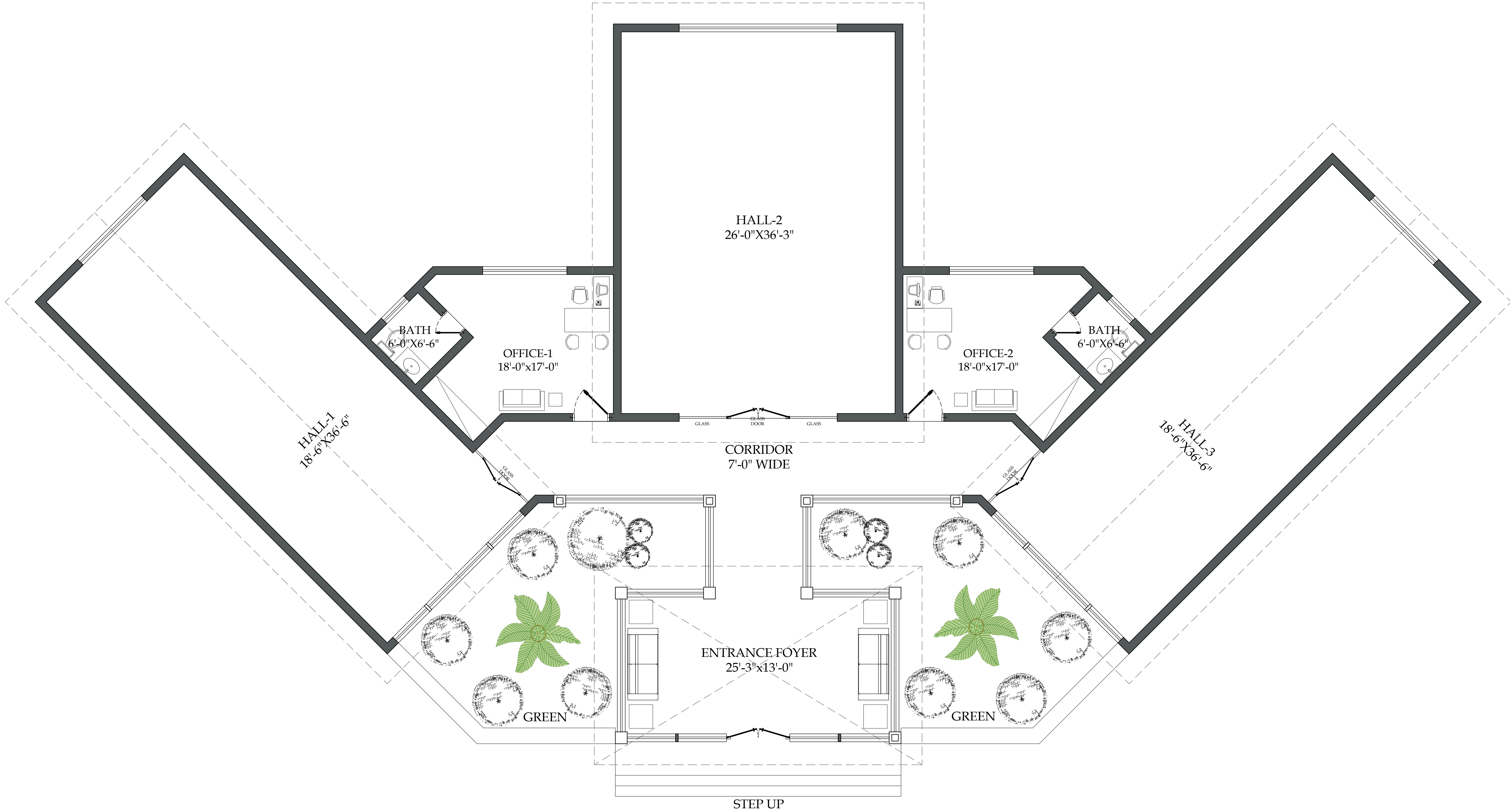


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

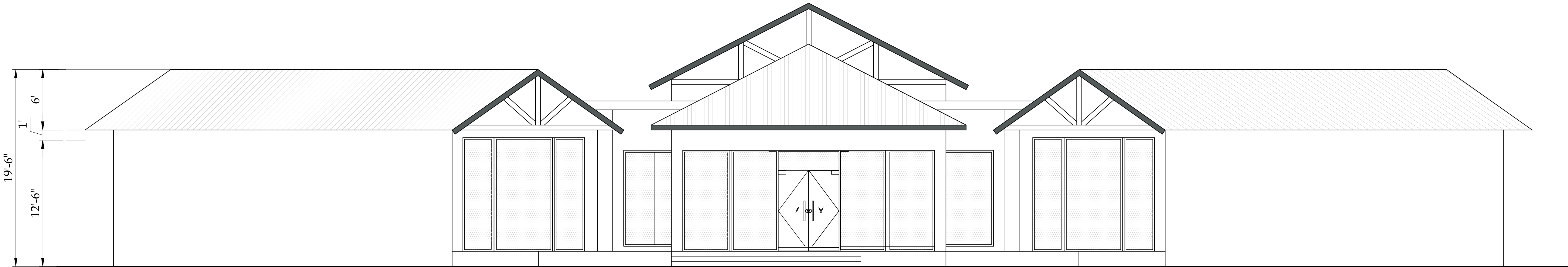
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



GROUND FLOOR PLAN

CLIENT:  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:		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY:	MIR SHEHREYAR		AR- 3301					
			CHECKED BY:	ZEESHAN ALI		SCALE:	SHEET:				
			APPROVED BY:								
								DATE:	NOVEMBER, 2024		



FRONT ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT  GOVERNMENT OF THE PUNJAB		 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:		MIR SHEHREYAR		FRONT ELEVATION		AR- 3302									
						CHECKED BY:		ZEESHAN ALI													
						APPROVED BY:															
						DATE:		NOVEMBER, 2024													
										SCALE:		SHEET:									
												A3									

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:

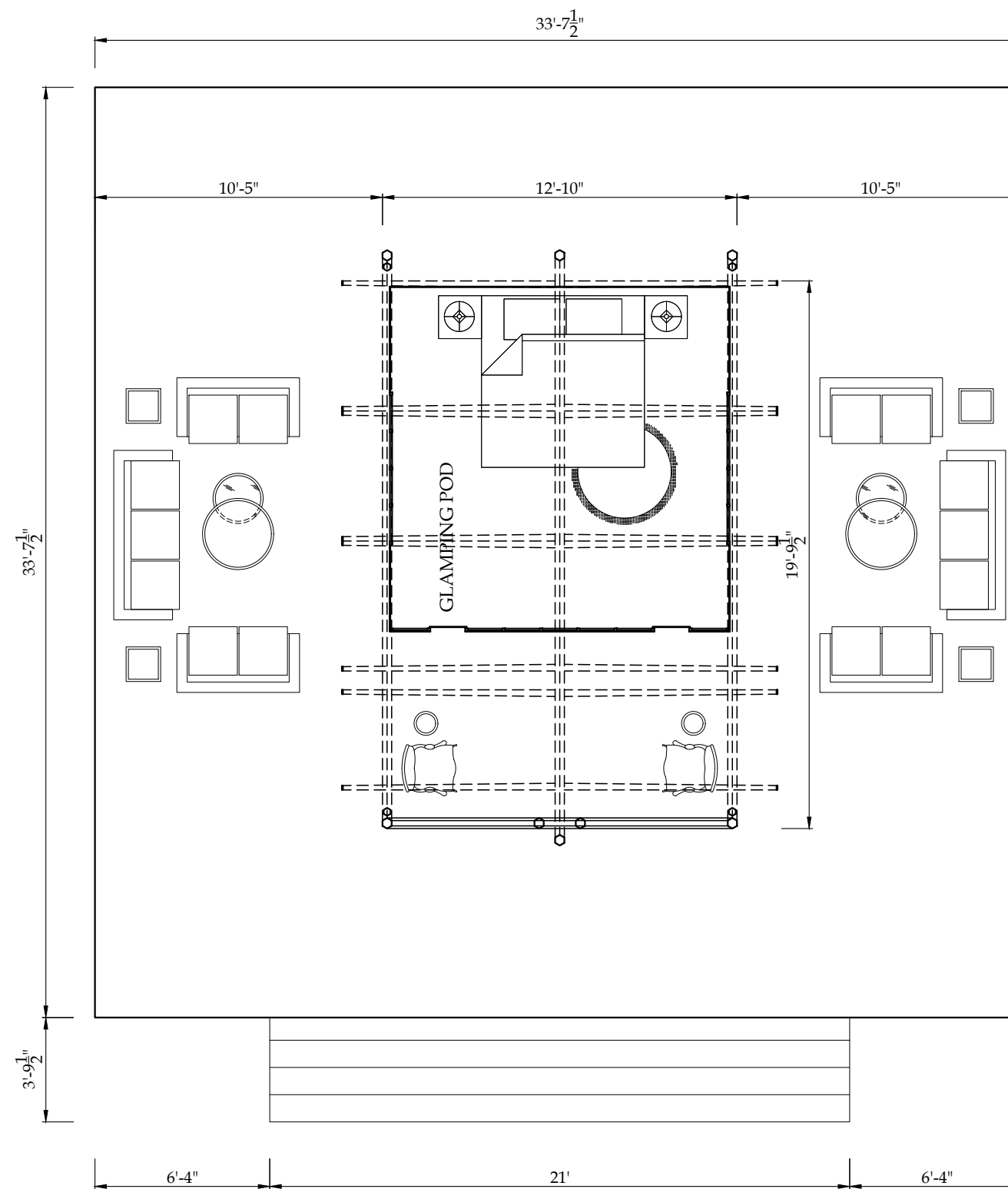


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

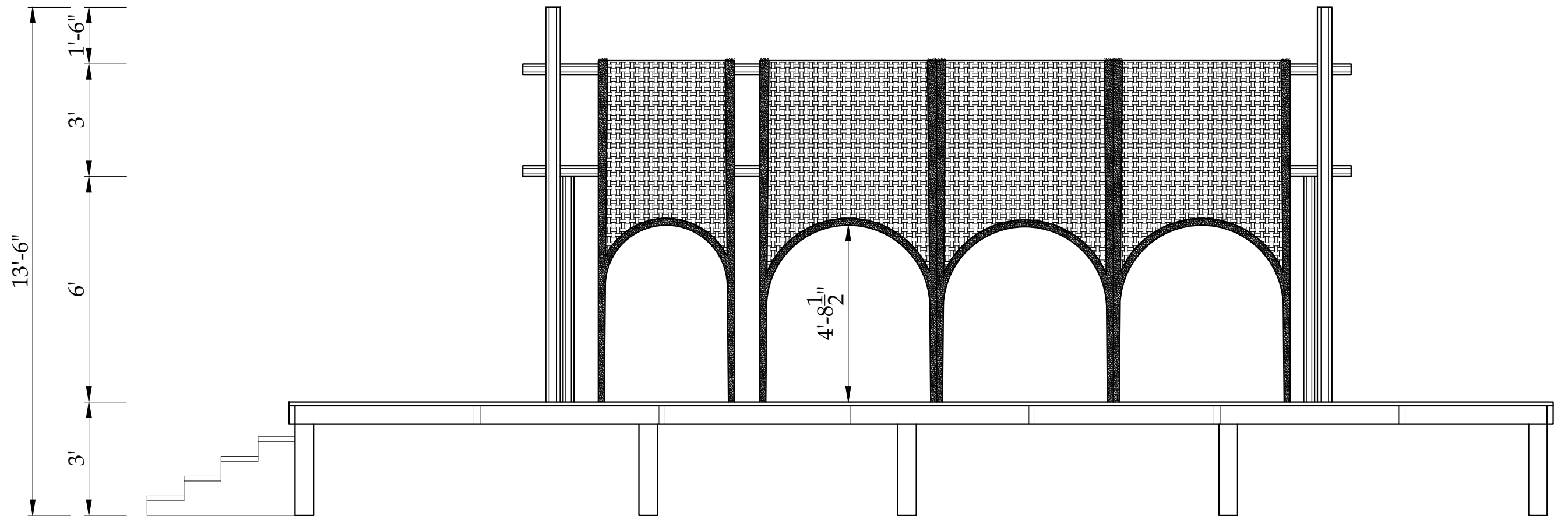
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



GROUND FLOOR PLAN

CLIENT:  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: GLAMPING POD MAIN PLAN	DRAWING NO: AR- 3401		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY: MIR SHEHREYAR			SCALE:	SHEET: A3				
			CHECKED BY: ZEESHAN ALI								
			APPROVED BY:								
			DATE: NOVEMBER, 2024								



SIDE ELEVATION

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:

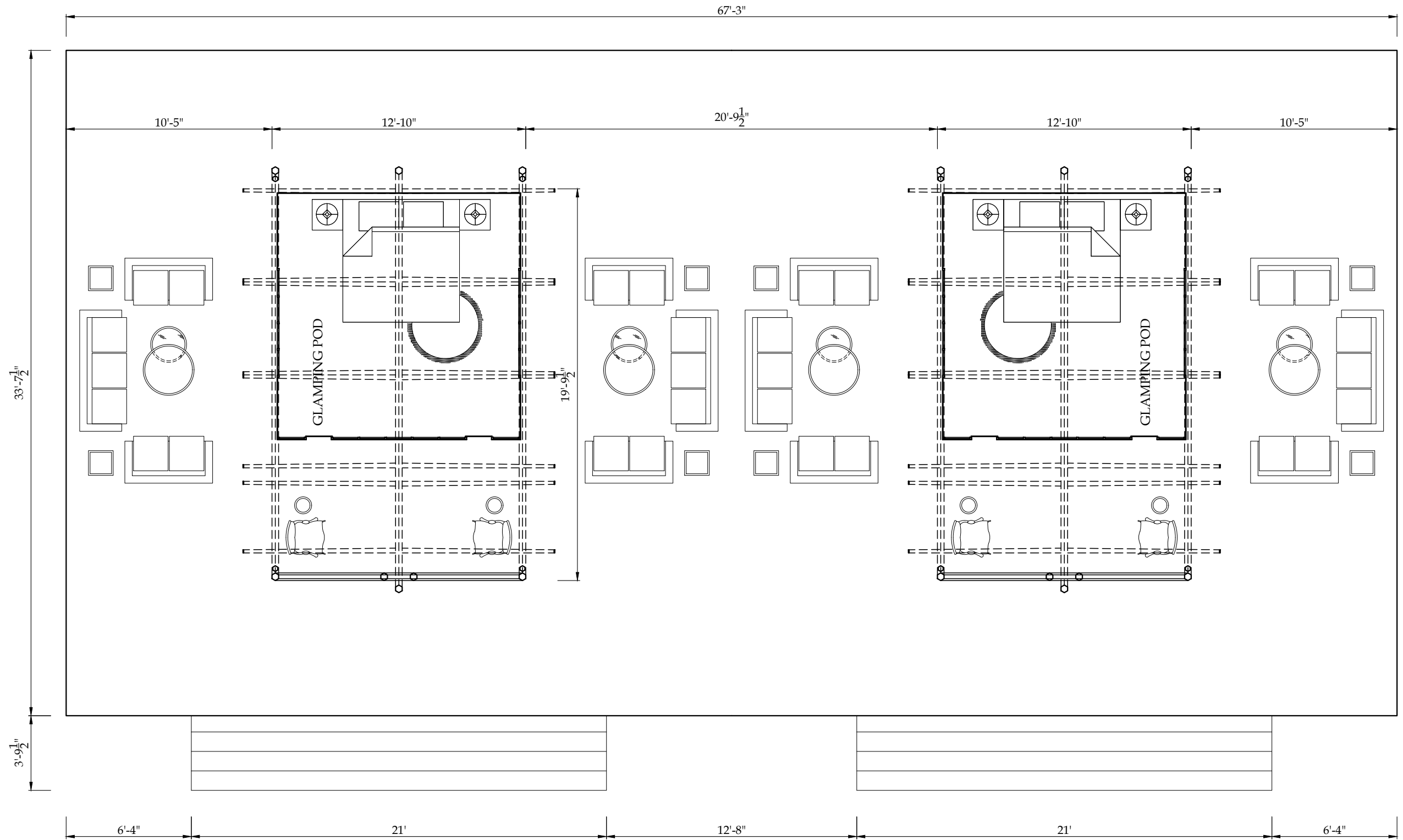


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

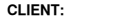
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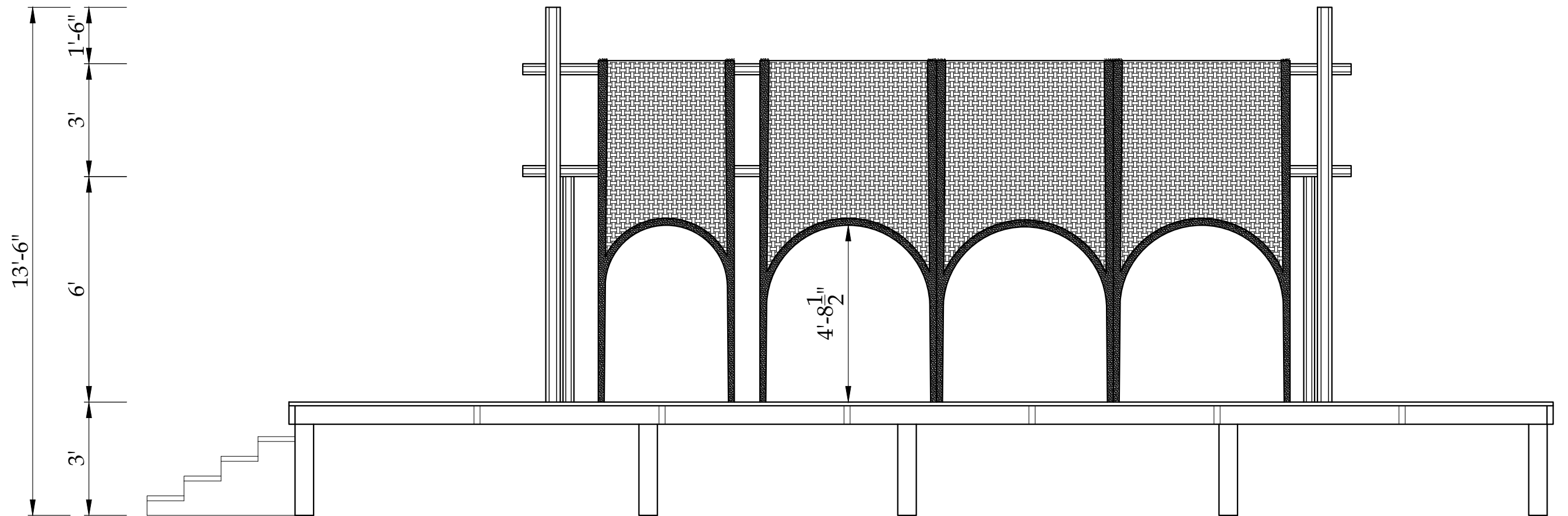
+92-42-99333976, +92-42-5717681-4

@info@ecsp.com.pk @ www.ecsp.com.pk

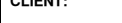
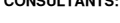


GROUND FLOOR PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT  GOVERNMENT OF THE PUNJAB		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-98333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:		MIR SHEHREYAR		GALAMPING POD DOUBLE BED MAIN PLAN		AR- 3501					
				CHECKED BY:		ZEESHAN ALI											
				APPROVED BY:													
				DATE:		NOVEMBER, 2024								SCALE:	SHEET:		
												A3					



SIDE ELEVATION

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB WILDLIFE & PARK DEPARTMENT			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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	MUDASSAR HUSSAIN			GALAMPING POD DOUBLE BED ELEVATION			AR- 3502		SCALE:	SHEET: A3					
						MIR SHEHREYAR														
						ZEESHAN ALI														
						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:

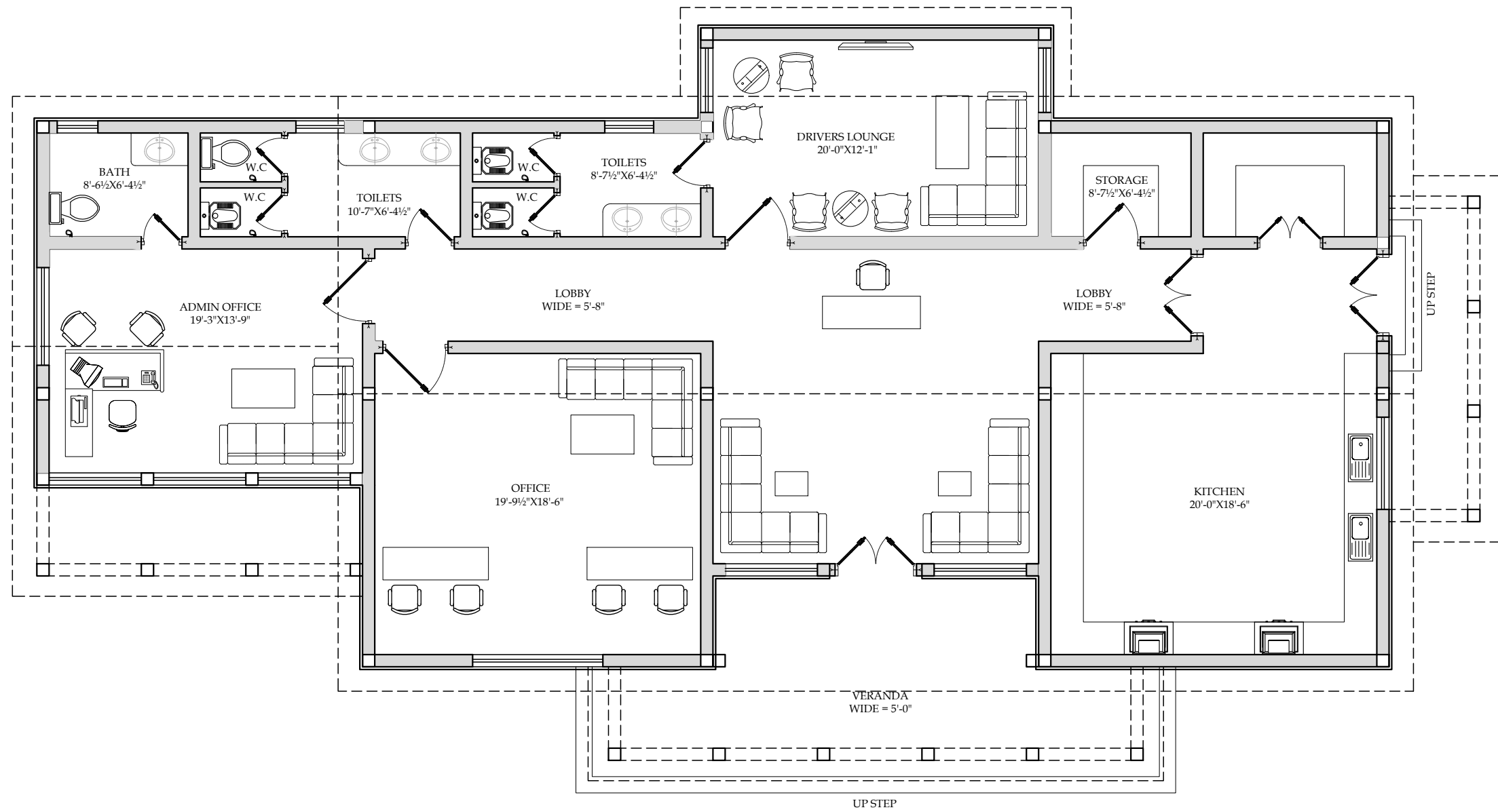


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

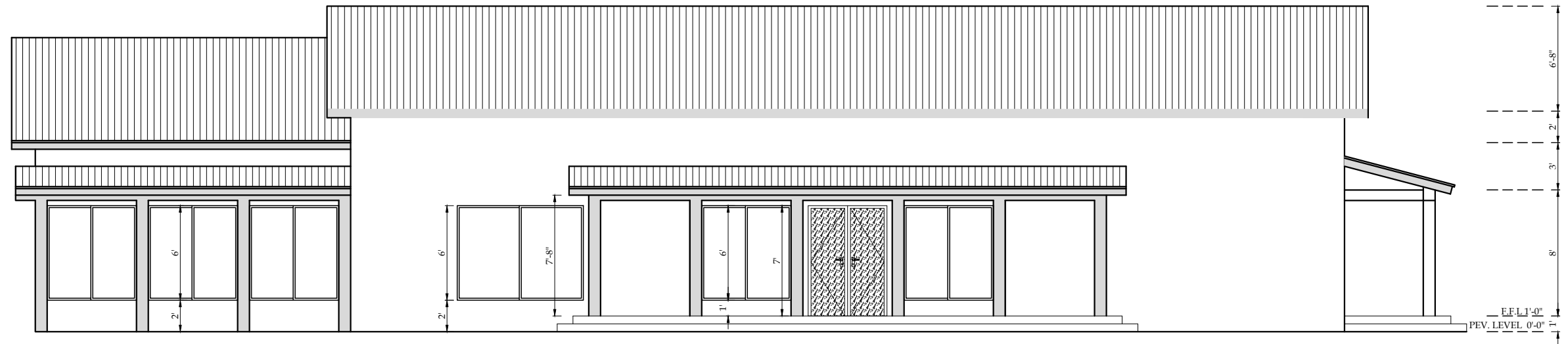
+92-42-99333976, +92-42-5717681-4

@ info@ecsp.com.pk @ www.ecsp.com.pk

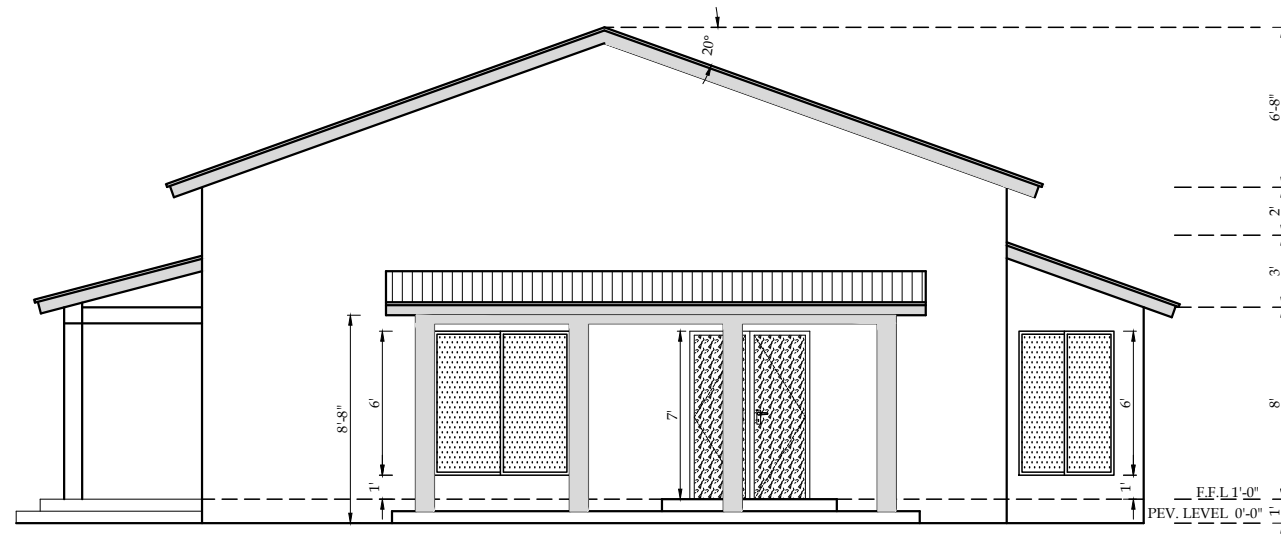


ADMIN BLOCK MAIN PLAN

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB			 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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			DESIGNED BY:			ADMIN BLOCK MAIN PLAN			AR- 3601						
									CHECKED BY:						SCALE:		SHEET: A3				
									APPROVED BY:												
									DATE:			NOVEMBER, 2024									



ELEVATION - A



ELEVATION - B

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB   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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			MUDASSAR HUSSAIN			ELEVATION - A & B			AR- 3602								
						DESIGNED BY: MIR SHEHREYAR														
						CHECKED BY: ZEESHAN ALI														
						APPROVED BY:														
						NOVEMBER, 2024						SCALE:		SHEET:						
												A3								

ARCHITECTURAL WORKING DRAWINGS FOR PC-1

PROJECT

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

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:



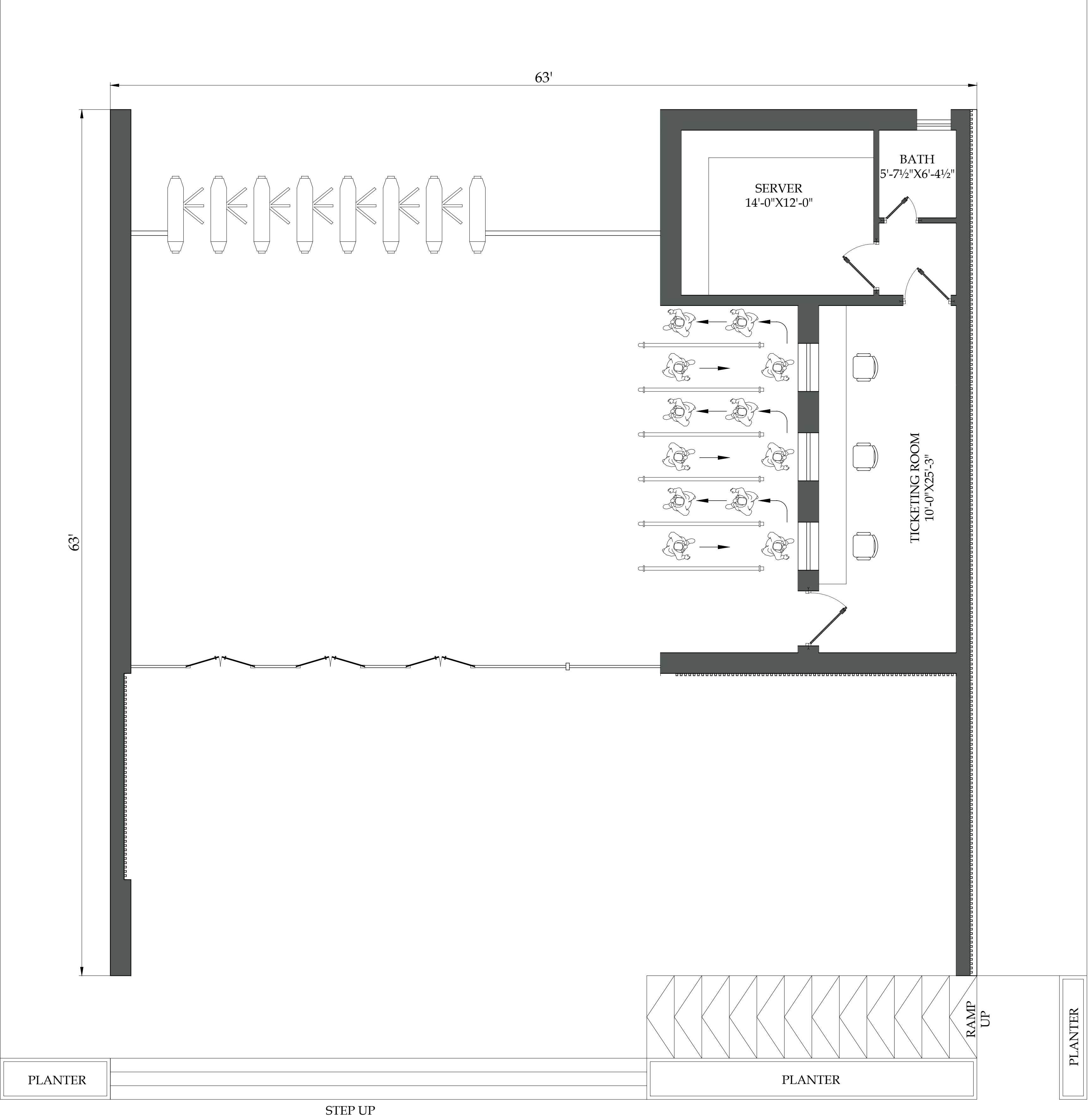
**ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).**

 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

 +92-42-99333976, +92-42-5717681-4

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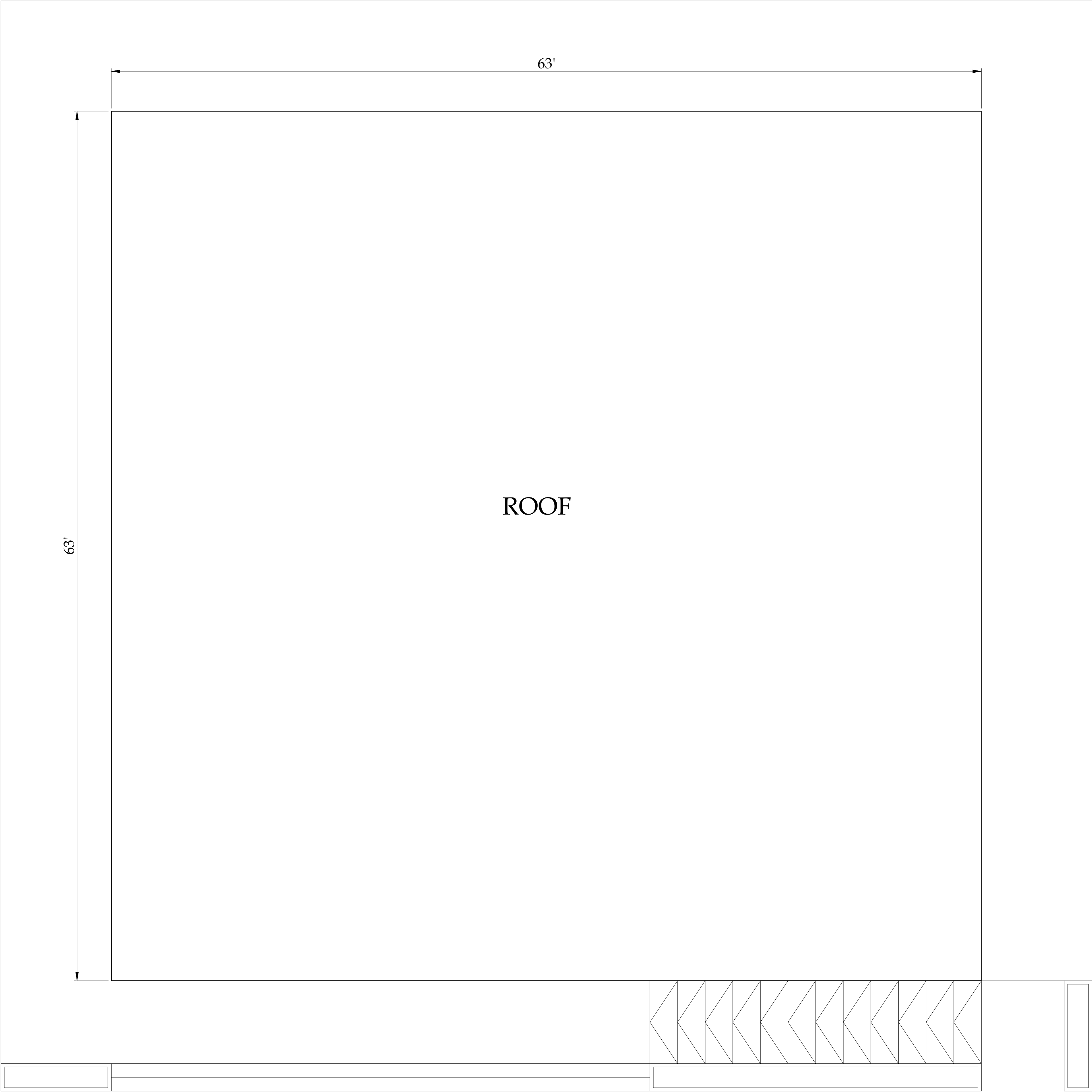
LIST OF DRAWINGS			
S.No	Drawings Name	Drawing no.	Remarks
01	LIST OF DRAWINGS	AR-101	
02	INFORMATION CENTER (LAYOUT PLAN)	AR-102	
03	INFORMATION CENTER (ROOF PLAN)	AR-103	
04	INFORMATION CENTER (ELEVATION)	AR-104	
05	ECO-LODGE (GROUND FLOOR PLAN)	AR-201	
06	ECO-LODGE (FIRST FLOOR PLAN)	AR-202	
07	ECO-LODGE (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	
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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	



INFORMATION CENTER

SCALE:- 1/8" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR				AR-102					MARCH,2025
						CHECKED BY:	Ar.ZEESHAN ALI				SCALE:	SHEET:				
						APPROVED BY:	Ar.ZEESHAN ALI									
						DATE:	MARCH - 2025									



INFORMATION CENTER ROOF PLAN

SCALE:- 1/8" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		ROOF PLAN		AR-103							MARCH,2025
				CHECKED BY:	Ar.ZEESHAN ALI											
				APPROVED BY:	Ar.ZEESHAN ALI						SCALE:	SHEET:				
				DATE:	MARCH - 2025							A3				



CLIENT:



CONSULTANTS:



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:

ELEVATION

DRAWING NO:

AR-104

SCALE:

SHEET:

A3

REV.

DESCRIPTION

SIGN.

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:

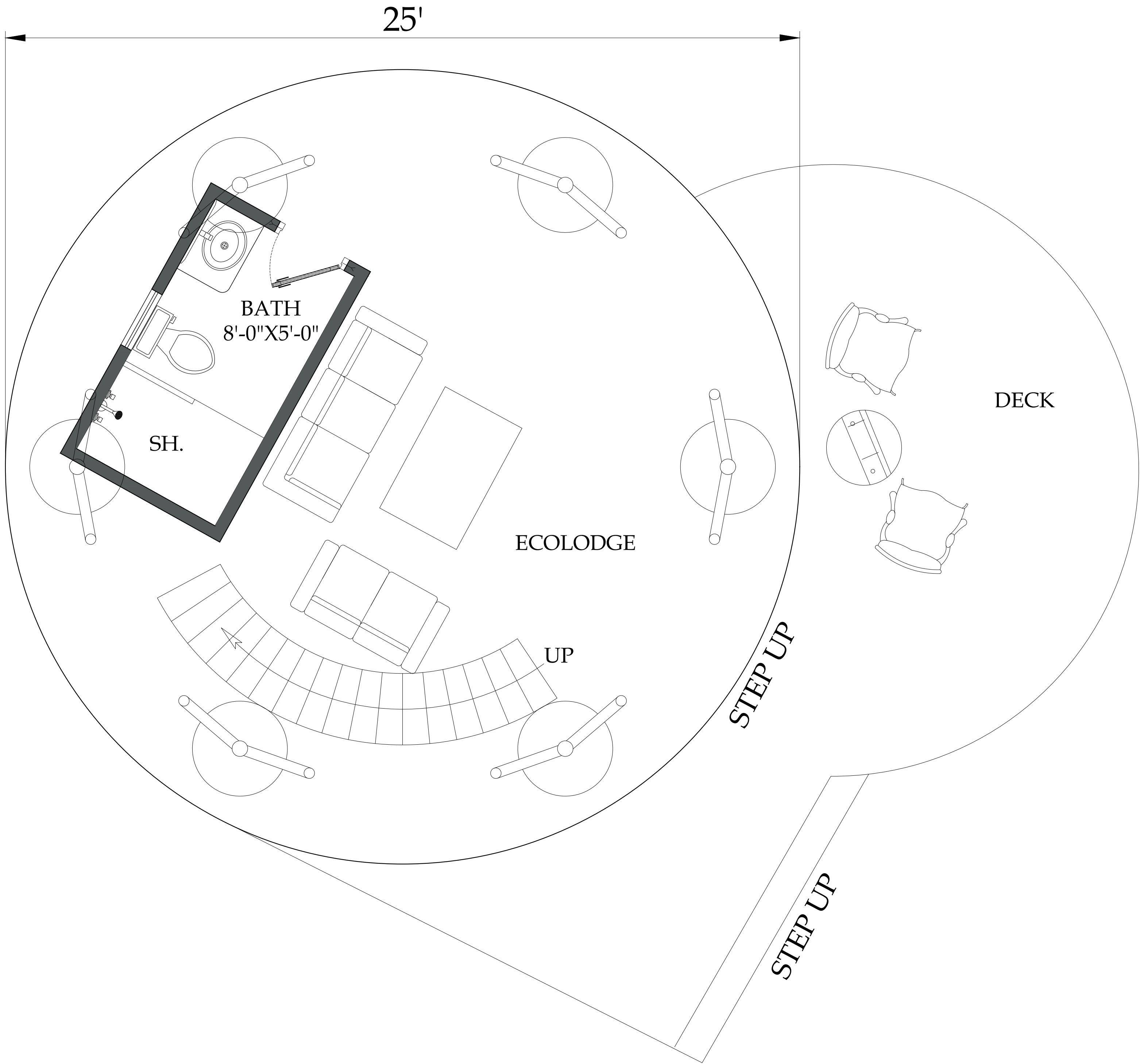


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ECOLOGDE GROUND FLOOR PLAN

SCALE:- 1/6" = 1'-0"

CLIENT:



CONSULTANTS:



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:

GROUND FLOOR PLAN

DRAWING NO:

AR-201

SCALE:

SHEET:

A3

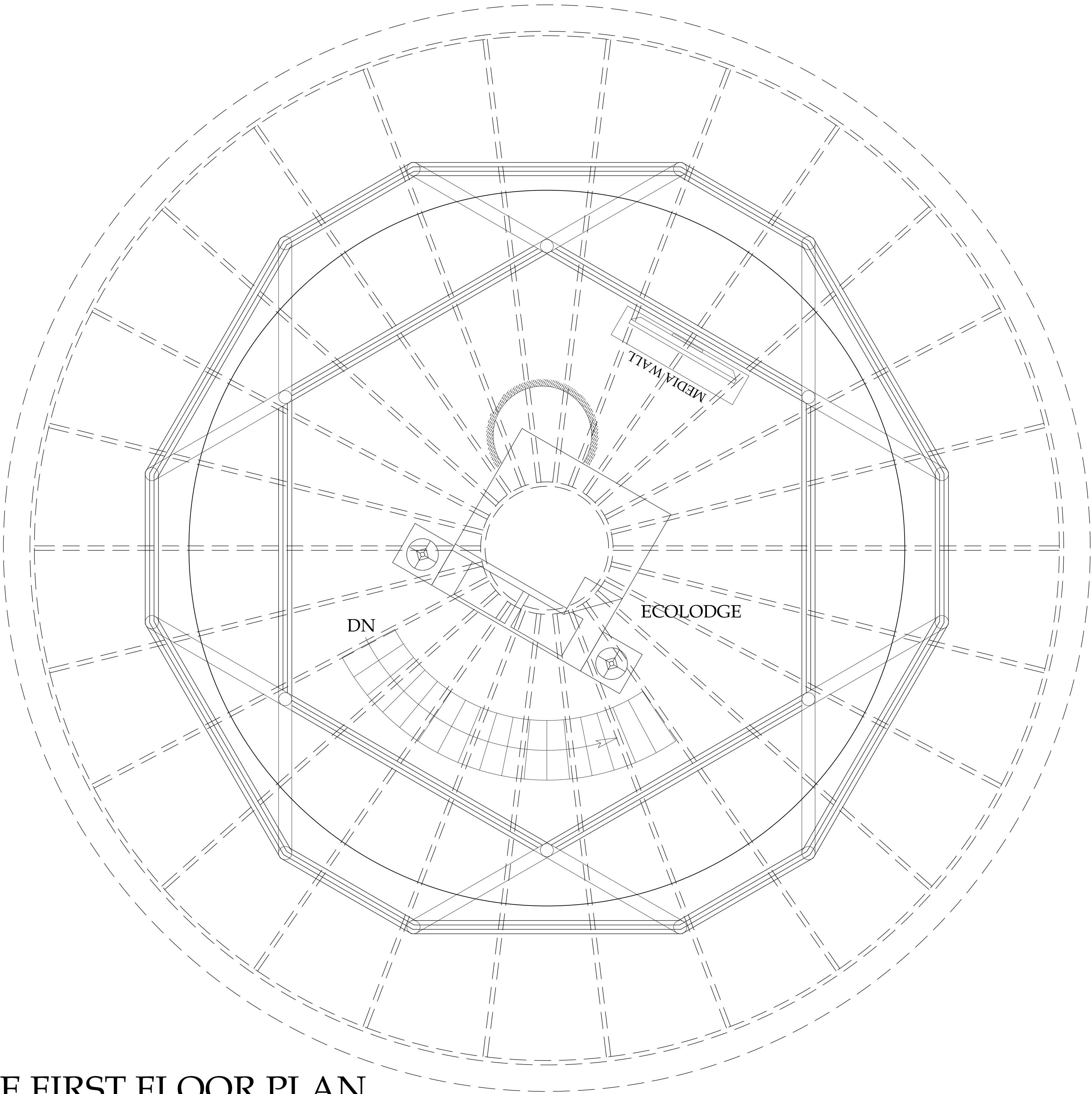
REV.

DESCRIPTION

SIGN.

DATE

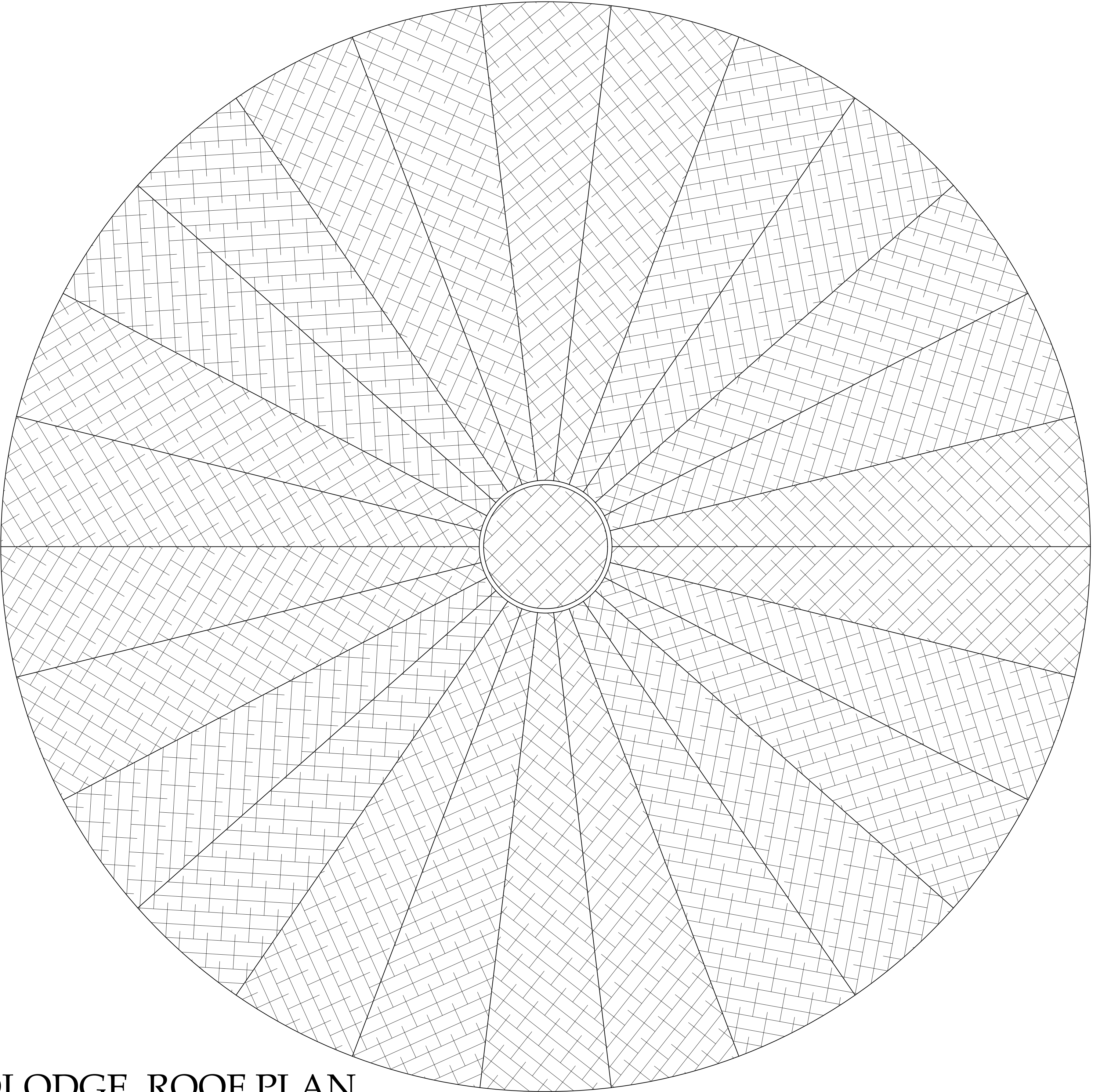
MARCH,2025



ECOLODGE FIRST FLOOR PLAN

SCALE:- 1/6" = 1'-0"

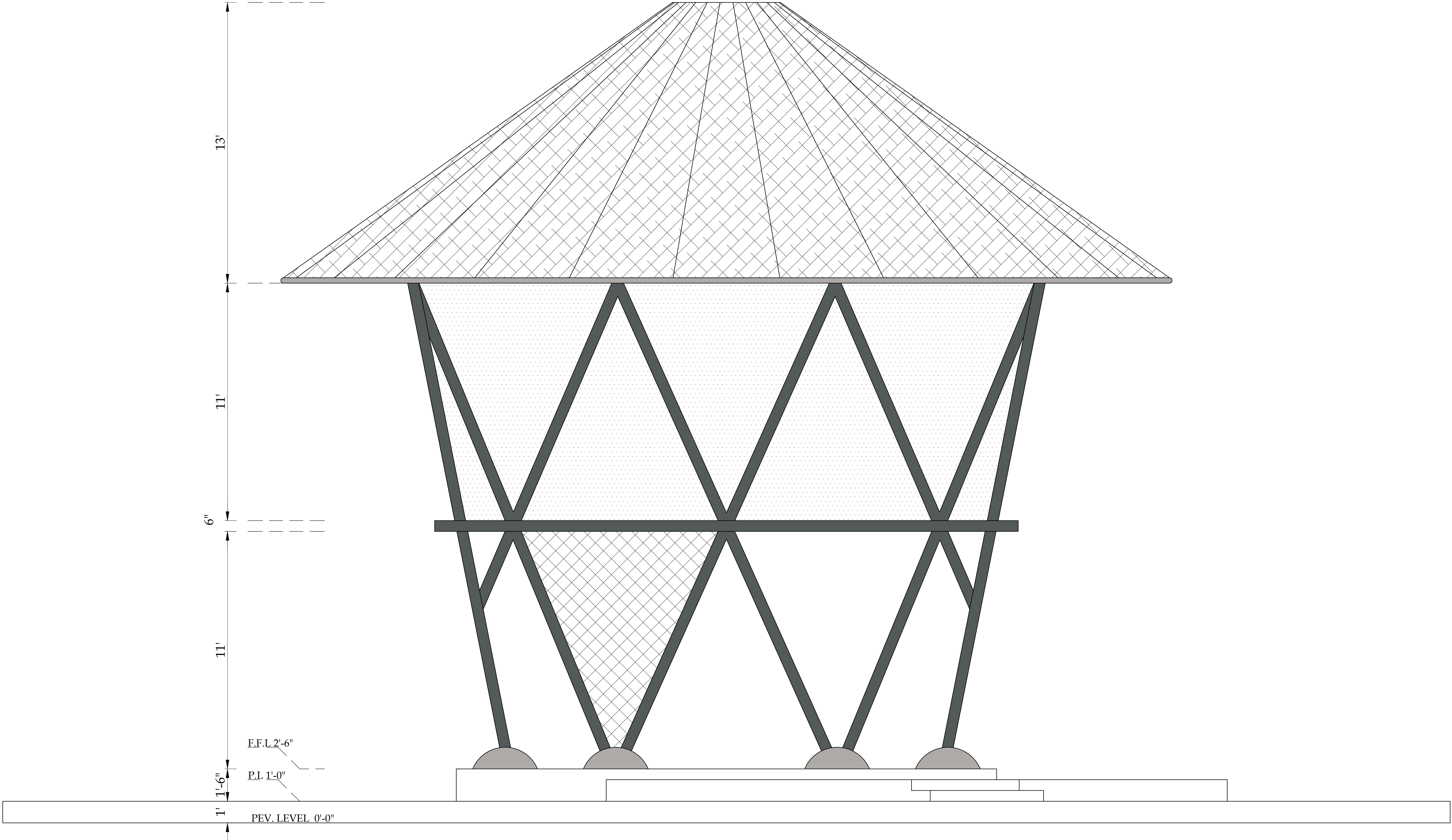
CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:			REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			MUDASSAR HUSSAIN			FIRST FLOOR PLAN			AR-202						MARCH,2025
									DESIGNED BY: MIR SHEHREYAR												
									CHECKED BY: Ar.ZEESHAN ALI												
									APPROVED BY: Ar.ZEESHAN ALI												
						DATE: MARCH - 2025						SCALE:	SHEET:								
												A3									



ECOLOGDE ROOF PLAN

SCALE:- 1/6" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION		SIGN.	DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		MUDASSAR HUSSAIN		ROOF PLAN		AR-203							MARCH,2025
						DESIGNED BY: MIR SHEHREYAR				SCALE:	SHEET: A3						
						CHECKED BY: Ar.ZEESHAN ALI											
						APPROVED BY: Ar.ZEESHAN ALI											
						DATE: MARCH - 2025											



ELEVATION

SCALE:- 1/6" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		ELEVATION		AR-204					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)

REST ROOM (6+6)

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

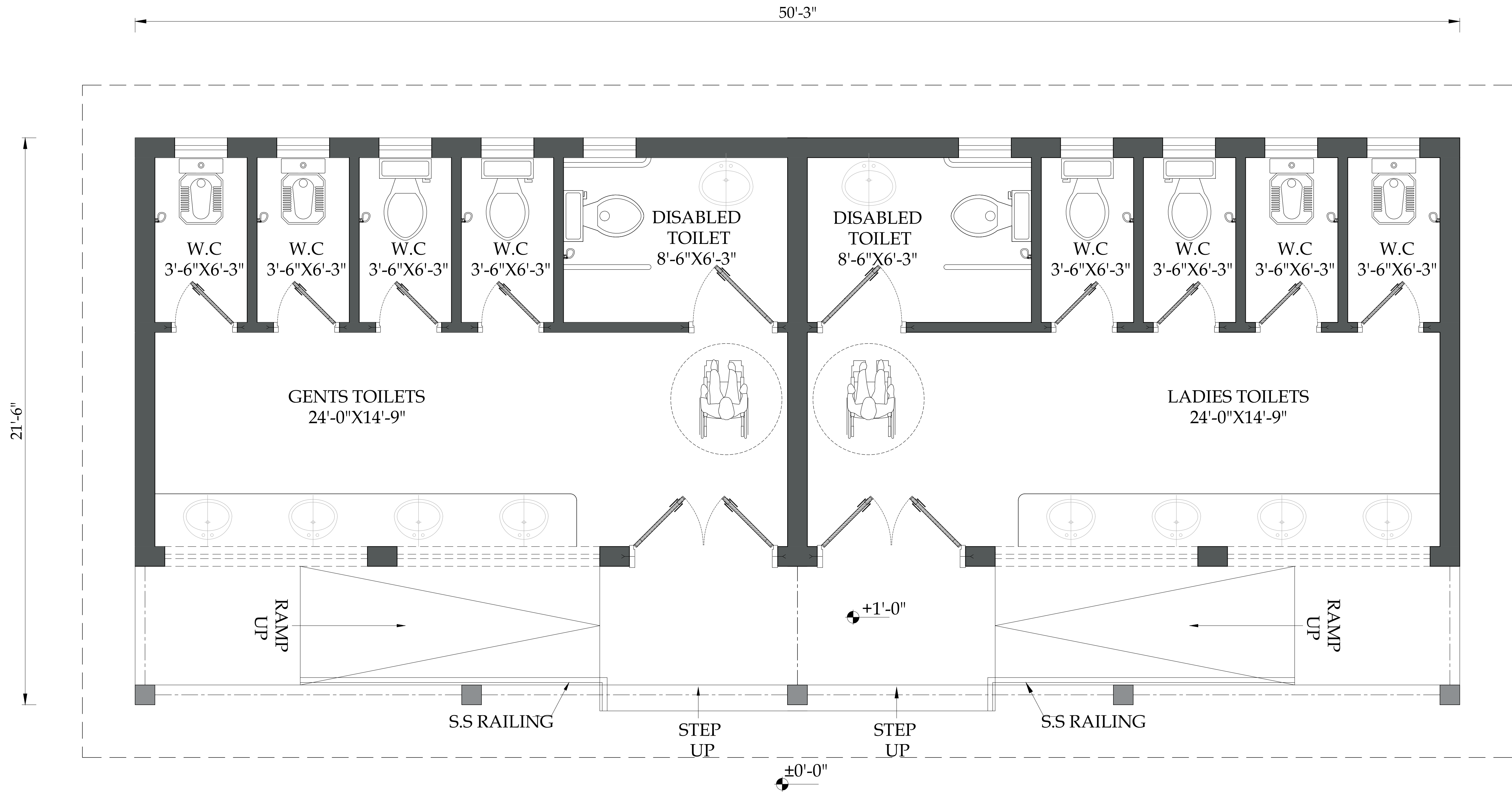


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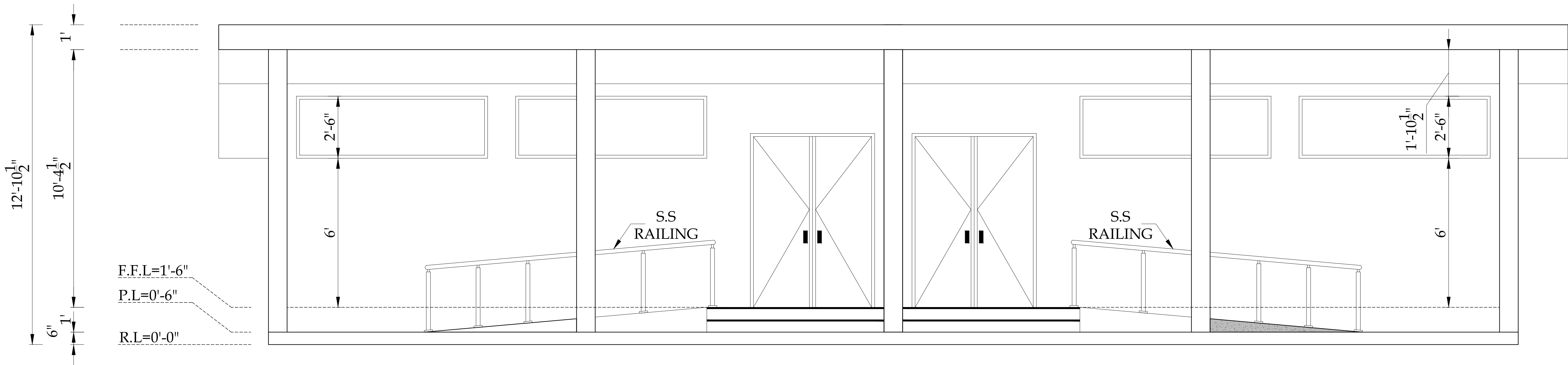
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TOILETS LAYOUT PLAN
SCALE:- 1/4" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION		SIGN.	DATE					
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		MUDASSAR HUSSAIN		REST ROOM (6+6) GROUND FLOOR PLAN		AR-301						MARCH,2025					
										SCALE:	SHEET: A3										
						DESIGNED BY:															
						CHECKED BY:		Ar.ZEESHAN ALI													
						APPROVED BY:		Ar.ZEESHAN ALI													
						DATE:		MARCH - 2025													



FRONT ELEVATION

SCALE:- 3/16" = 1'-0"

CLIENT:



CONSULTANTS:



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:

ELEVATION

DRAWING NO:

AR-302

SCALE:

SHEET:

A3

REV.

DESCRIPTION

SIGN.

DATE

MARCH,2025

ARCHITECTURAL WORKING DRAWINGS

PROJECT

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

BOAT

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

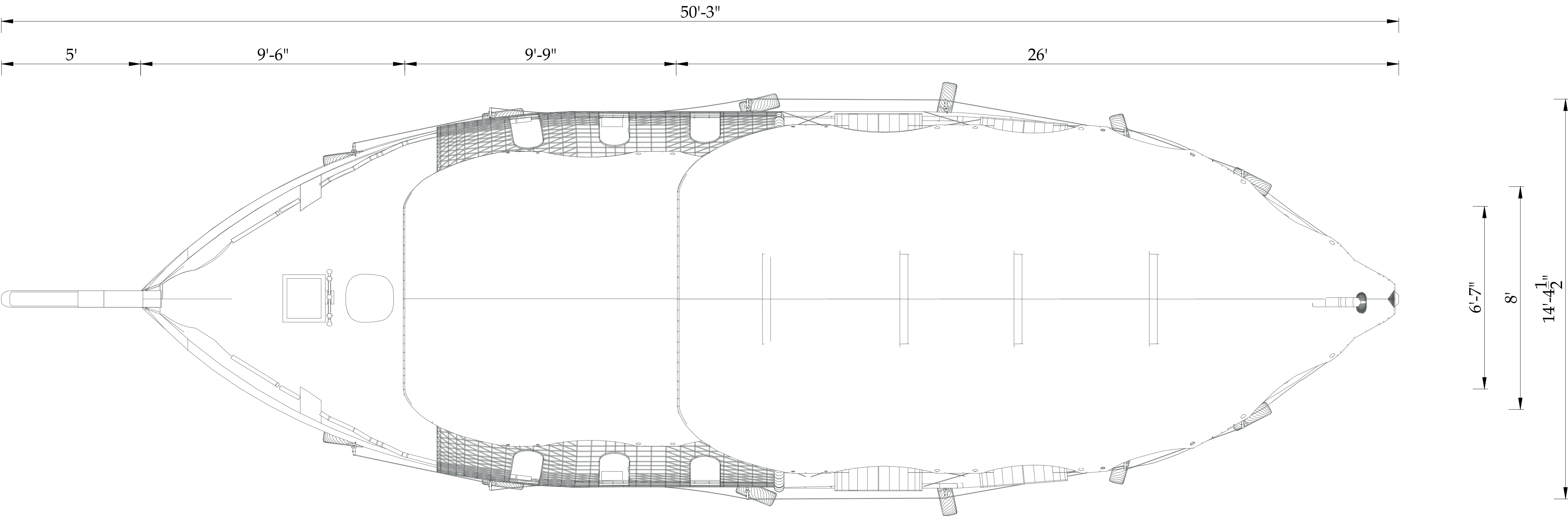


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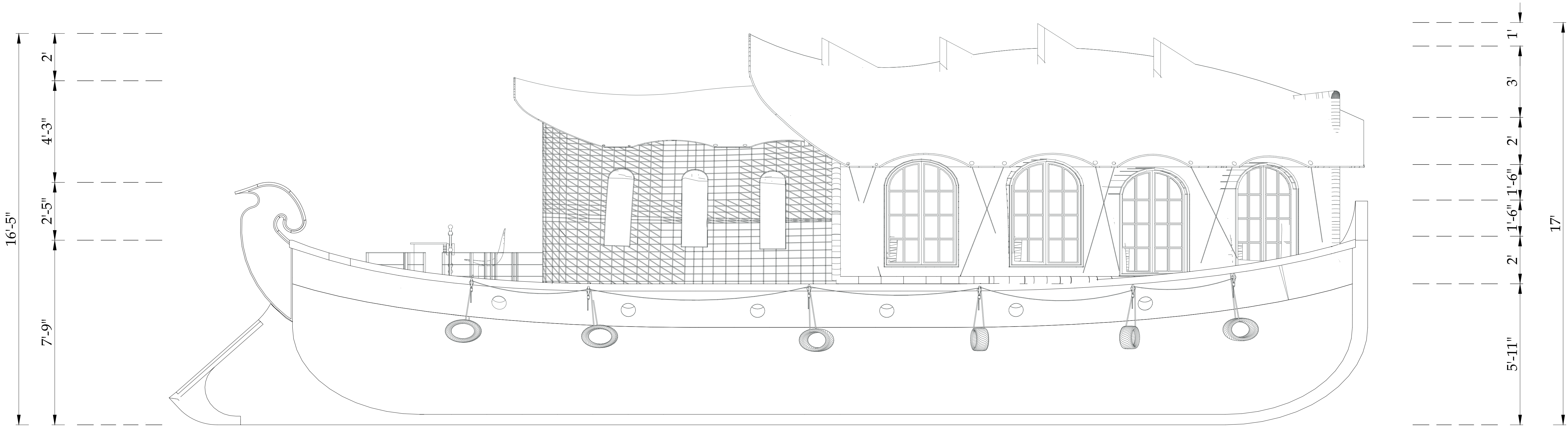
 info@ecsp.com.pk  www.ecsp.com.pk



BOAT MAIN PLAN

SCALE:- 1/6" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		BOAT PLAN		AR-401					MARCH,2025
						CHECKED BY:	Ar.ZEESHAN ALI				SCALE:	SHEET: A3				
						APPROVED BY:	Ar.ZEESHAN ALI									
						DATE:	MARCH - 2025									



BOAT ELEVATION

SCALE:- 1/6" = 1'-0"

CLIENT:



CONSULTANTS:



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 ELEVATION

DRAWING NO:

AR-402

SCALE:

SHEET:

A3

REV.

DESCRIPTION

SIGN.

DATE

MARCH,2025

ARCHITECTURAL WORKING DRAWINGS

PROJECT

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

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

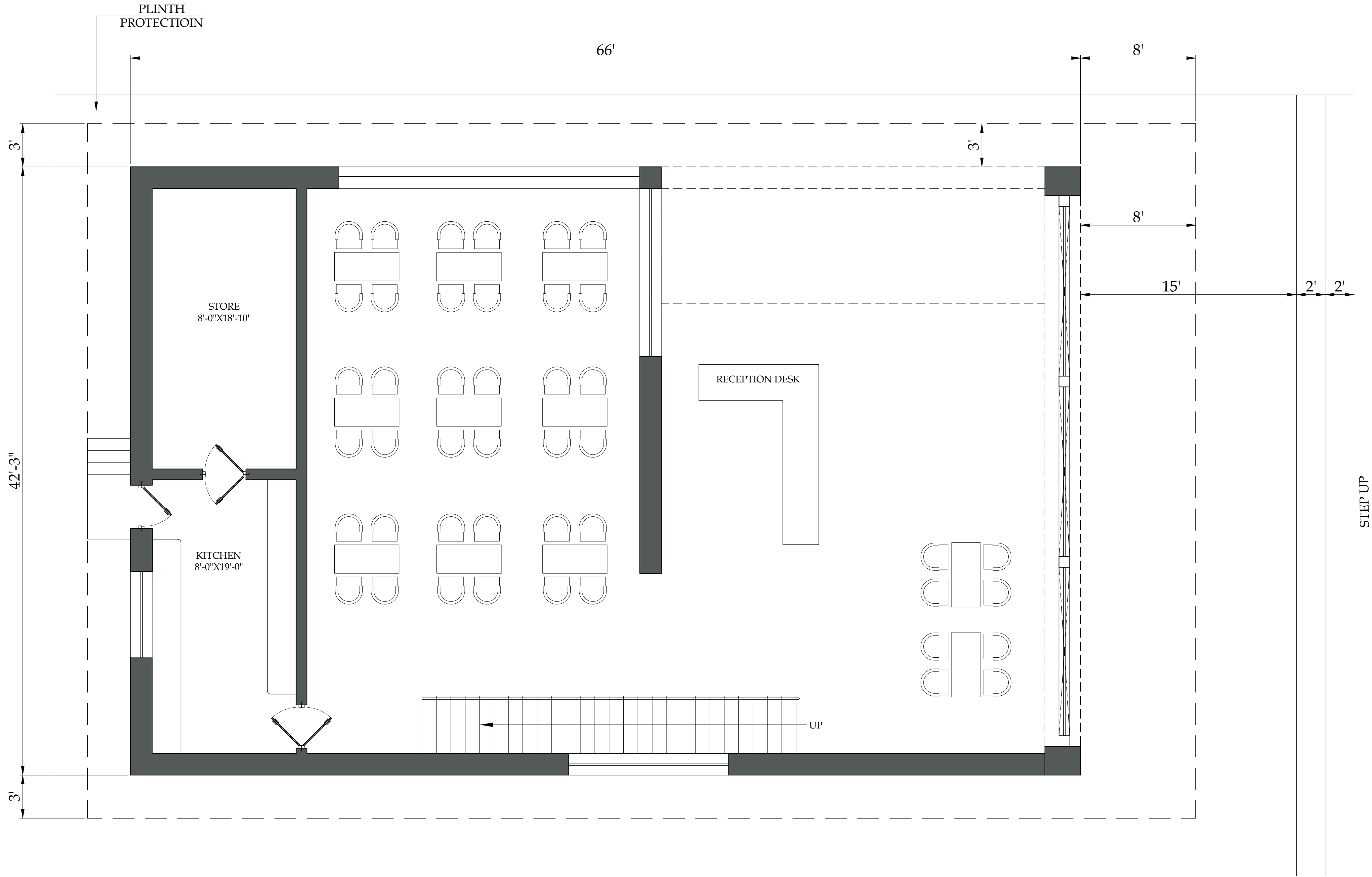


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RESTURANT GROUND FLOOR PLAN

SCALE:- 1/6" = 1'-0"

CLIENT:



CONSULTANTS:



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:

GROUND FLOOR PLAN

DRAWING NO:

AR-501

SCALE:

SHEET:

A3

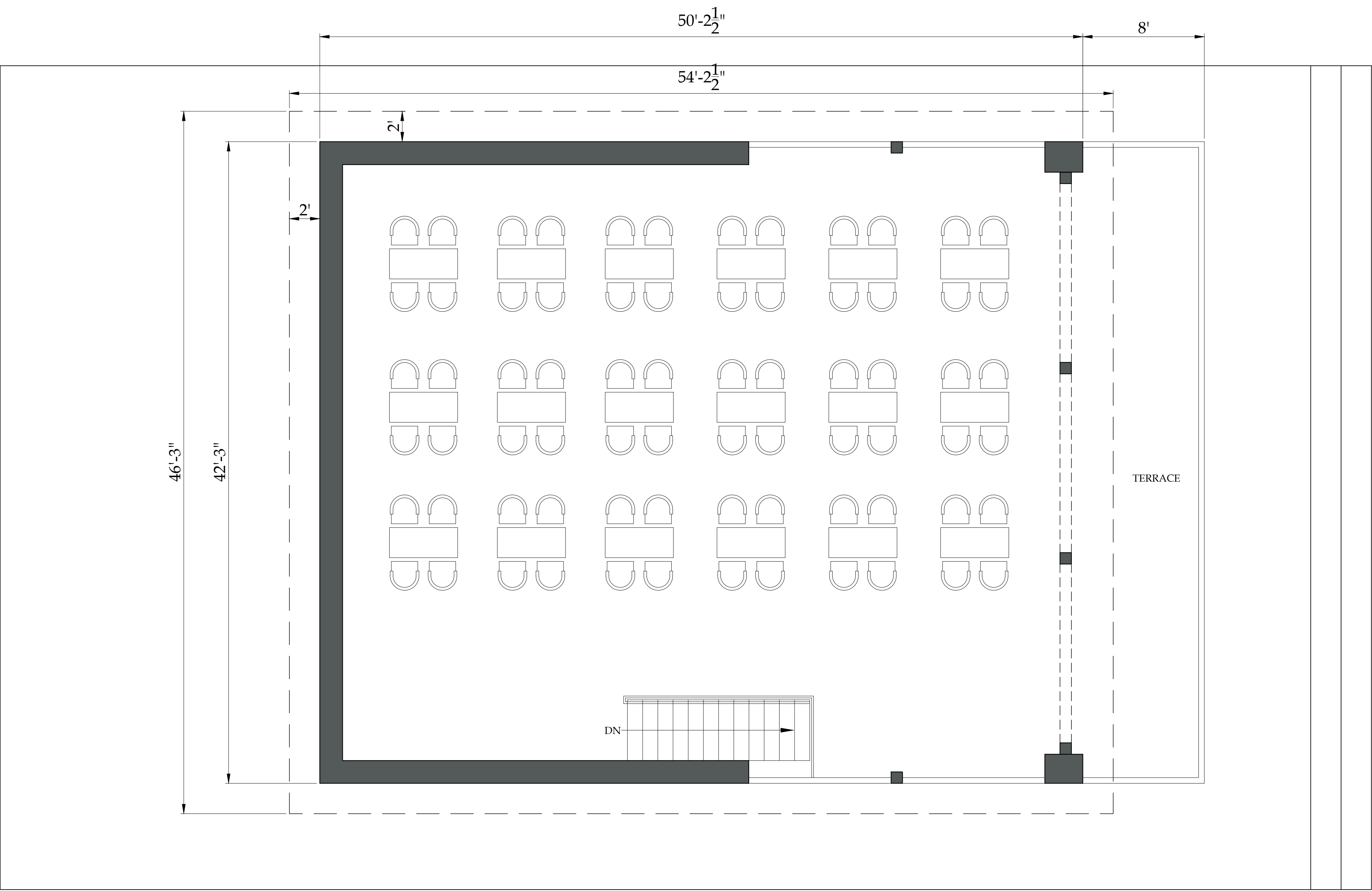
REV.

DESCRIPTION

SIGN.

DATE

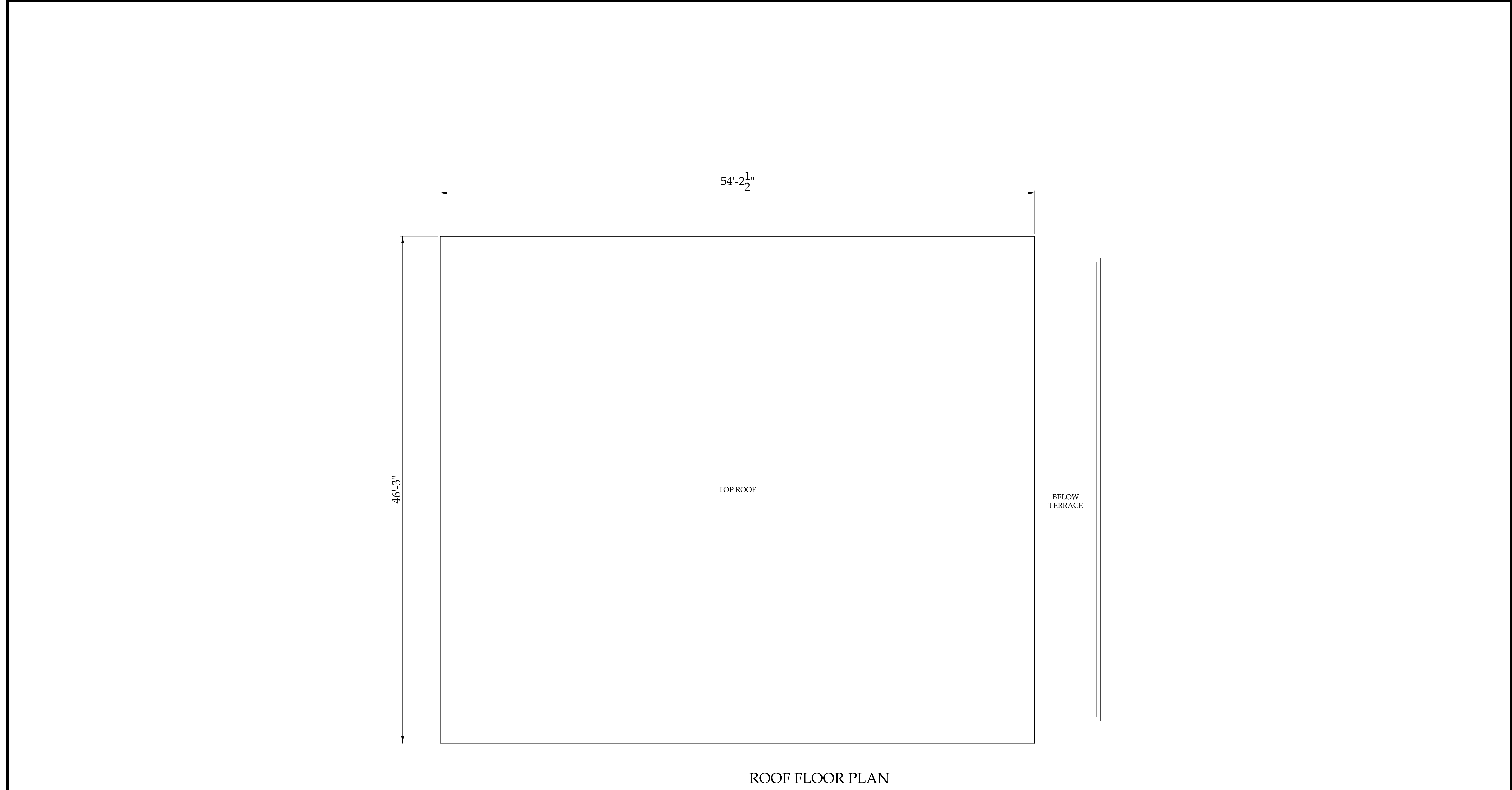
MARCH,2025



RESTURANT FIRST FLOOR PLAN

SCALE:- 1/6" = 1'-0"

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:			REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT  GOVERNMENT OF THE PUNJAB			 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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			MUDASSAR HUSSAIN			FIRST FLOOR PLAN			AR-502					MARCH,2025	
									DESIGNED BY: MIR SHEHREYAR												
									CHECKED BY: Ar.ZEESHAN ALI												
									APPROVED BY: Ar.ZEESHAN ALI												
						DATE: MARCH - 2025						SCALE:	SHEET:								
													A3								



CLIENT:



CONSULTANTS:



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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

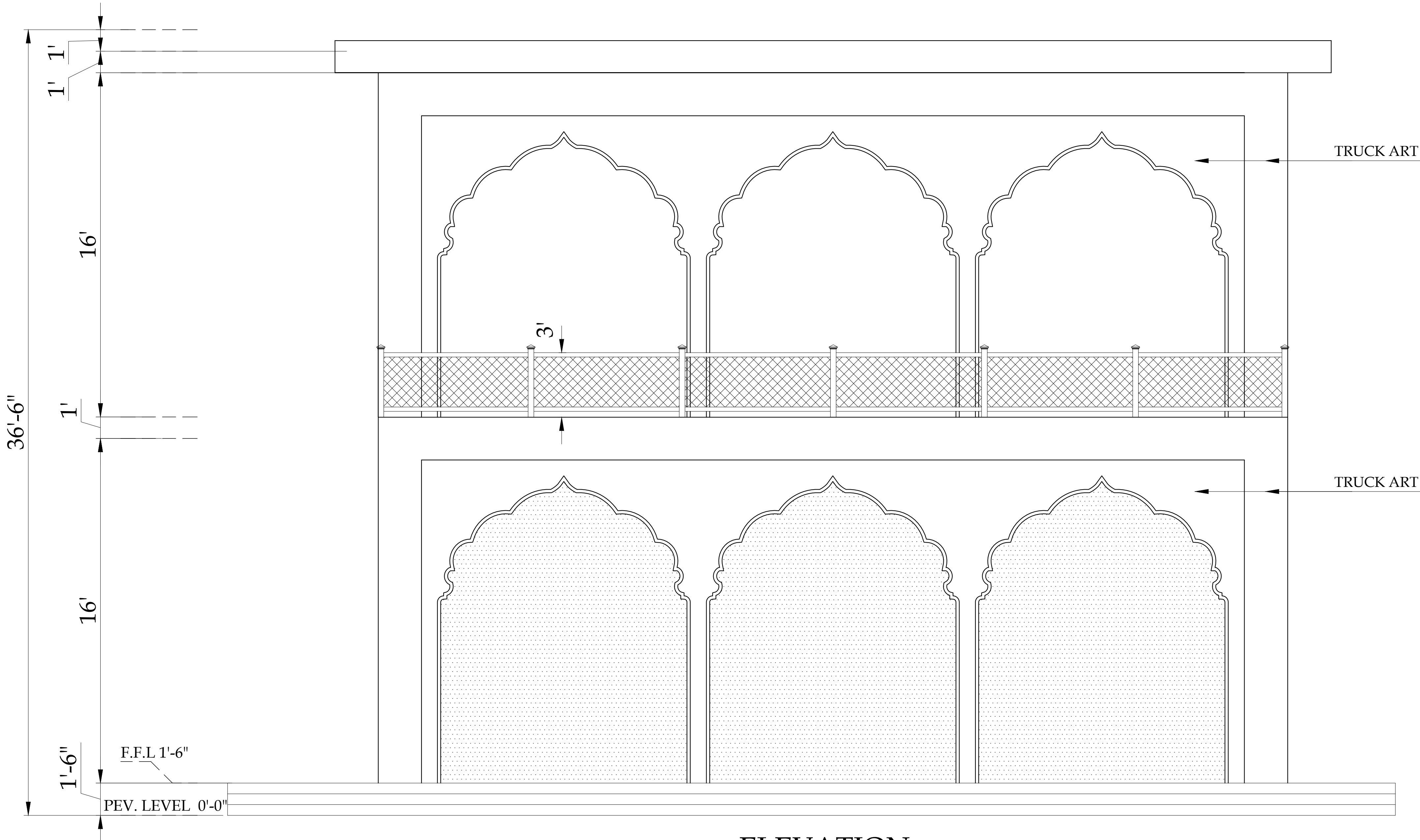
REV.

DESCRIPTION

SIGN.

DATE

MARCH,2025



ELEVATION

SCALE:- 1/6" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		ELEVATION		AR-504					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)
FISHING DECK

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

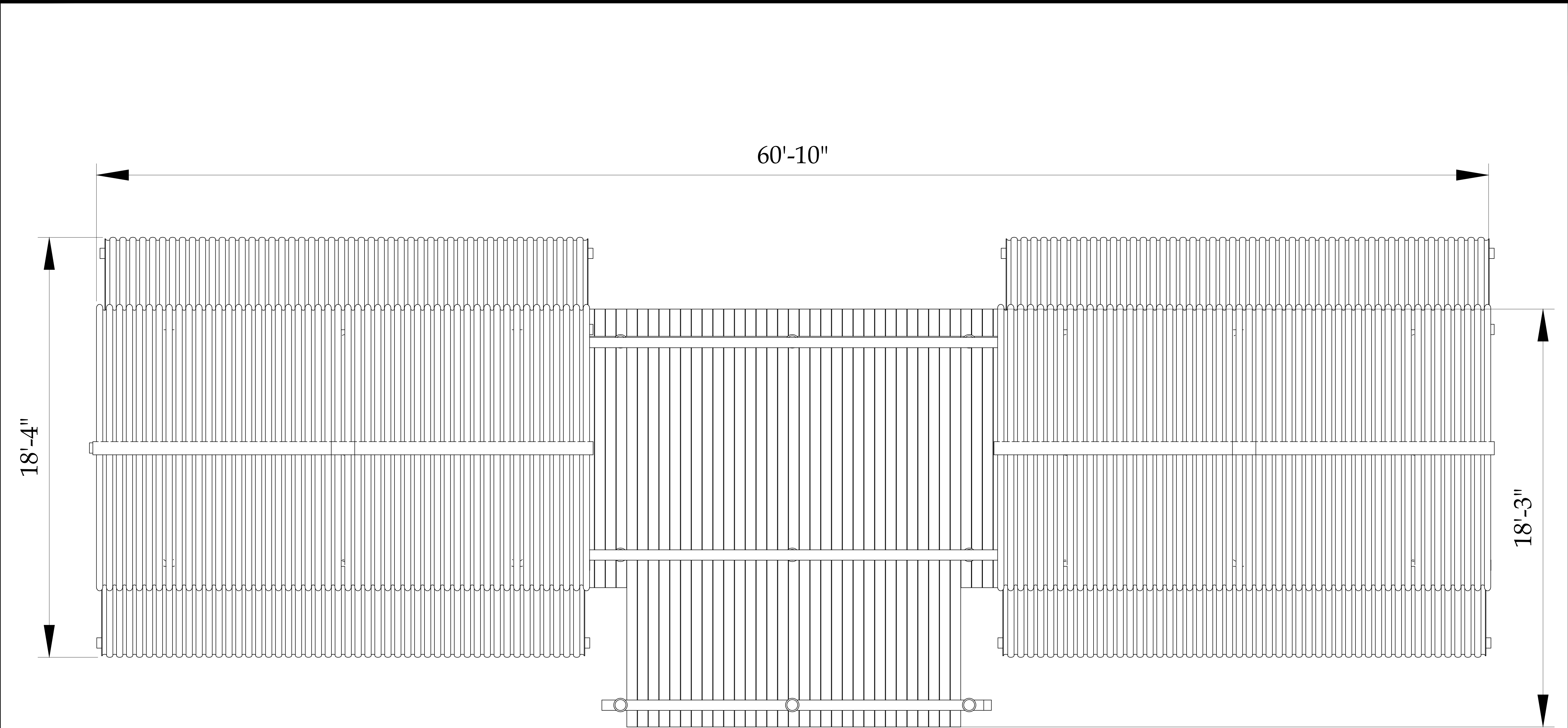


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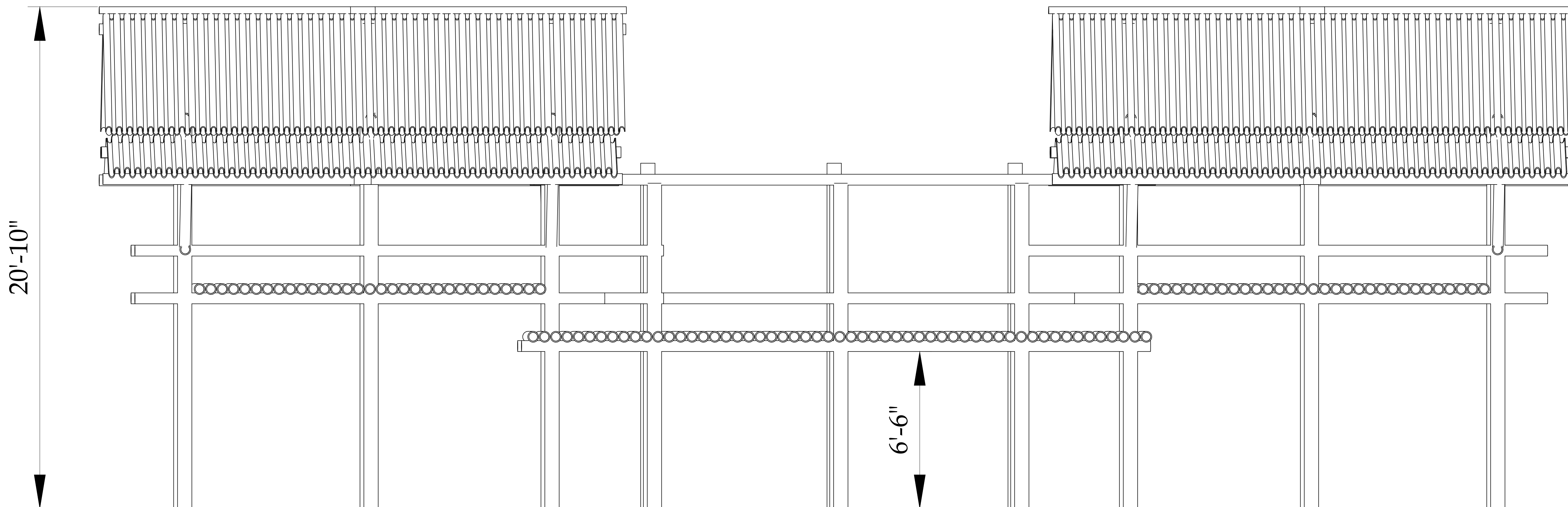
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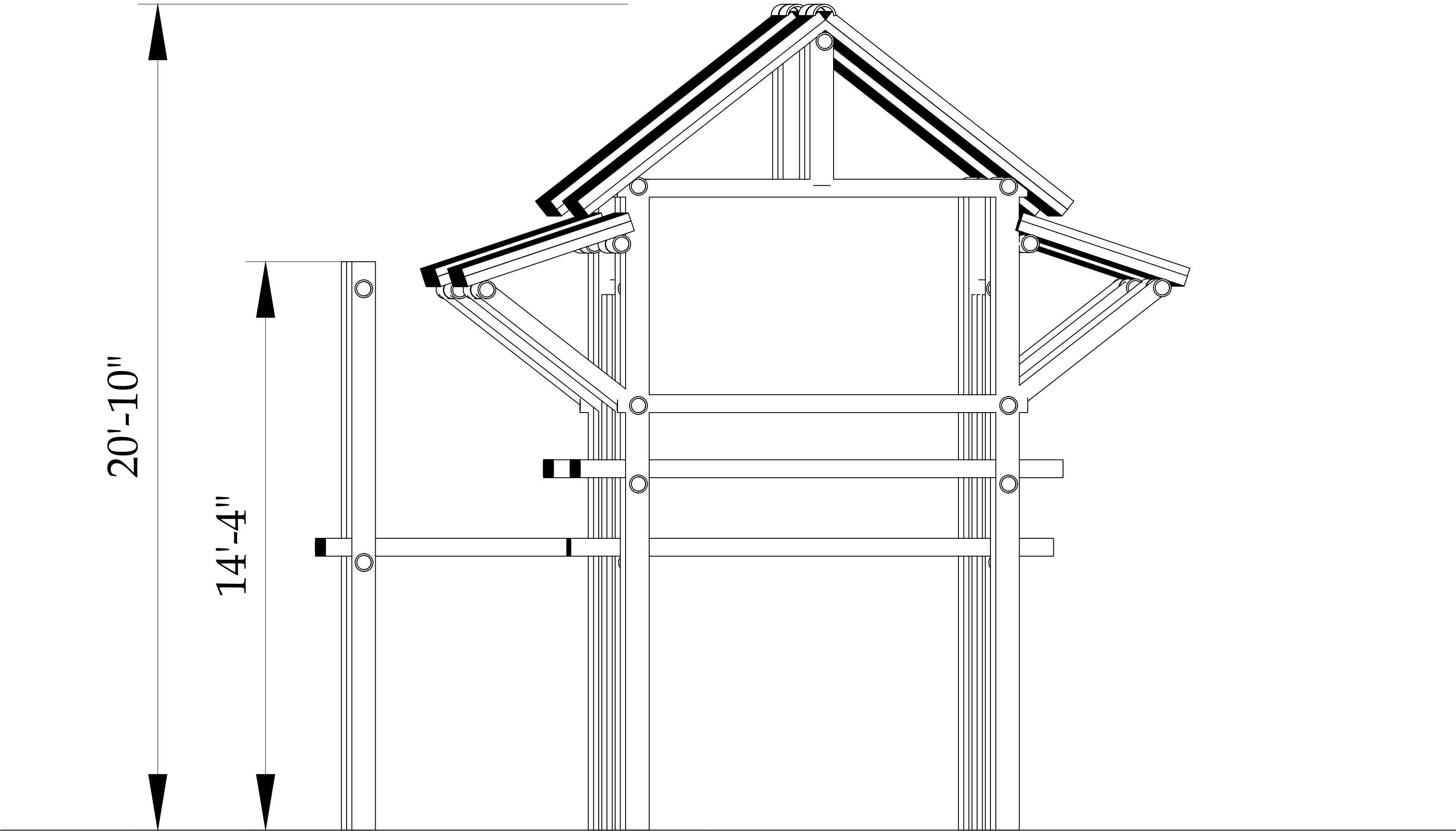
FISHING DECK PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		LAYOUT PLAN		AR-601					MARCH,2025
						CHECKED BY:	Ar.ZEESHAN ALI				SCALE:	SHEET: A3				
						APPROVED BY:	Ar.ZEESHAN ALI									
						DATE:	MARCH - 2025									



FISHING DECK FRONT ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:	DRAWN BY: MUDASSAR HUSSAIN DESIGNED BY: MIR SHEHREYAR CHECKED BY: Ar.ZEESHAN ALI APPROVED BY: Ar.ZEESHAN ALI DATE: MARCH - 2025	DRAWING TITLE: FRONT ELEVATION	DRAWING NO: AR-602	REV. A3	DESCRIPTION MARCH, 2025	SIGN. 	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). Q#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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)							



FISHING DECK SIDE ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		SIDE ELEVATION		AR-603					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:

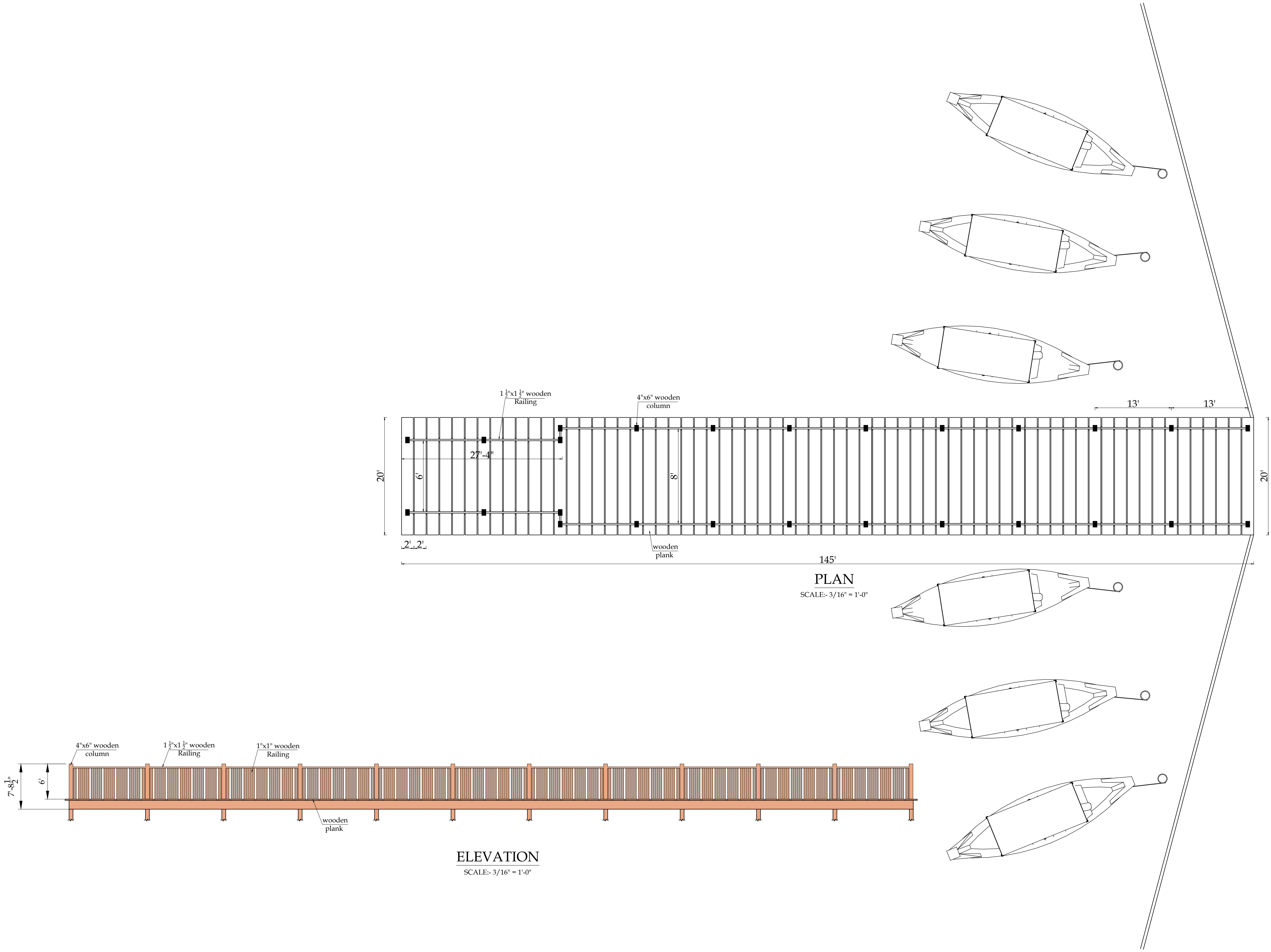


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CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		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:					
						DATE: MARCH - 2025								A3					

ARCHITECTURAL WORKING DRAWINGS

PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)
CAR PARKING

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

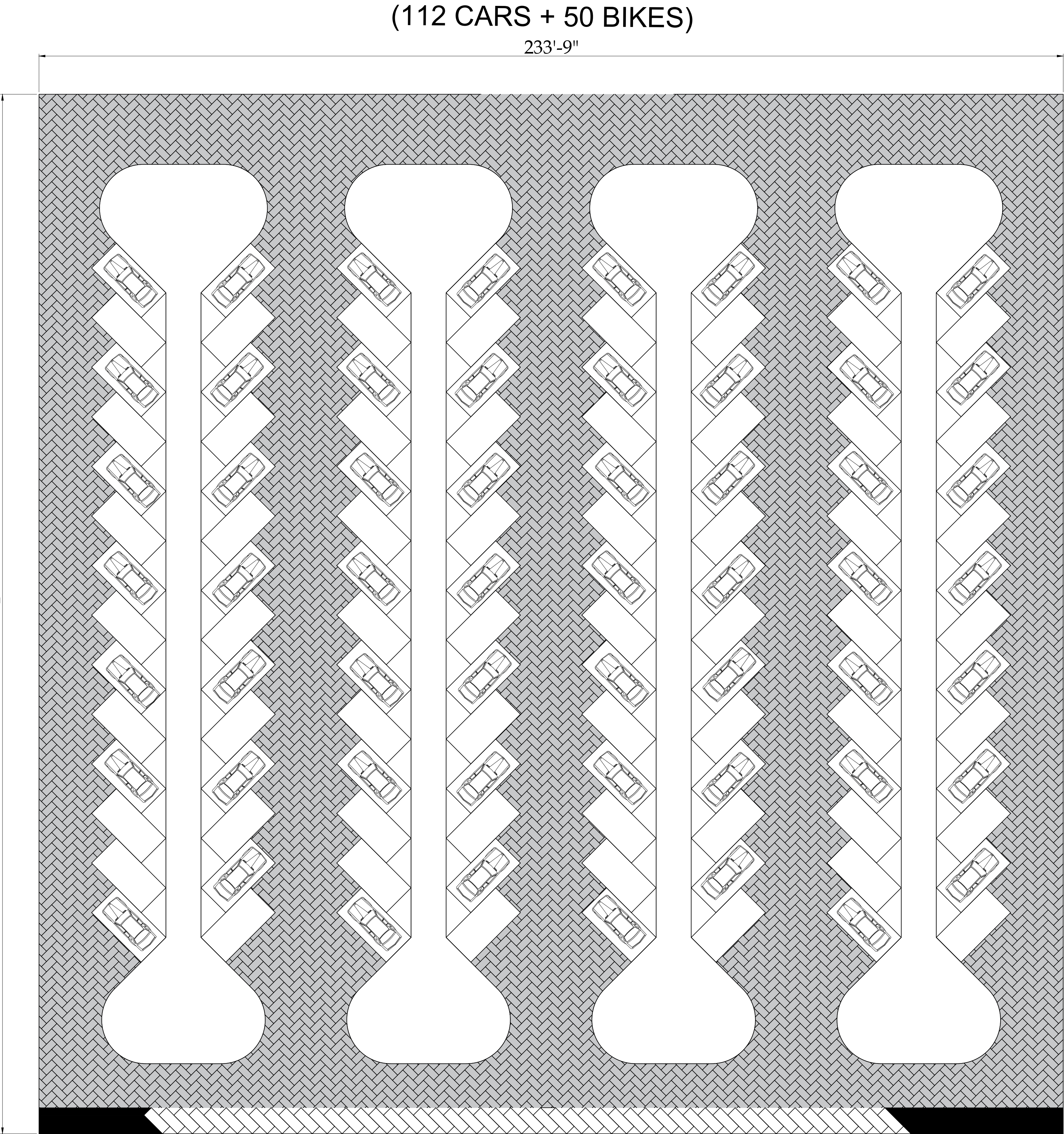


**ENGINEERING CONSULTANCY SERVICES
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CLIENT:



CONSULTANTS:



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:

CAR PARKING

DRAWING NO:

AR-801

SCALE:

SHEET:

A3

REV.

DESCRIPTION

SIGN.

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.

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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	
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22	BOATING LAYOUT PLAN & ELEVATION	AR-801	
23	PAINTING & PHOTOGRAPHY DECK PLAN & ELEVATION	AR-802	
24	CAR PARKING LAYOUT PLAN	AR-901	
25	CAR PARKING TOILETS LAYOUT PLAN	AR-902	

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). 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DRAWN BY:	MUDASSAR HUSSAIN	AR-100					
						DESIGNED BY:	MIR SHEHREYAR						MARCH,2025
						CHECKED BY:	Ar.ZEESHAN ALI						
						APPROVED BY:	Ar.ZEESHAN ALI						
						DATE:	MARCH - 2025	SCALE:	SHEET: A3				

ARCHITECTURAL WORKING DRAWINGS

PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)
GLAMPING POD

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

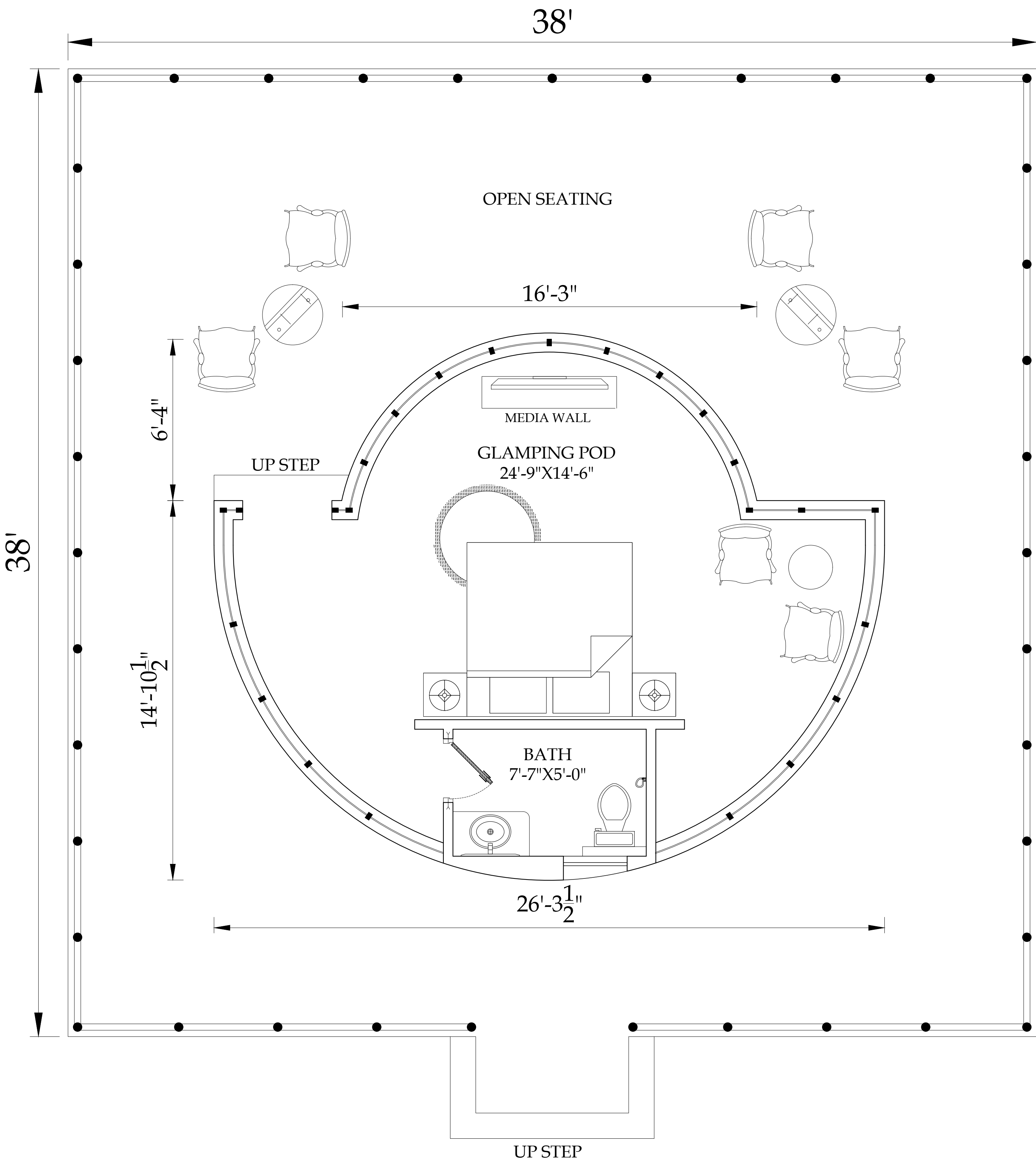


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📍 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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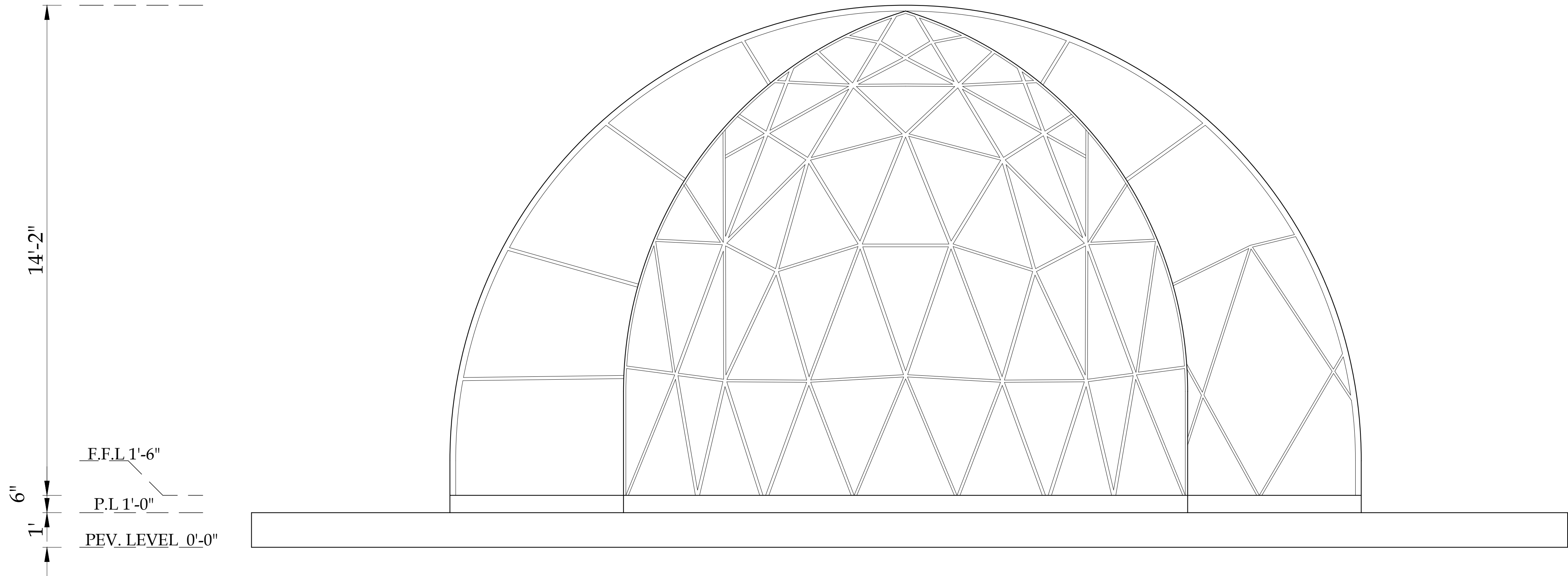
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GLAMPING POD PLAN

SCALE : $\frac{3}{16}$ "=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: LAYOUT PLAN	DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY:	MIR SHEHREYAR		AR-101					MARCH,2025
			CHECKED BY:	Ar.ZEESHAN ALI		SCALE:	SHEET:				
			APPROVED BY:	Ar.ZEESHAN ALI			A3				
		DATE:	MARCH - 2025								



ELEVATION

SCALE : 1/4" =1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		ELEVATION		AR-102					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)
ECO-LODGE

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

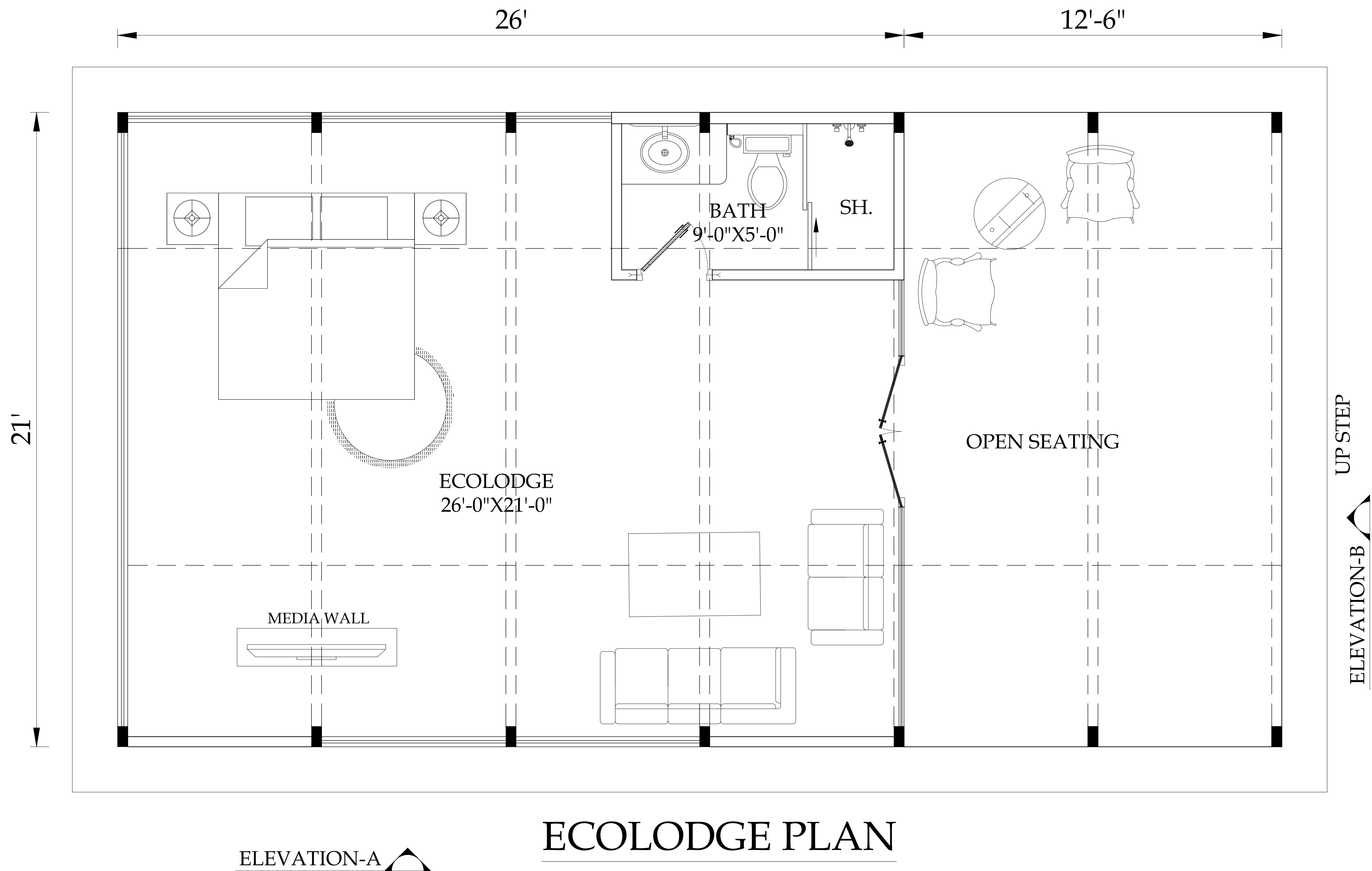


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📍 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

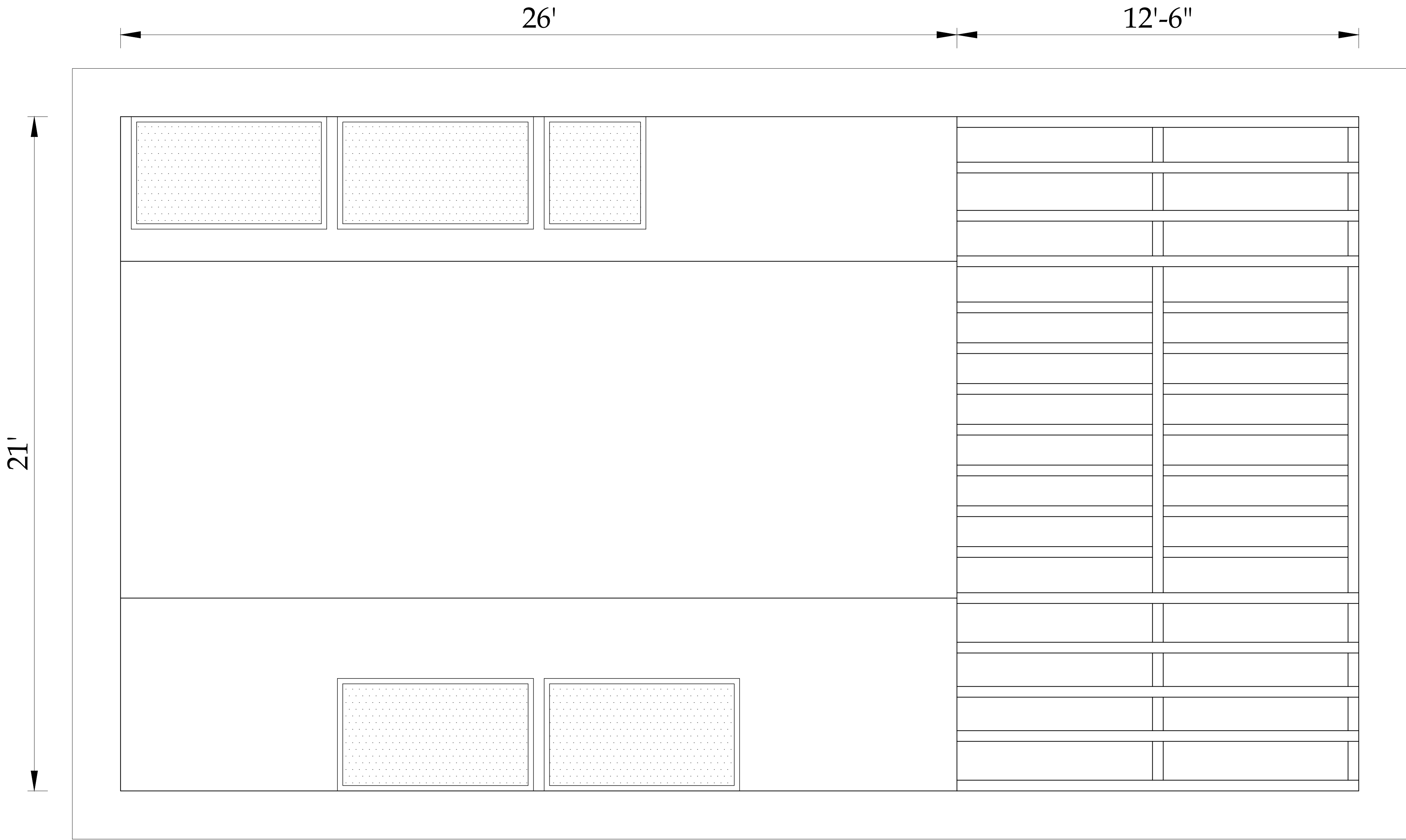
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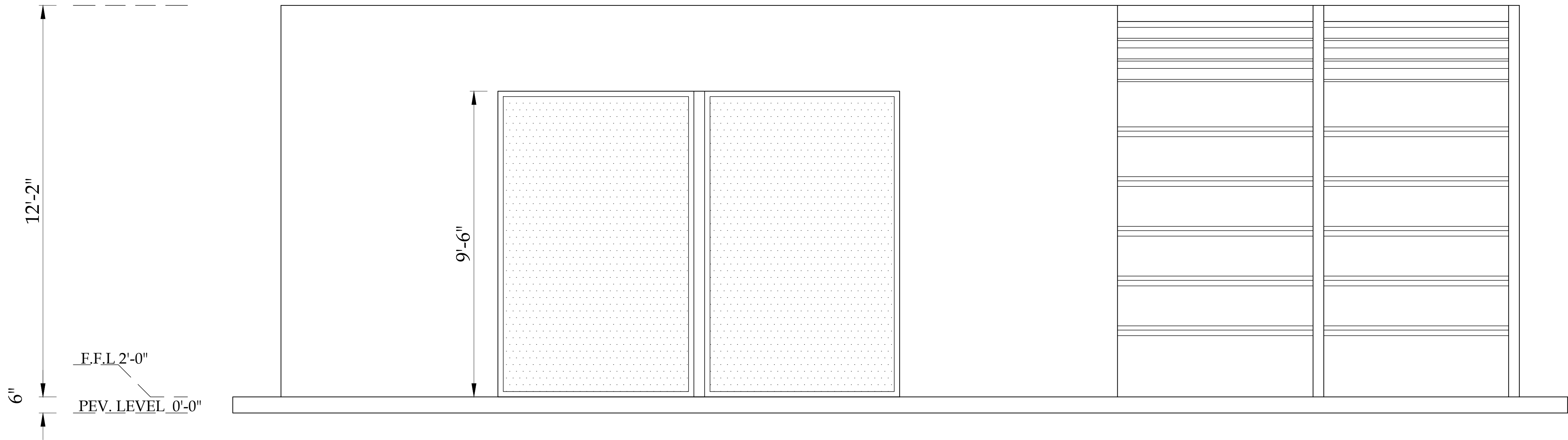
ECOLODGE PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		MUDASSAR HUSSAIN		LAYOUT PLAN		AR-201					
						MIR SHEHREYAR				SCALE:		SHEET:			
						Ar.ZEESHAN ALI									
						Ar.ZEESHAN ALI									
						MARCH - 2025				A3					MARCH,2025



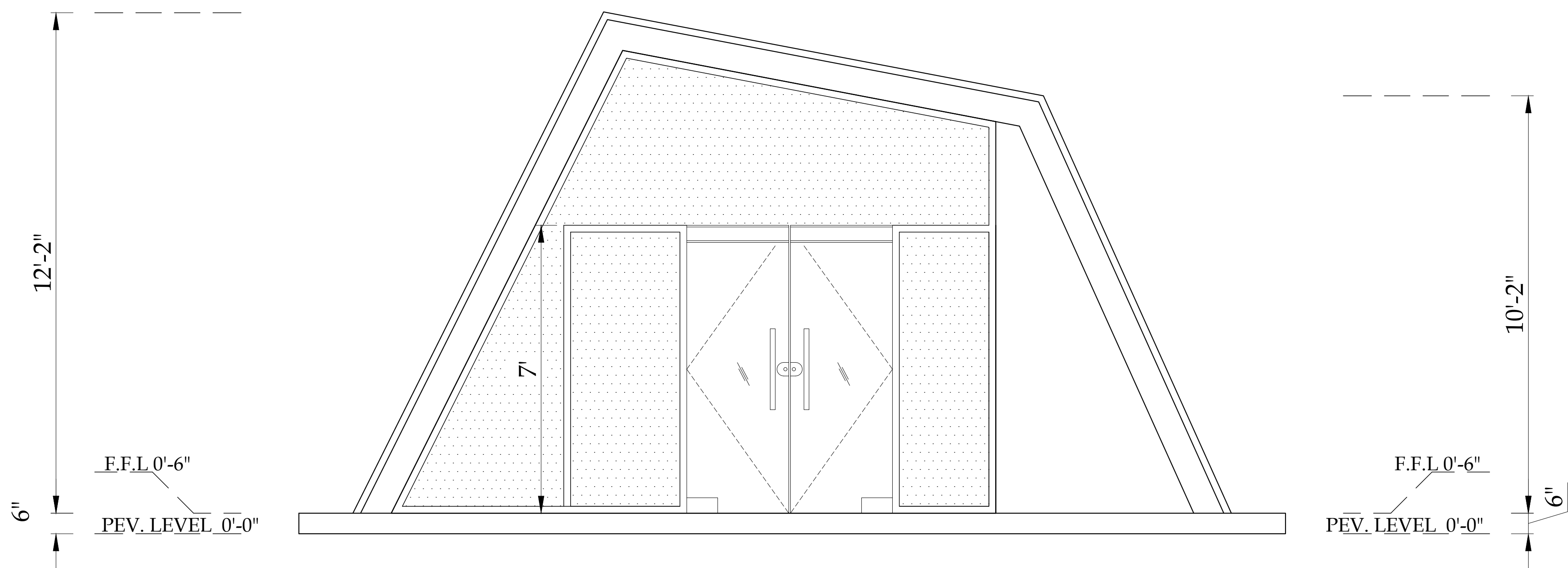
ECOLODGE ROOF PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		ROOF PLAN		AR-202							MARCH,2025
				CHECKED BY:	Ar.ZEESHAN ALI				SCALE:	SHEET:						
				APPROVED BY:	Ar.ZEESHAN ALI											
				DATE:	MARCH - 2025					A3						



ELEVATION-A

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
  PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		ELEVATION-A		AR-203							MARCH,2025
				CHECKED BY:	Ar.ZEESHAN ALI				SCALE:	SHEET: A3						
				APPROVED BY:	Ar.ZEESHAN ALI											
				DATE:	MARCH - 2025											



ELEVATION-B

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR				AR-204					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)
INFORMATION CENTER

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

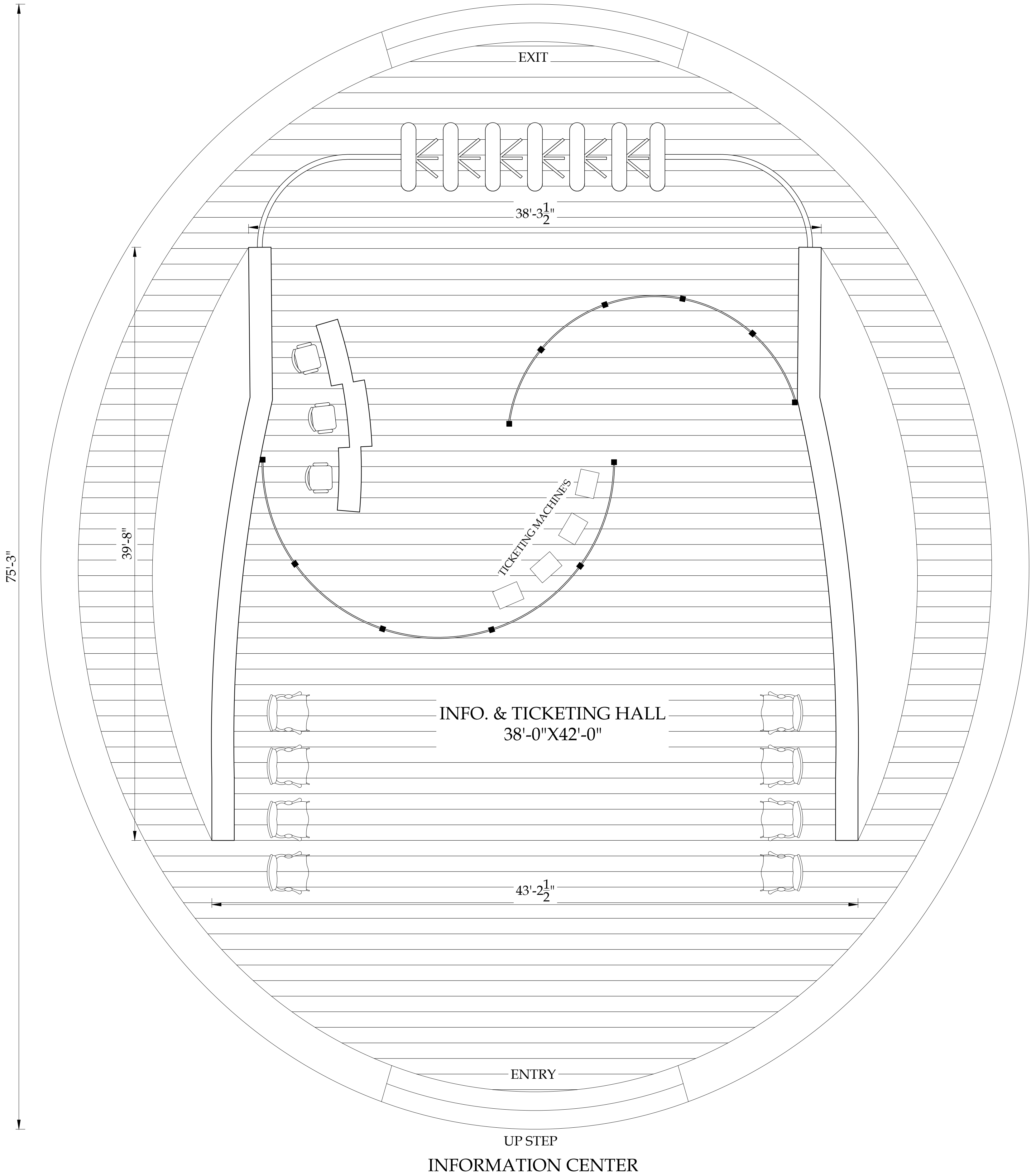


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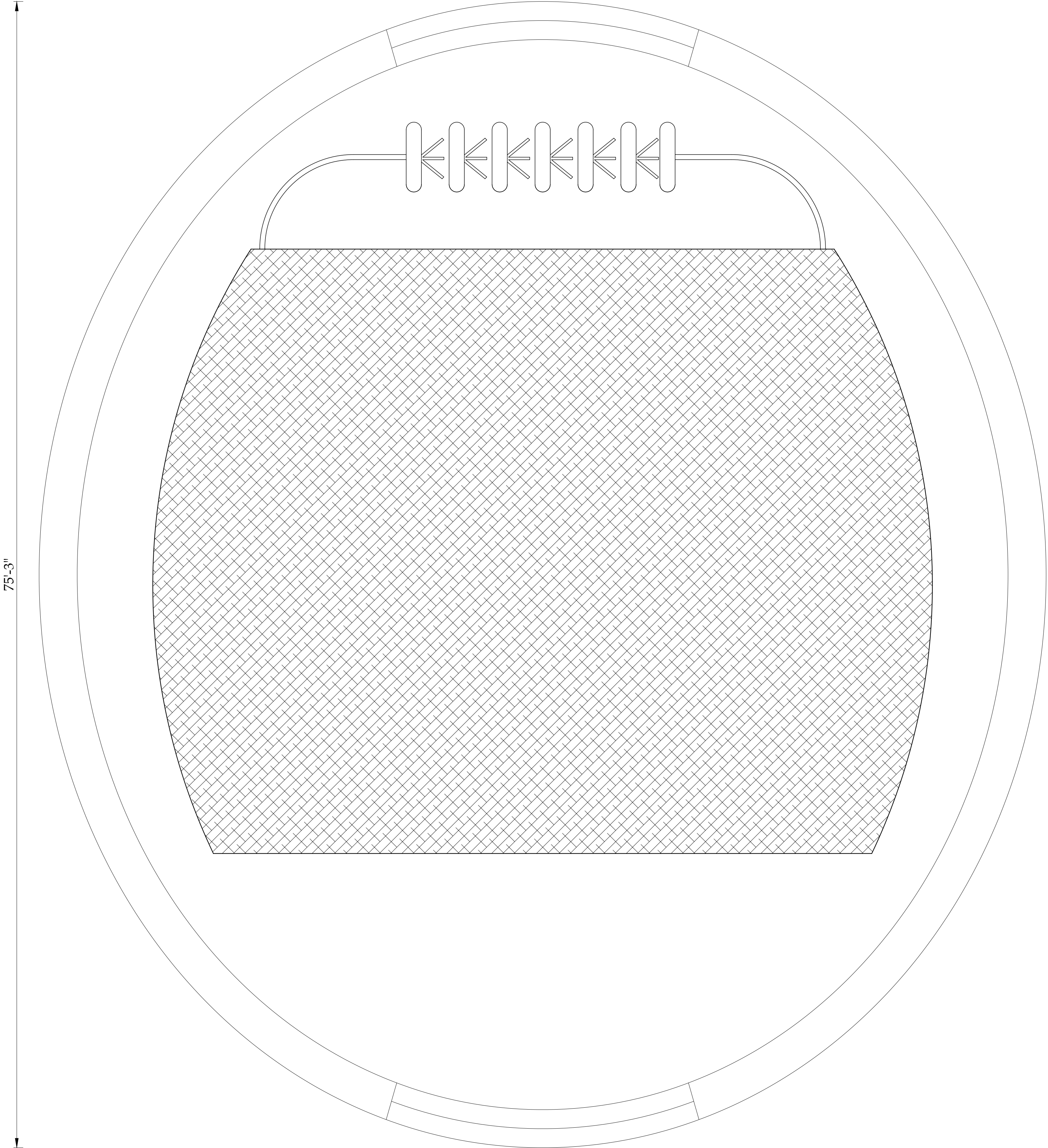
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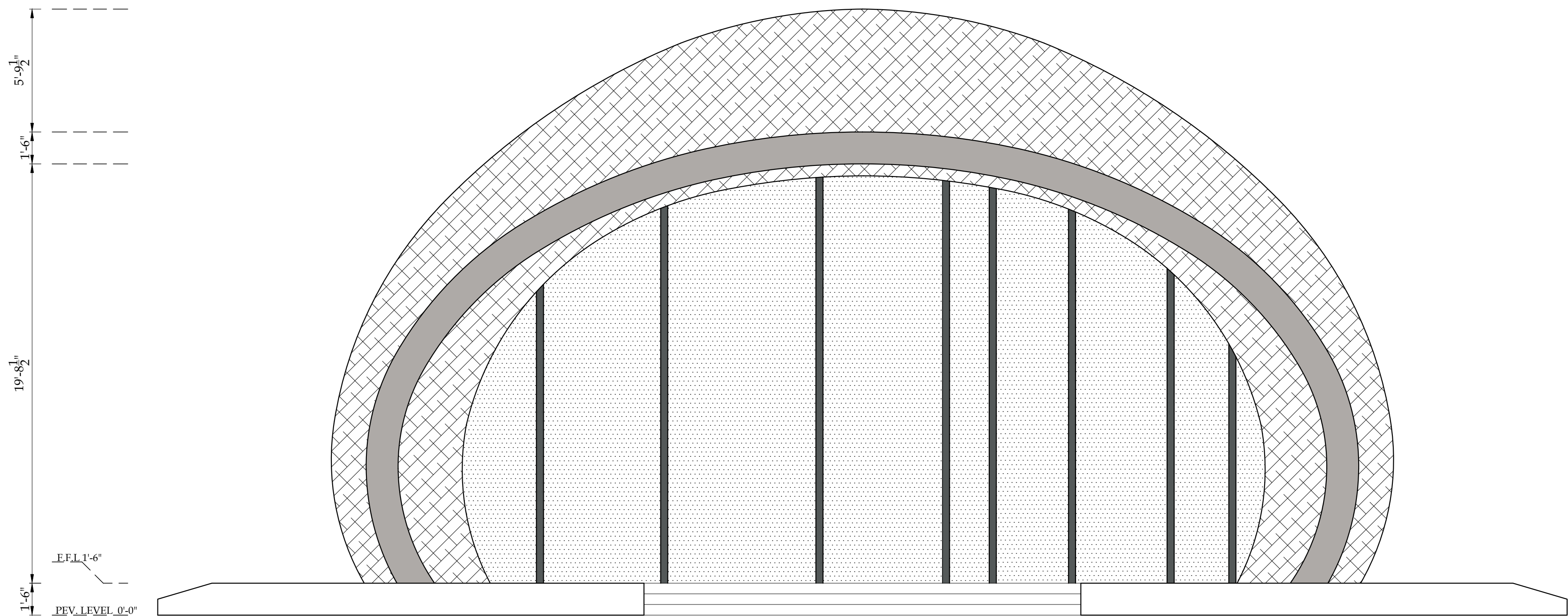


CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT  GOVERNMENT OF THE PUNJAB	 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)	MUDASSAR HUSSAIN		LAYOUT PLAN		AR-301								
			MIR SHEHREYAR									MARCH,2025			
			Ar.ZEESHAN ALI												
			Ar.ZEESHAN ALI												
			MARCH - 2025				SCALE:	SHEET:							
								A3							



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		DRAWING TITLE: ROOF PLAN		DRAWING NO: AR-302		REV.	DESCRIPTION	SIGN.	DATE
DESIGNED BY: MIR SHEHREYAR					MARCH,2025													
CHECKED BY: Ar.ZEESHAN ALI																		
APPROVED BY: Ar.ZEESHAN ALI																		
			DATE: MARCH - 2025				SCALE:		SHEET: A3									



ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION		SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB   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		ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:		MUDASSAR HUSSAIN		ELEVATION		AR-303						
				DESIGNED BY:		MIR SHEHREYAR									MARCH,2025	
				CHECKED BY:		Ar.ZEESHAN ALI										
				APPROVED BY:		Ar.ZEESHAN ALI										
				DATE:		MARCH - 2025				SCALE:		SHEET:				
										A3						

ARCHITECTURAL WORKING DRAWINGS

PROJECT

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

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

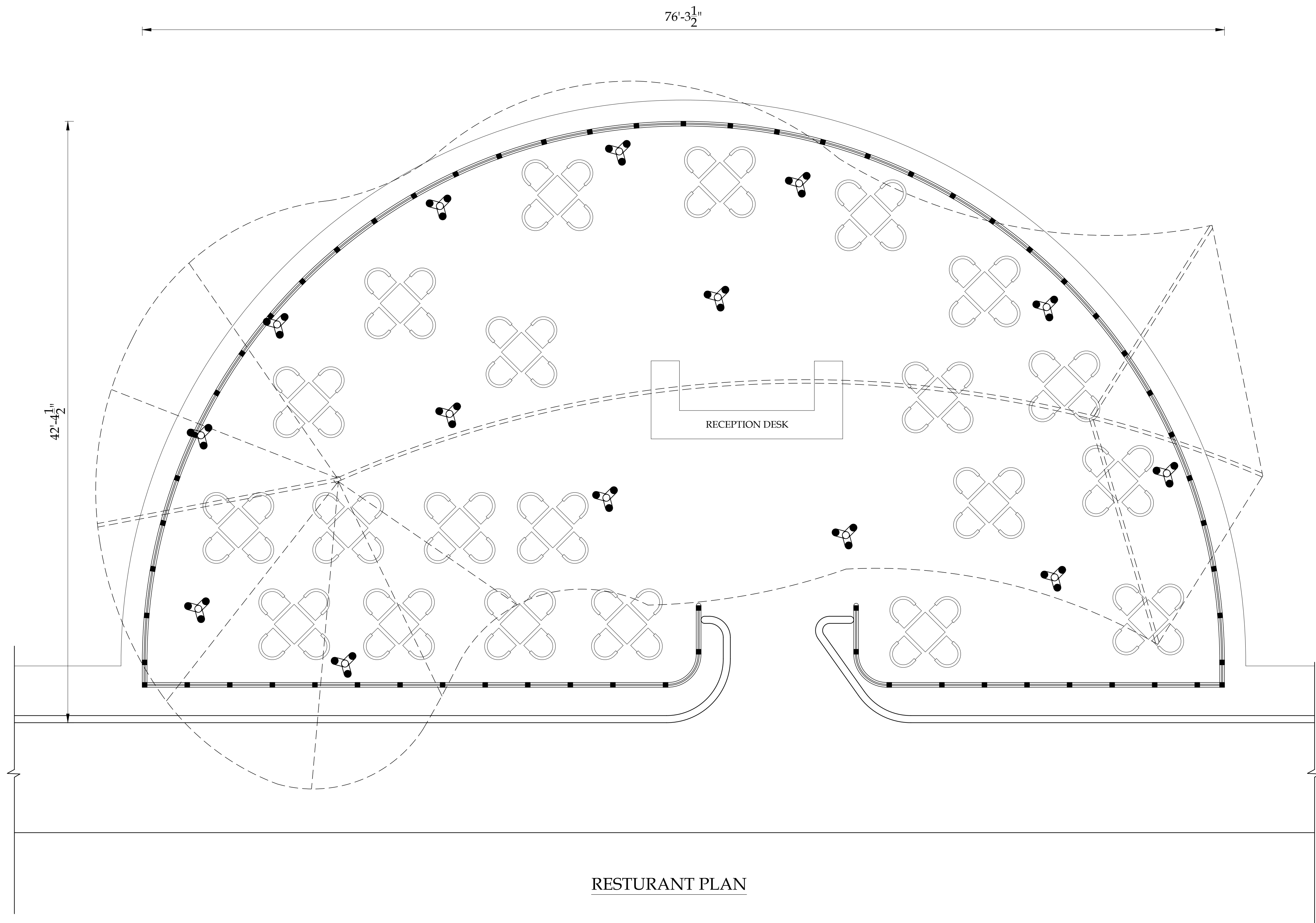


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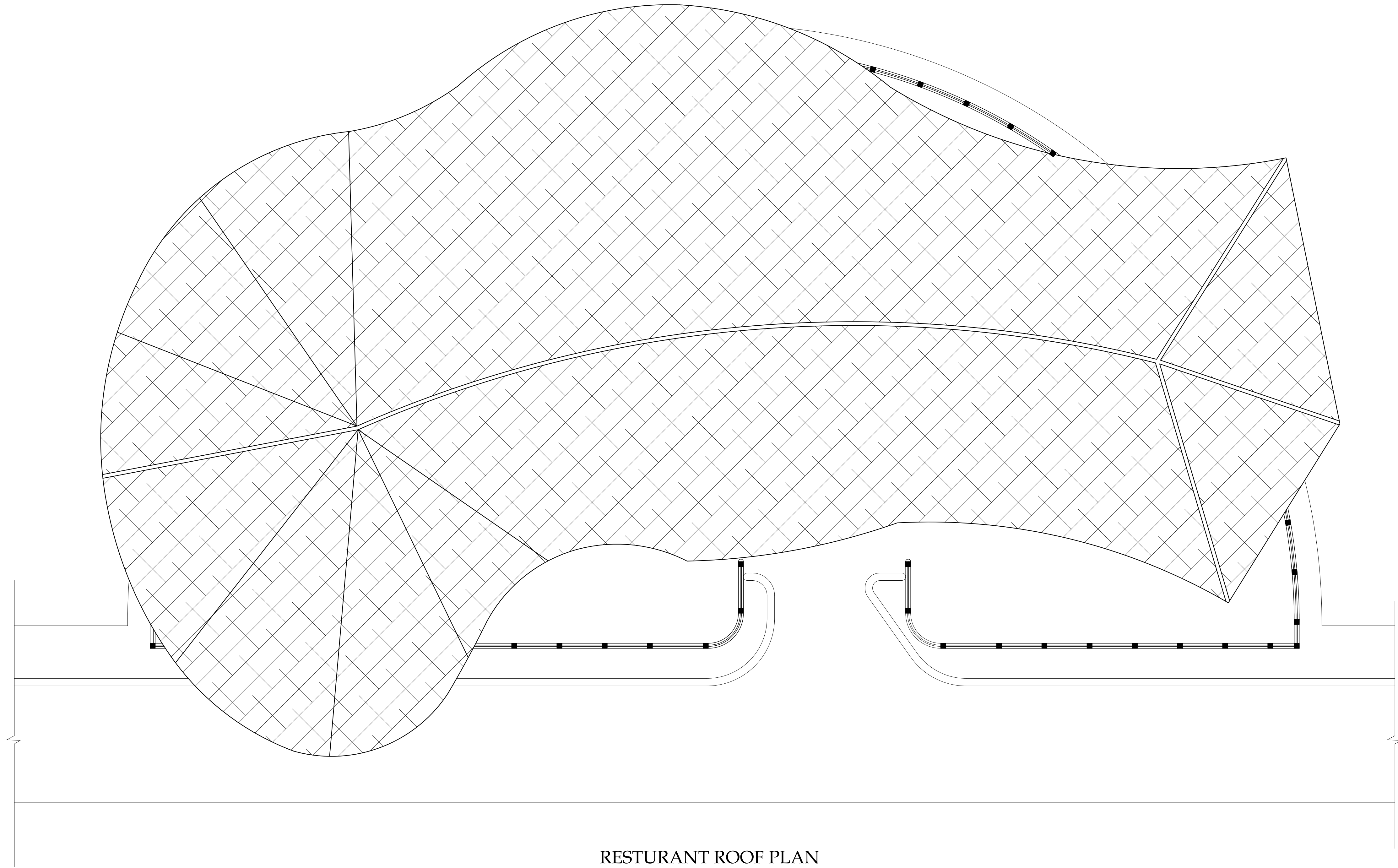
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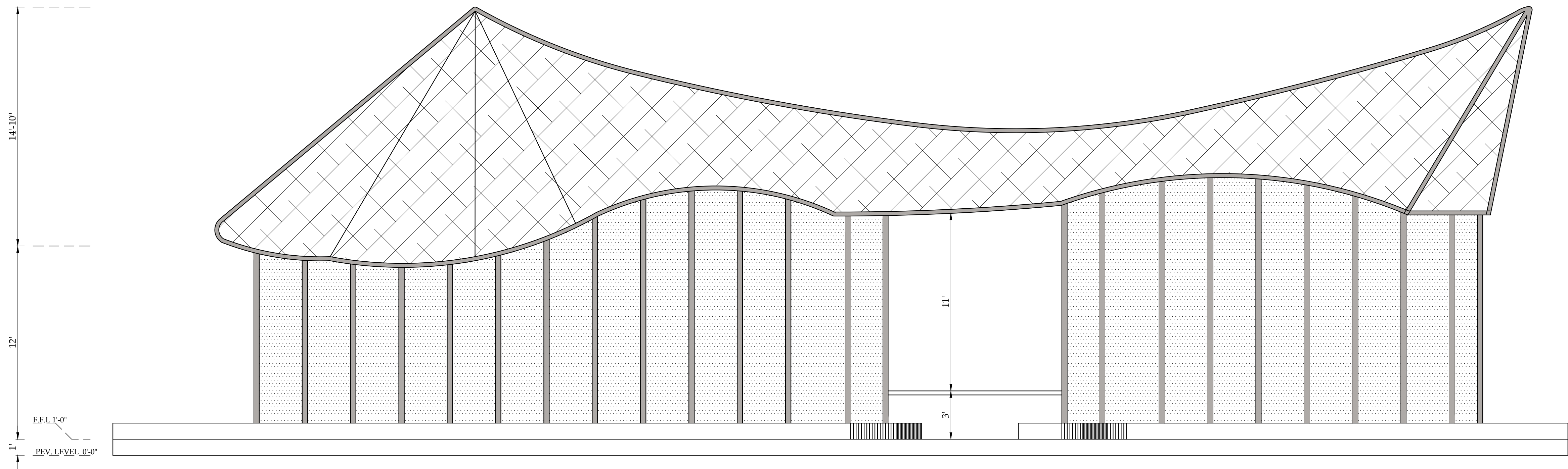


CLIENT:  PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		CONSULTANTS:  ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		PROJECT: ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE: LAYOUT PLAN		DRAWING NO: AR-401		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											



RESTURANT ROOF PLAN

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		ROOF PLAN	AR-402	SCALE:	SHEET:								
				CHECKED BY:	Ar.ZEESHAN ALI													
				APPROVED BY:	Ar.ZEESHAN ALI													
				DATE:	MARCH - 2025													
									A3					MARCH,2025				



ELEVATION

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR				AR-403					MARCH,2025
						CHECKED BY:	Ar.ZEESHAN ALI				SCALE:	SHEET:				
						APPROVED BY:	Ar.ZEESHAN ALI									
						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:

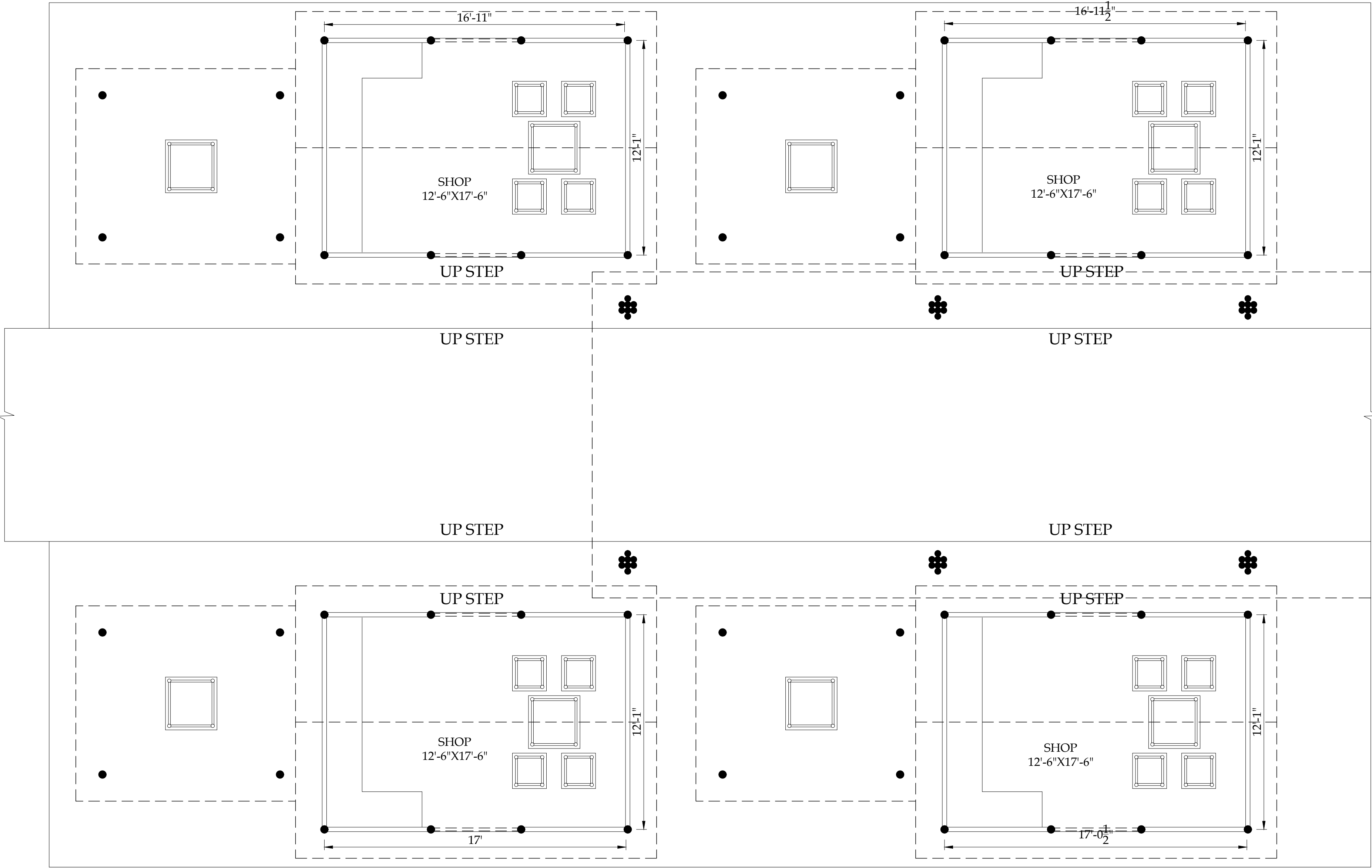


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

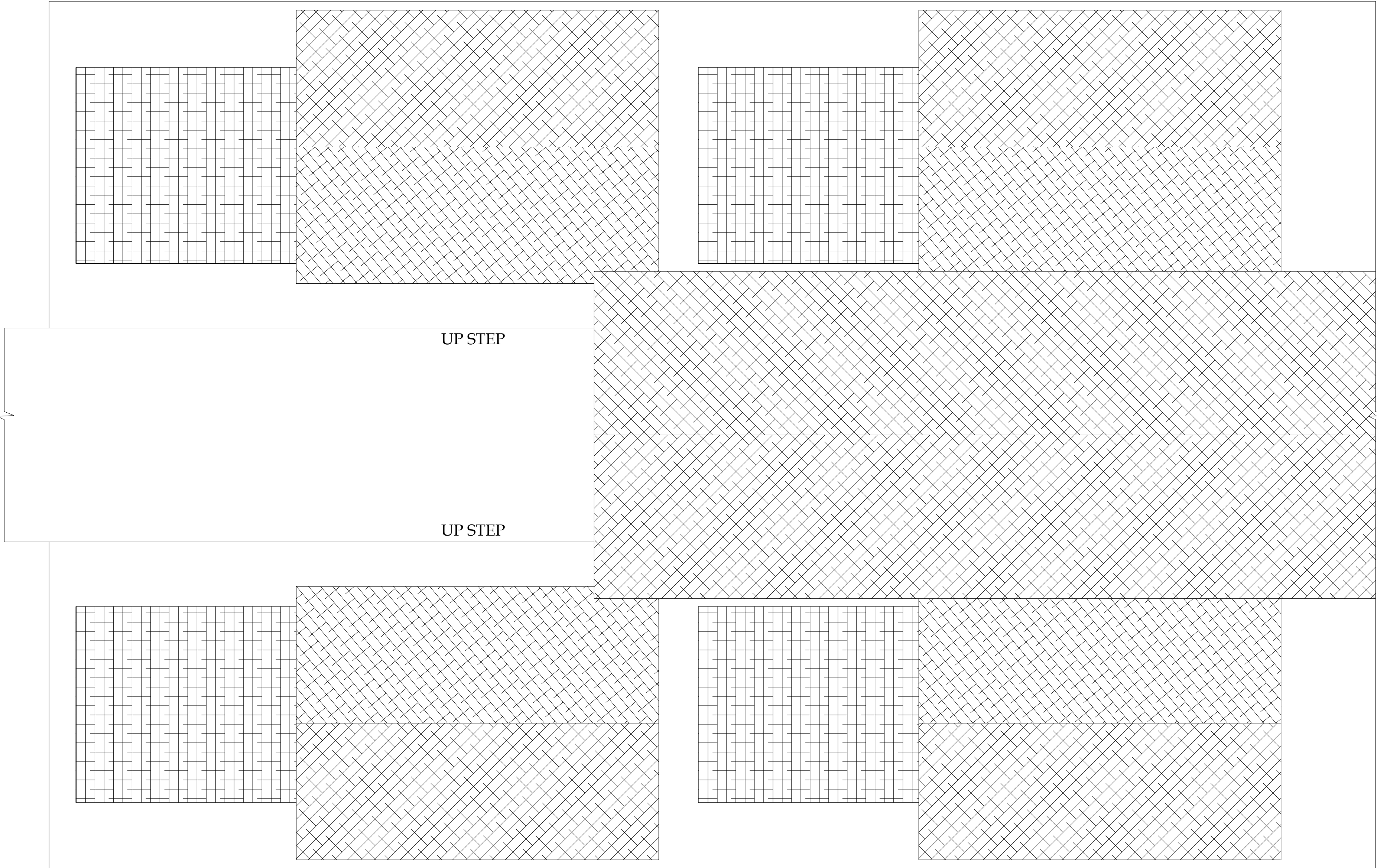
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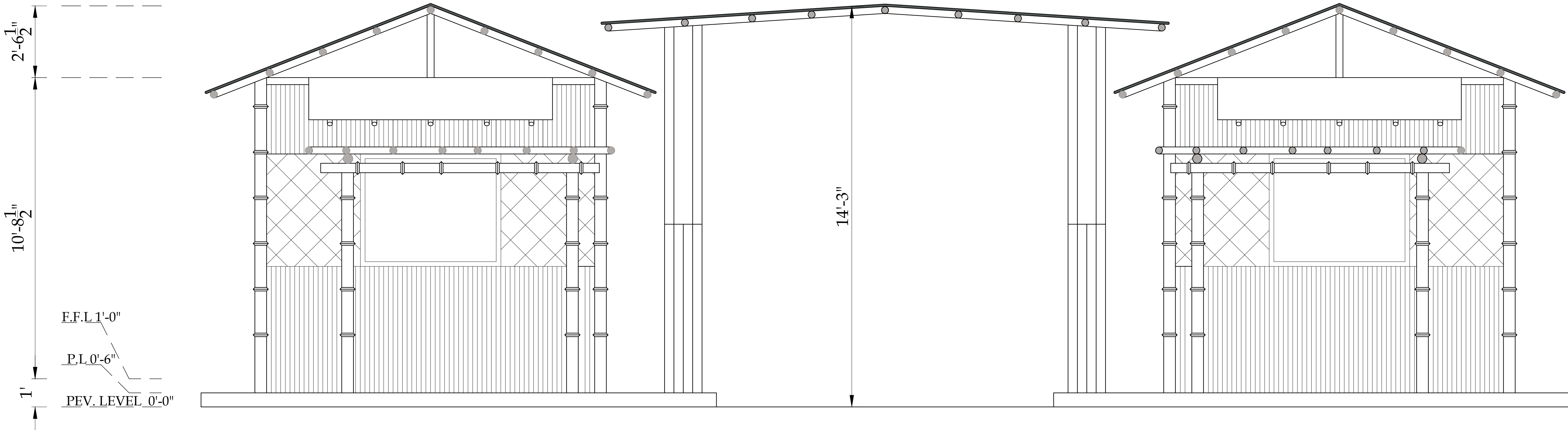
CRAFT BAZAAR PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:		MIR SHEHREYAR		LAYOUT PLAN	AR-501						MARCH,2025
						CHECKED BY:		Ar.ZEESHAN ALI			SCALE:	SHEET:					
						APPROVED BY:		Ar.ZEESHAN ALI									
						DATE:		MARCH - 2025					A3				



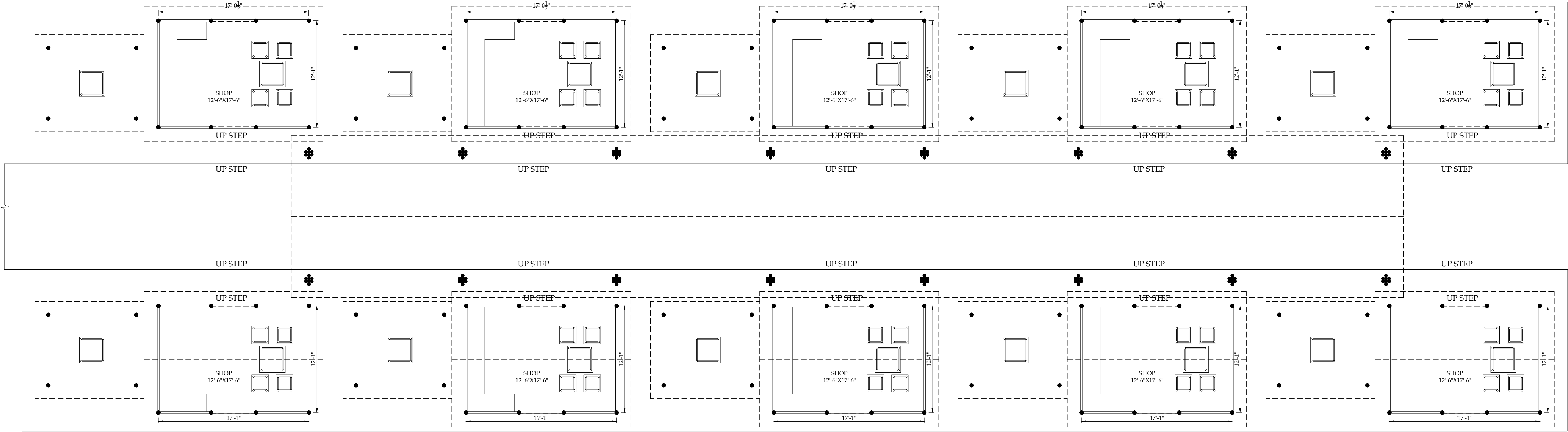
CRAFT BAZAAR ROOF PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:	MUDASSAR HUSSAIN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 	 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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		DESIGNED BY:	MIR SHEHREYAR		ROOF PLAN		AR-502							MARCH,2025
				CHECKED BY:	Ar.ZEESHAN ALI											
				APPROVED BY:	Ar.ZEESHAN ALI						SCALE:	SHEET:				
				DATE:	MARCH - 2025							A3				

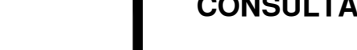


ELEVATION

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			MUDASSAR HUSSAIN			ELEVATION		AR-503					
									DESIGNED BY: MIR SHEHREYAR									MARCH,2025	
									CHECKED BY: Ar.ZEESHAN ALI										
									APPROVED BY: Ar.ZEESHAN ALI										
						DATE: MARCH - 2025					SCALE:	SHEET:							
												A3							



CRAFT BAZAAR MASTER PLAN

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:			REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			MUDASSAR HUSSAIN			CRAFT BAZAR MASTER PLAN			AR-504						MARCH,2025
									DESIGNED BY: MIR SHEHREYAR												
									CHECKED BY: Ar.ZEESHAN ALI												
									APPROVED BY: Ar.ZEESHAN ALI												
						DATE: MARCH - 2025						SCALE:	SHEET:								
												A3									

ARCHITECTURAL WORKING DRAWINGS

PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)
WATCH TOWER

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

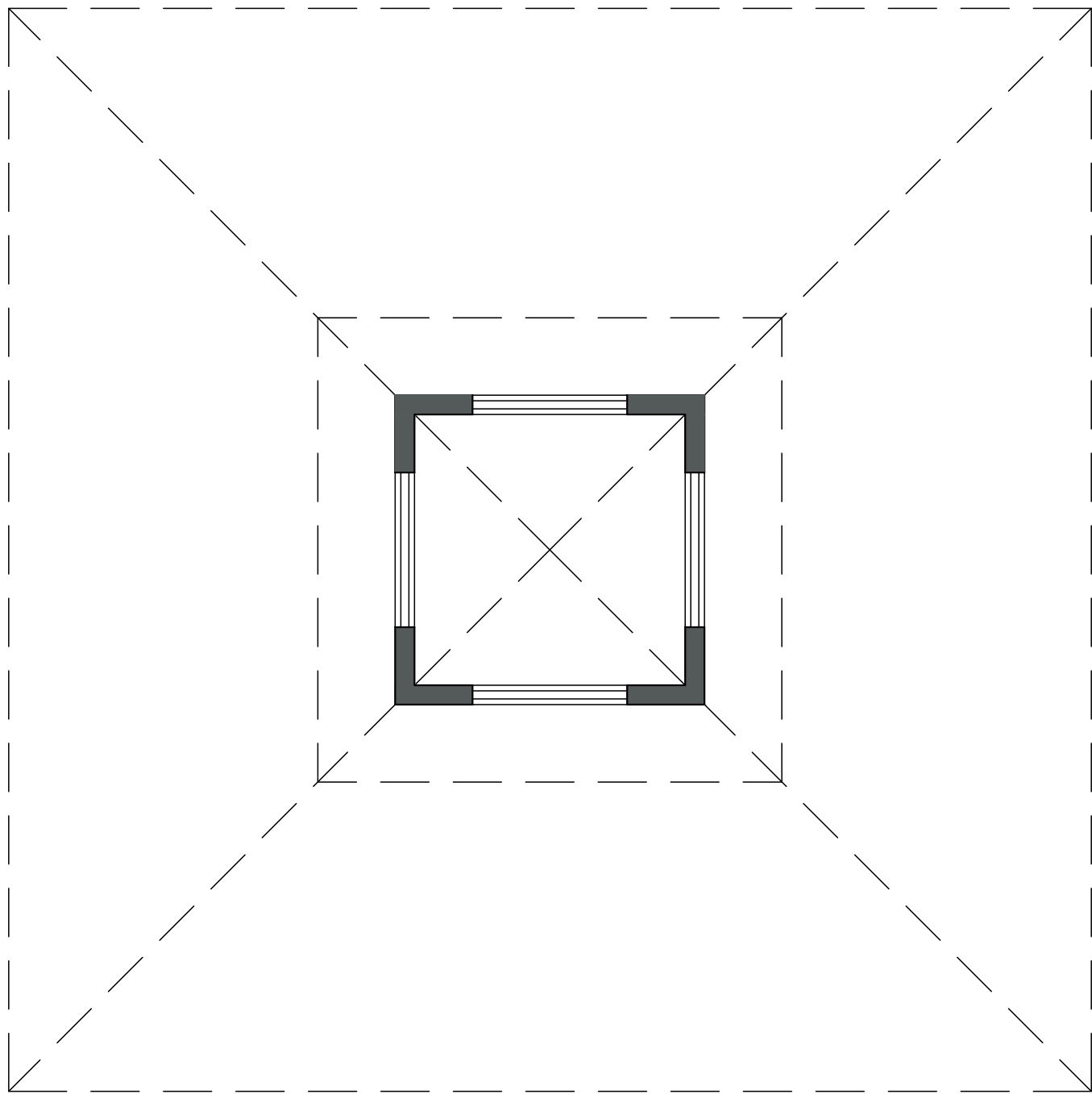
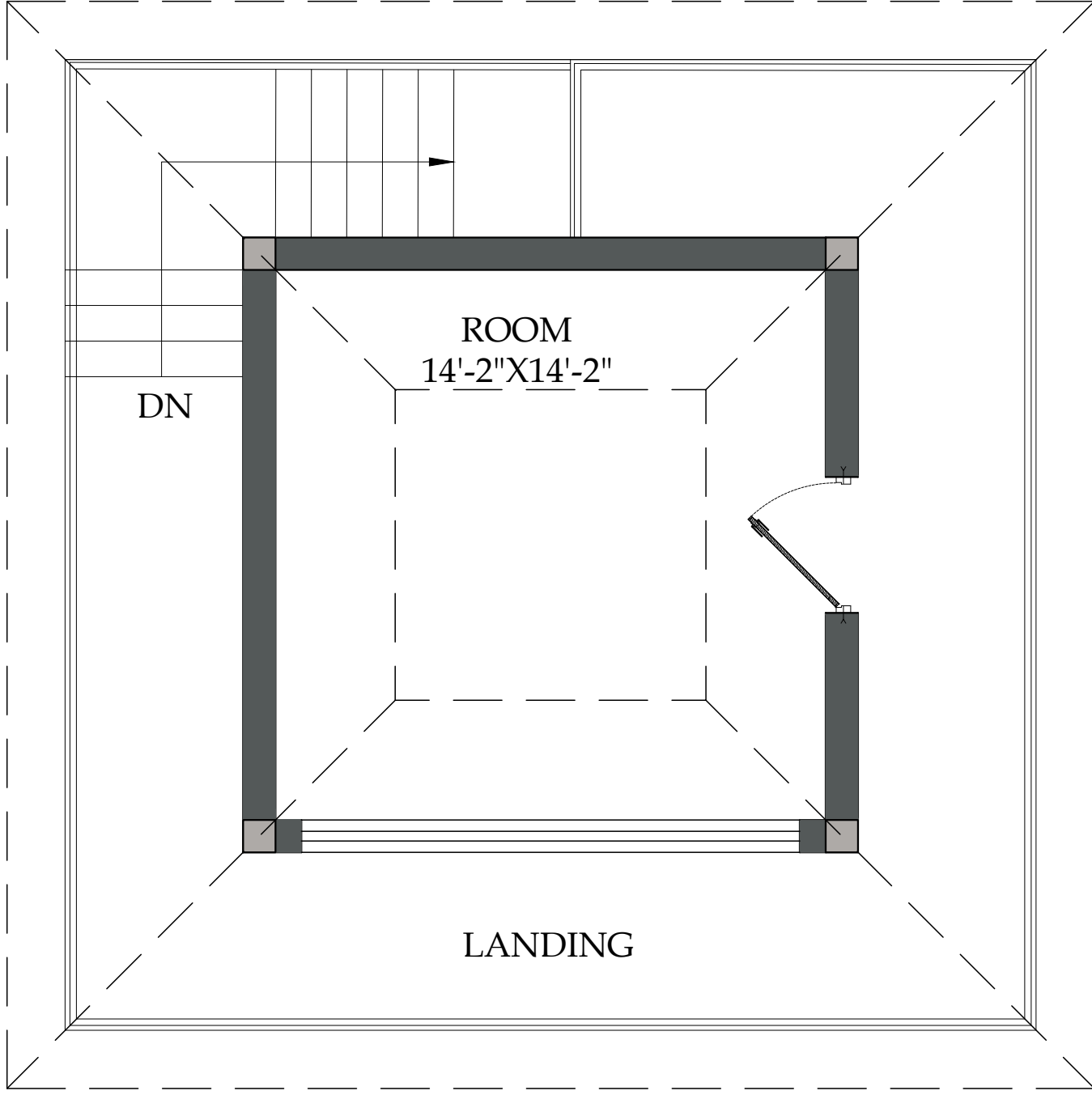
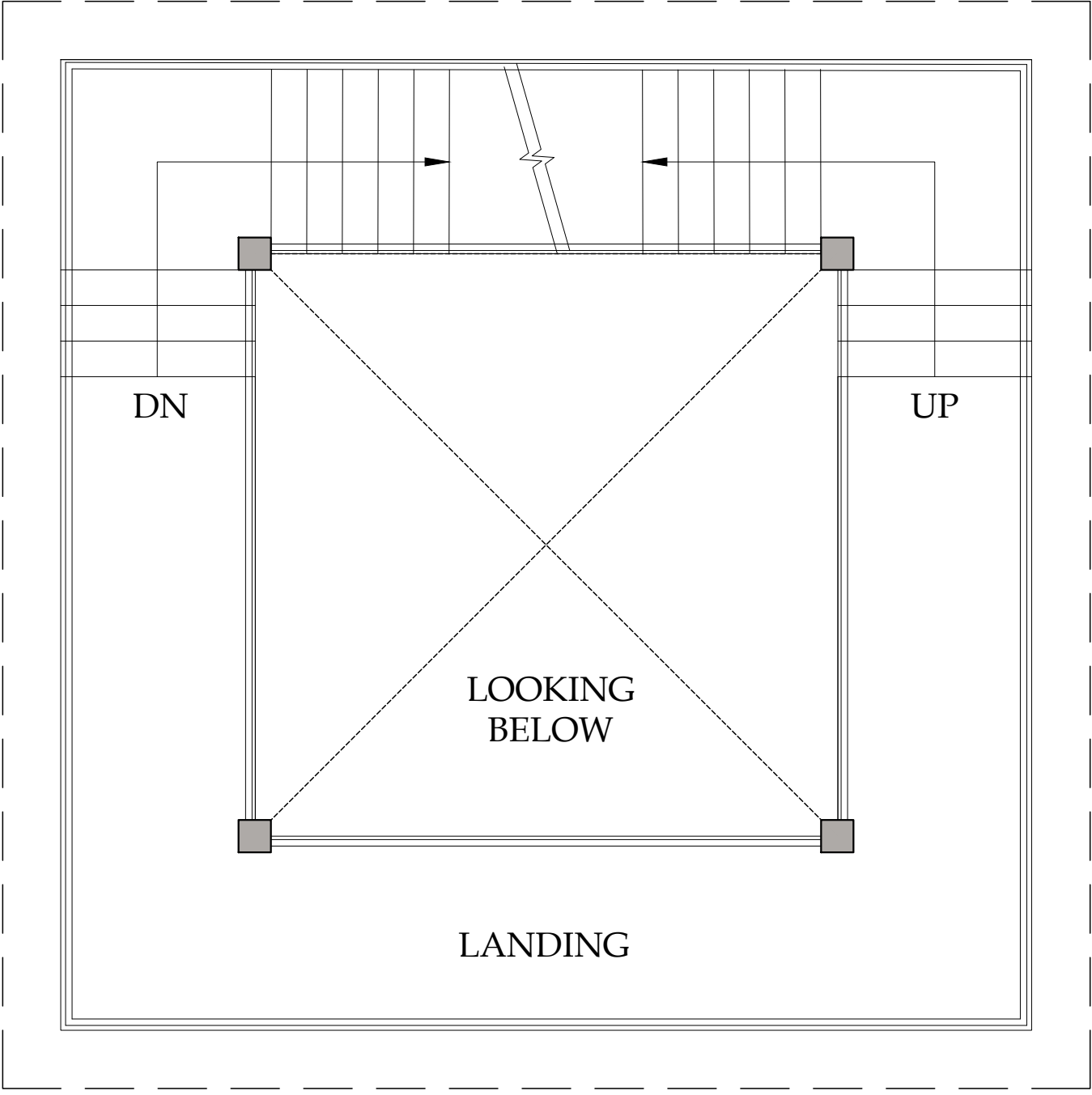
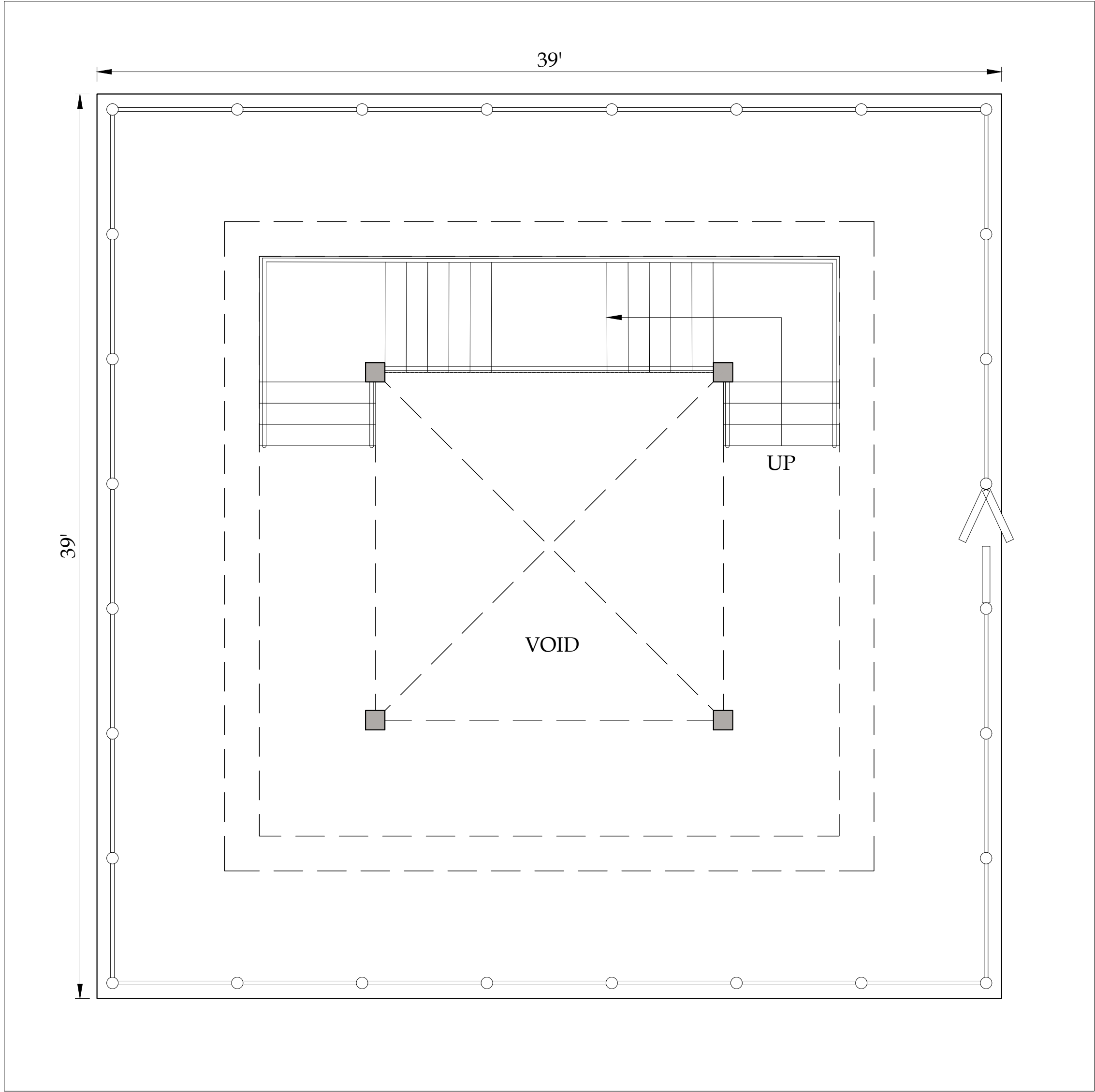


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PUNJAB (PVT) LTD (ECSP).**

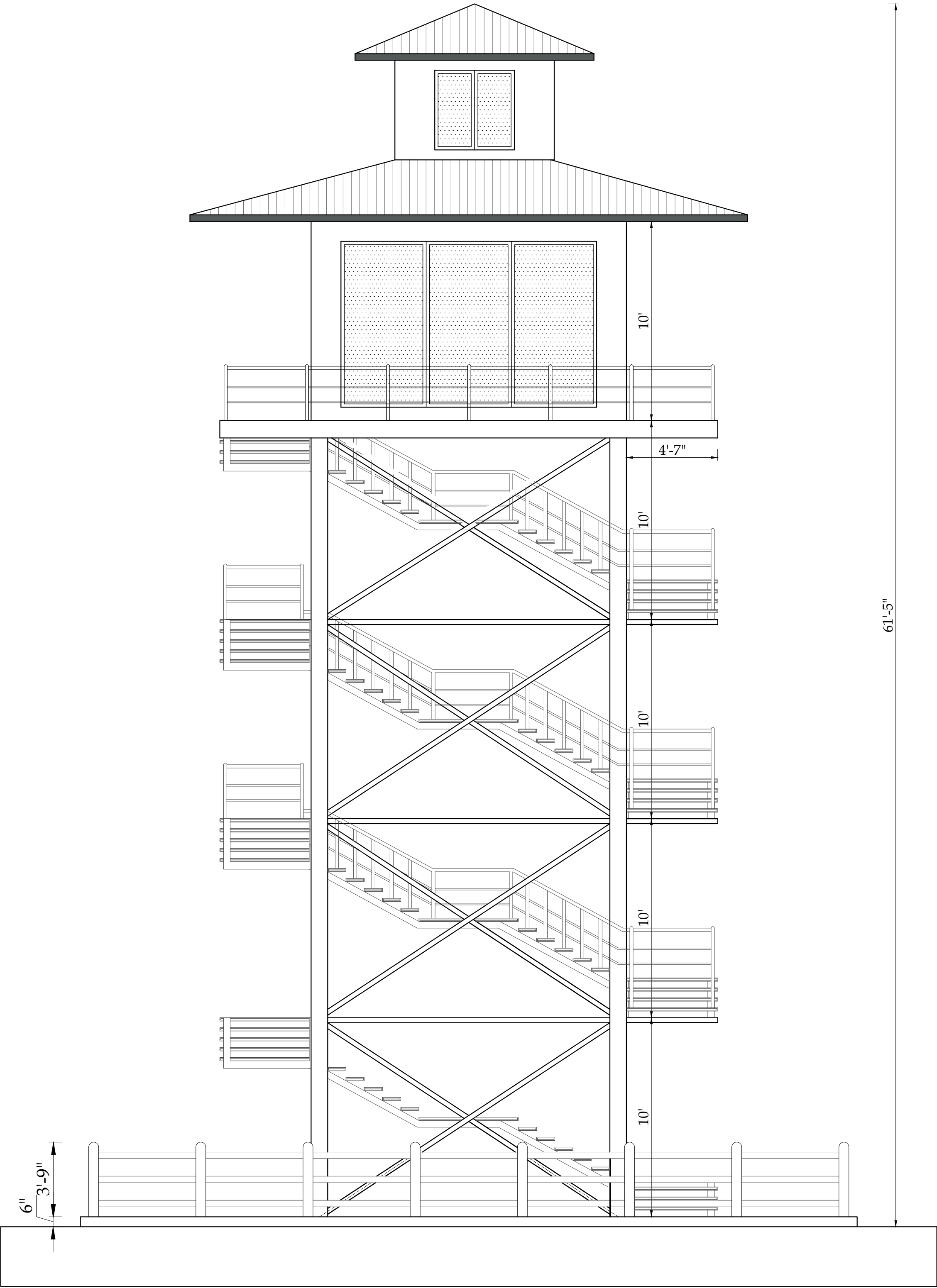
 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE				
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		MUDASSAR HUSSAIN		WATCH TOWER PLANS		AR-601					MARCH,2025				
										SCALE:	SHEET: A3								
						DESIGNED BY:													
						CHECKED BY:													
						APPROVED BY:													
						DATE:													
						MARCH - 2025													



ELEVATION-A

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)			MUDASSAR HUSSAIN		WATCH TOWER ELEVATION		AR-602					
									DESIGNED BY: MIR SHEHREYAR									MARCH,2025
									CHECKED BY: Ar.ZEESHAN ALI									
									APPROVED BY: Ar.ZEESHAN ALI									
						DATE: MARCH - 2025					SCALE:	SHEET:						
											A3							

ARCHITECTURAL WORKING DRAWINGS

PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)
REST ROOMS

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

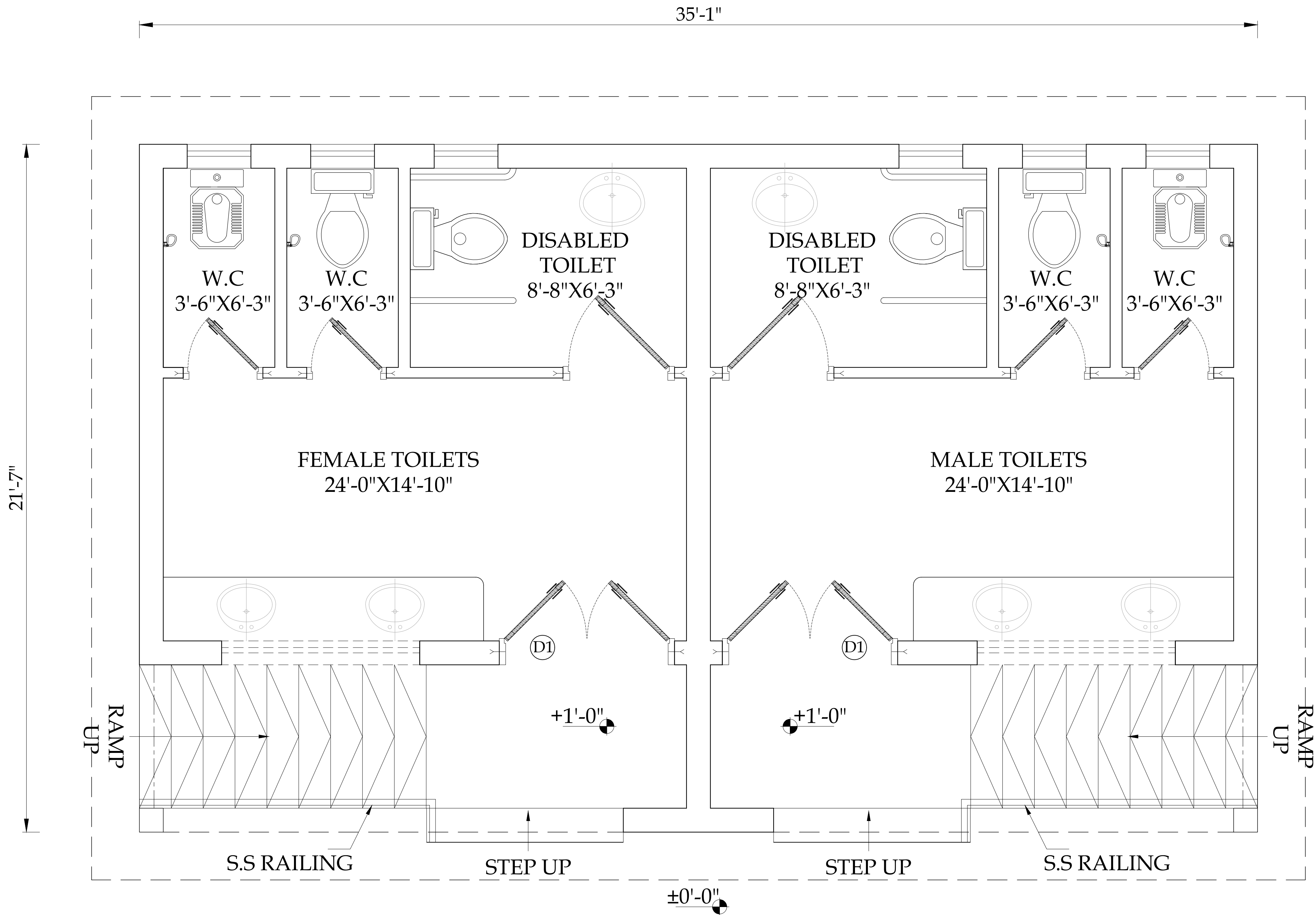


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PUNJAB (PVT) LTD (ECSP).**

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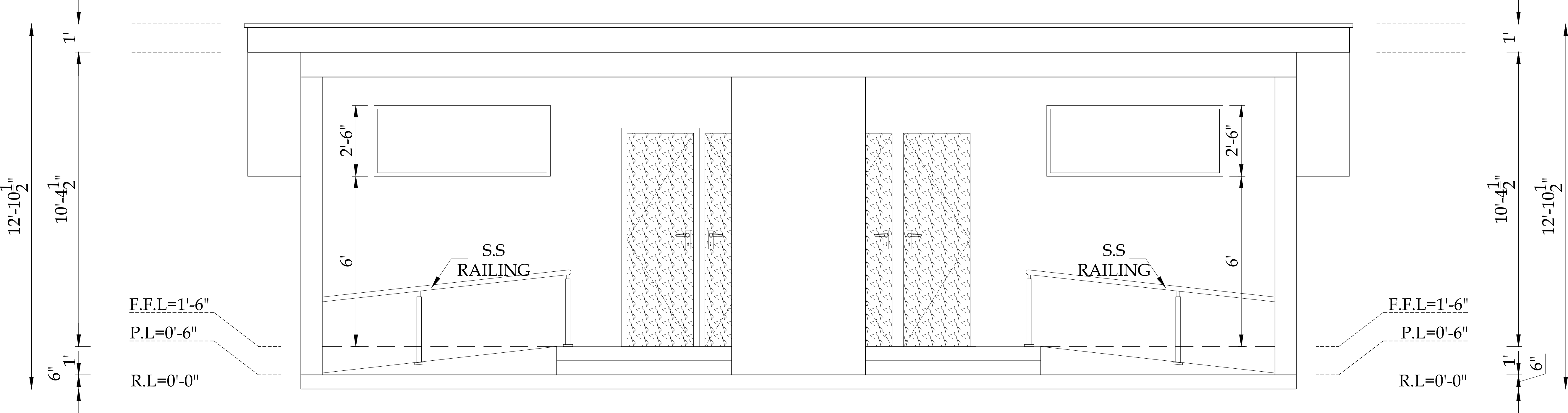
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TOILETS MAIN PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION		SIGN.	DATE			
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		MUDASSAR HUSSAIN		REST ROOM (3+3) LAYOUT PLAN		AR-701						MARCH,2025			
										SCALE:	SHEET: A3								
DESIGNED BY:		CHECKED BY:		APPROVED BY:		DATE:													
MIR SHEHREYAR		Ar.ZEESHAN ALI		Ar.ZEESHAN ALI		MARCH - 2025													



ELEVATION-A

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION		SIGN.	DATE
 	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)		MUDASSAR HUSSAIN		ELEVATION	AR-702							MARCH,2025
						DESIGNED BY: MIR SHEHREYAR										
						CHECKED BY: Ar.ZEESHAN ALI										
						APPROVED BY: Ar.ZEESHAN ALI										
						DATE: MARCH - 2025				SCALE:	SHEET: A3					

ARCHITECTURAL WORKING DRAWINGS

PROJECT

ECOTOURISM AT CHANGA MANGA AND RAMSAR SITES (UCHALI AND CHASHMA)
BOATING DECK

CLIENT:



GOVERNMENT OF THE PUNJAB



CONSULTANTS:

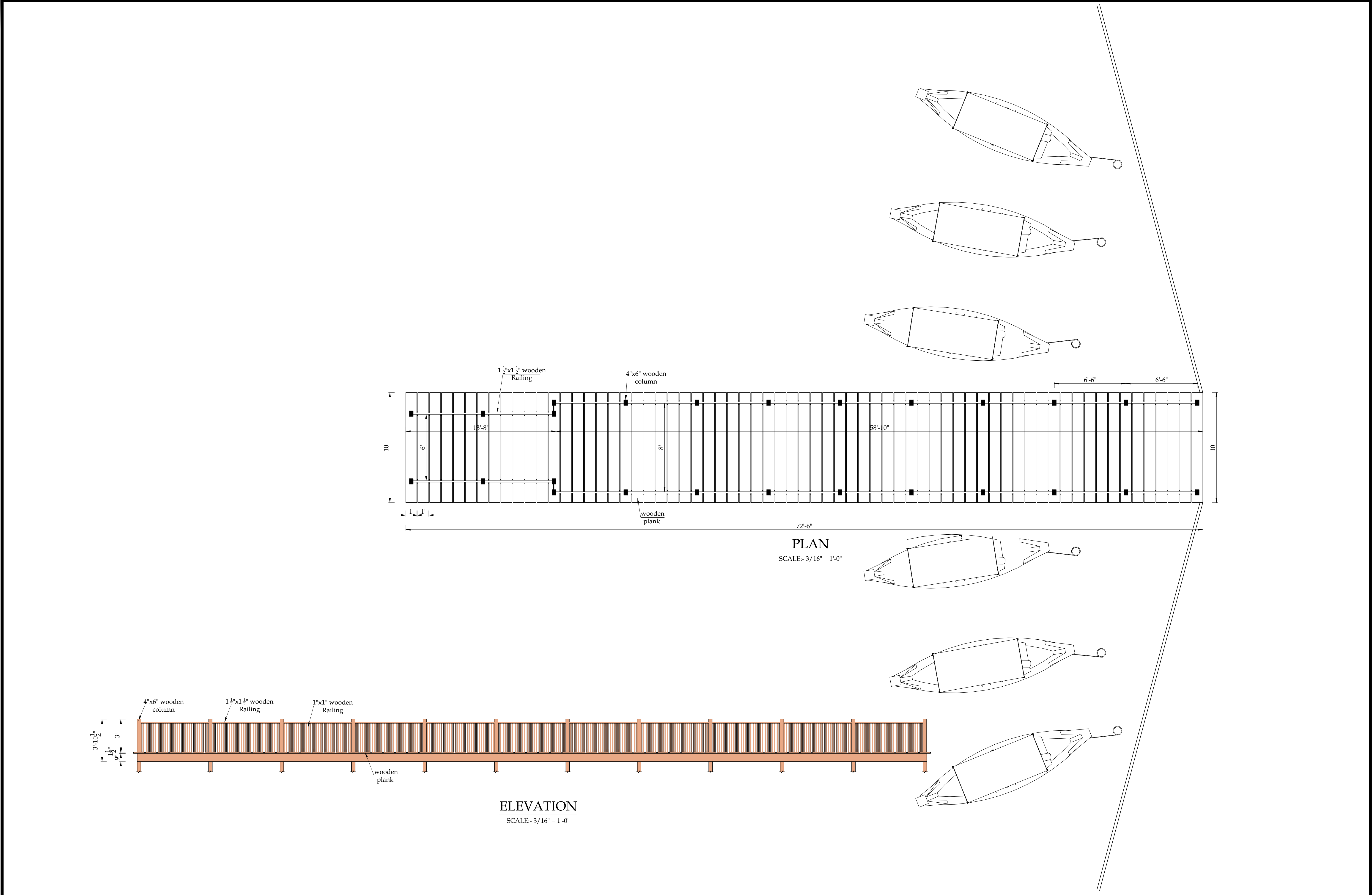


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PUNJAB (PVT) LTD (ECSP).**

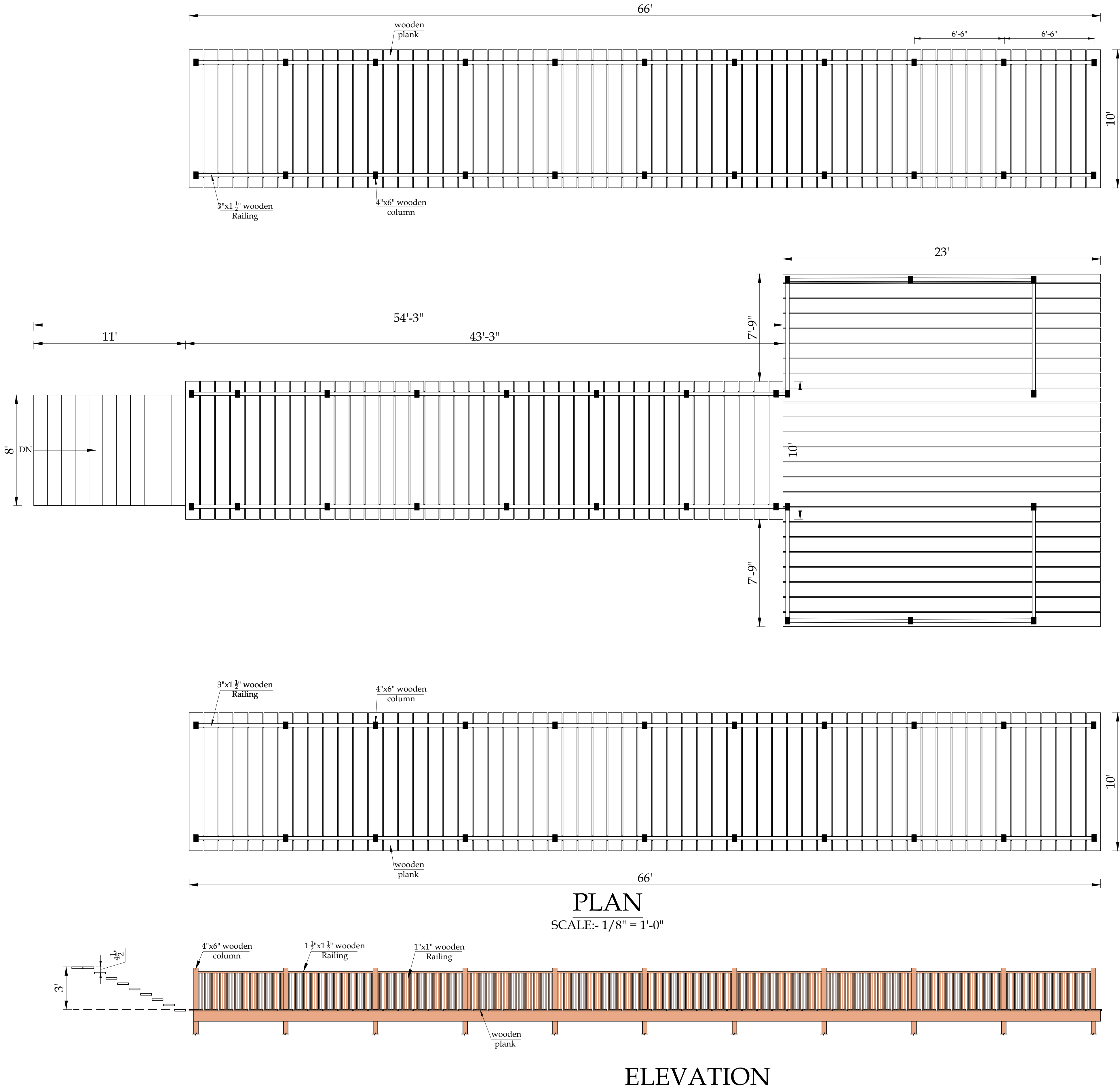
📍 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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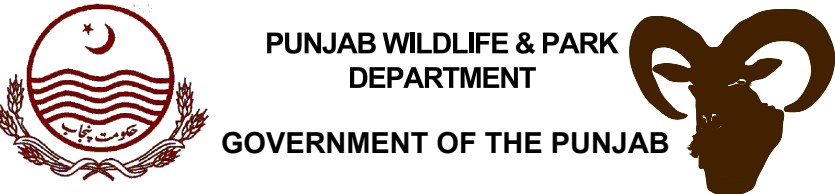
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CLIENT:  PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		CONSULTANTS:  ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk 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: BOATING DECK PLAN & ELEVATION		DRAWING NO: AR-801 SCALE: SHEET: A3	REV. DESCRIPTION SIGN. DATE	MARCH,2025	
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CLIENT:



CONSULTANTS:



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:

**PAINTING & PHOTOGRAPHY
DECK PLAN & ELEVATION**

DRAWING NO:

AR-802

SCALE:

SHEET:

A3

REV.

DESCRIPTION

SIGN.

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:

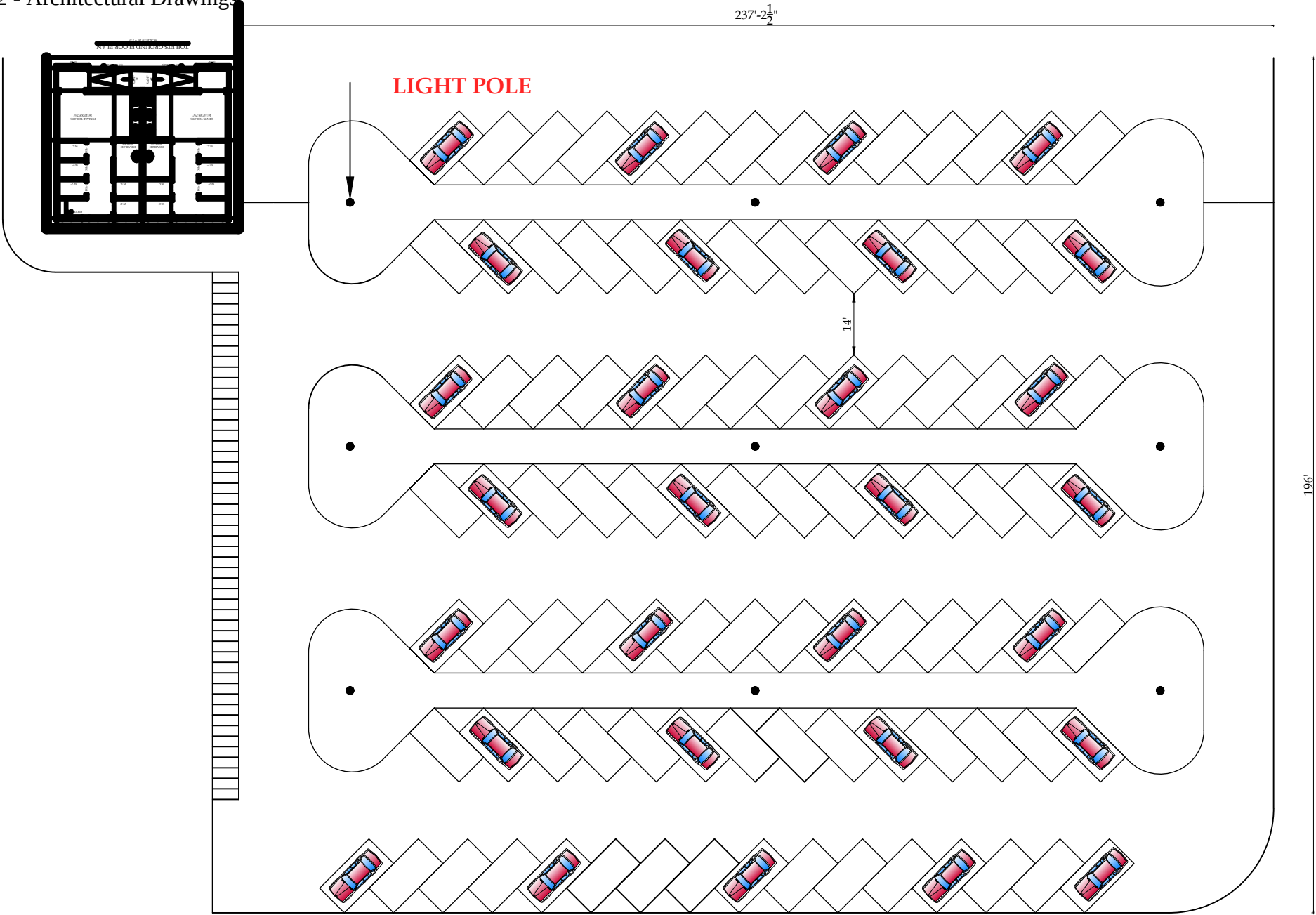


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CLIENT:



CONSULTANTS:



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:

CAR PARKING LAYOUT PLAN

DRAWING NO:

AR-901

SCALE:

SHEET:

A3

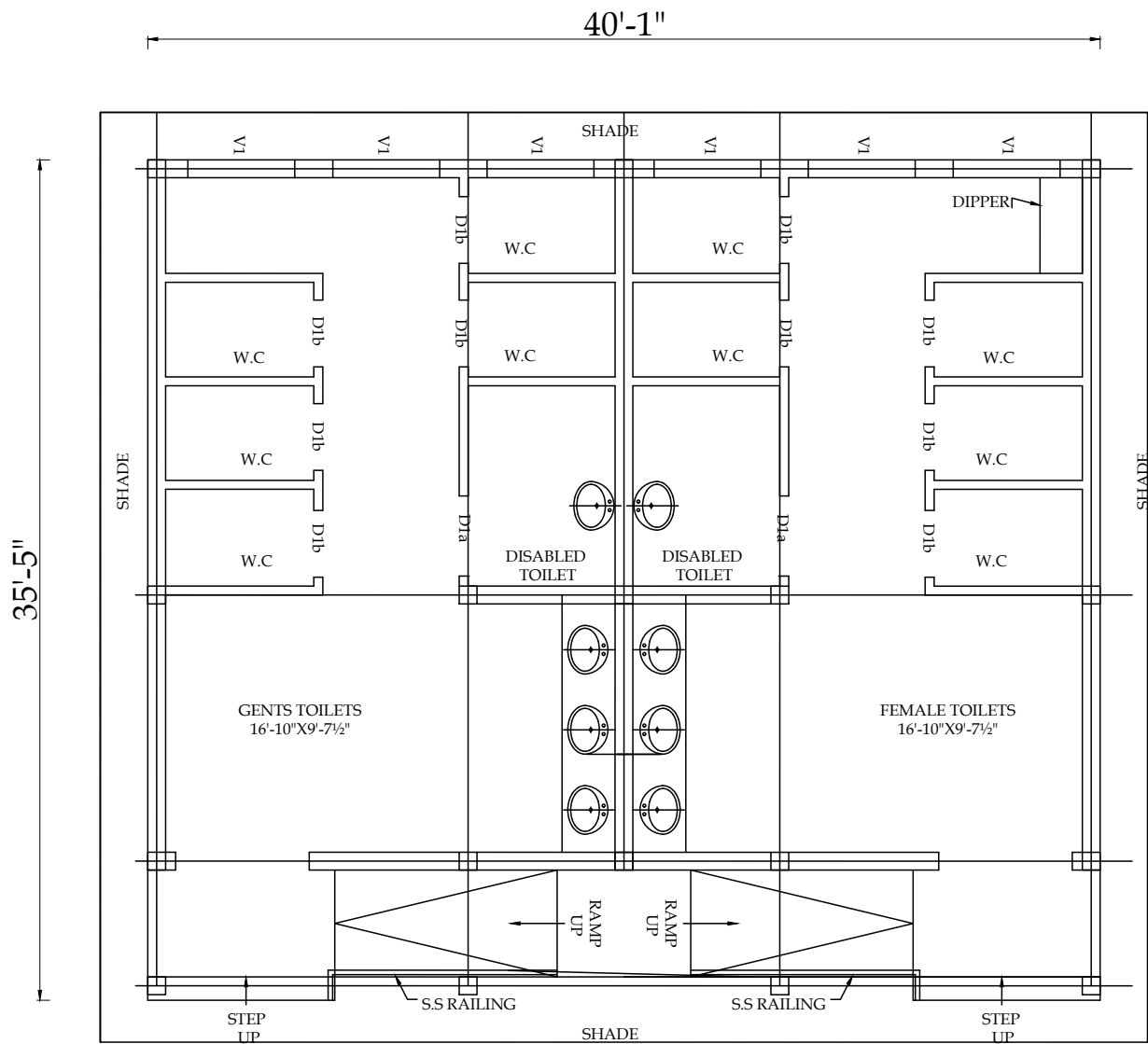
REV.

DESCRIPTION

SIGN.

DATE

MARCH, 2025



TOILETS LAYOUT PLAN

CLIENT:



CONSULTANTS:



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:

CAR PARKING TOILETS PLAN

DRAWING NO:

AR-902

SCALE:

SHEET:

A3

REV.

DESCRIPTION

SIGN.

DATE

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).

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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).

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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

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 DISCIPLINE DRAWINGS FOR SIZES AND LOCATION OF ALL STRUCTURAL MEMBERS, FLOORS, WALLS, OPENINGS, FLOOR FINISHES, PIPES ETC.

- 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 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 MILLIMETER 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 APPROVED DISPOSAL AREA AS DIRECTED BY THE ENGINEER.
- 7- ANY OVER EXCAVATED AREAS OR DOUBTFUL PATCHES, AS DIRECTED BY THE ENGINEER 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

Bar Size f _c (PSI)	#	03	04	05	06	07	08
3000		25	33	42	50	73	83

- 5- SPLICE LENGTH

Bar Size f _c (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 SPLICED 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/ft²/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 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 MILD 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.

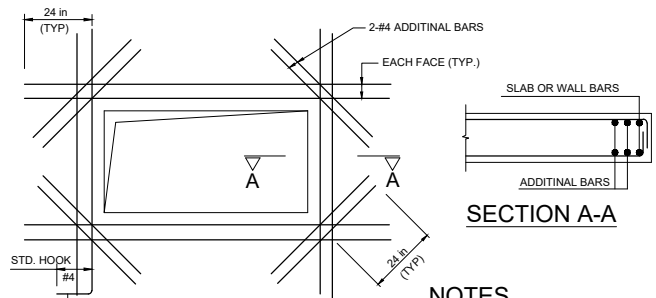
10-ELECTRICAL CONDUITS

- 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.



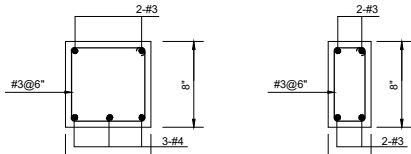
NOTES

- FOR OPENING WITH MAXIMUM DIMENSION OVER 60 in REFER TO OTHER DETAILS.
- USE THESE DETAILS IF NOT SHOWN IN DESIGN DRAWINGS.

NOTE

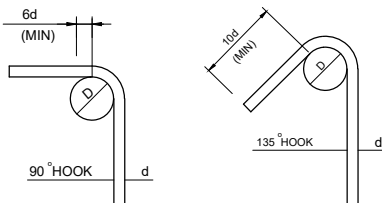
MAXIMUM DIAMETER OF SLEEVE IS 12 in FOR ADDITIONAL BARS AROUND LARGER SLEEVE REFER TO OTHER DETAILS.

13- LINTEL REINFORCEMENT DETAILS. (UP TO 72 in CLEAR SPAN)



14- STIRRUPS, HOOKS, SPLICES AND REINFORCEMENT

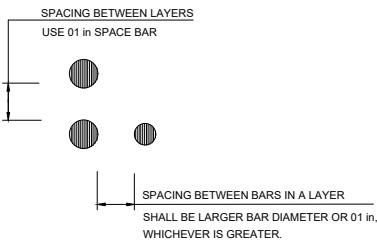
BAR SPACING DETAILS.



STIRRUPS AND TIE HOOKS

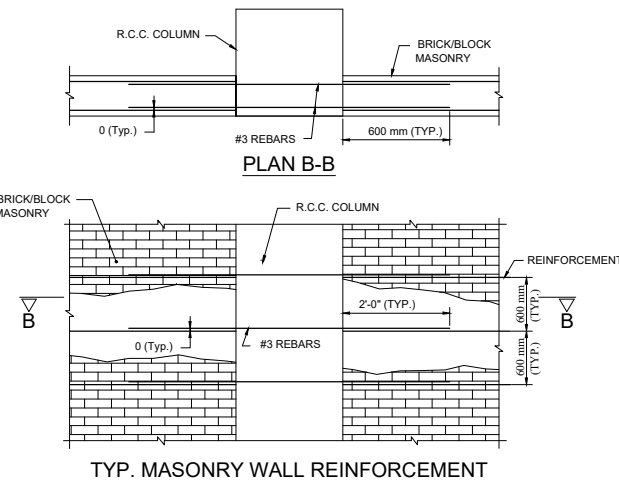


BEAM SPLICE (TYP.)

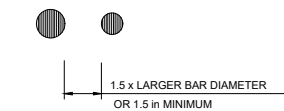


BAR SPACING IN BEAM

15- BRICK MASONRY REINFORCEMENT DETAIL.



COLUMN SPLICE (TYP.)



VERTICAL BAR SPACING IN COLUMNS

CLIENT:	CONSULTANTS:	PROJECT:	DRAWN BY:	M.ADNAN	DRAWING TITLE:	DRAWING NO:	REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	DESIGNED BY:	M. ASAD ULLAH	GENERAL NOTES	STR-01				
			CHECKED BY:	NAVEED NAZ		SCALE:				
			APPROVED BY:	SABIR HUSSAIN		SHEET:				
			DATE:	MARCH, 2025		A3				

PROPOSED STRUCTURAL DRAWINGS FOR PC-1

PROJECT

UCHALI LAKE

RESTAURANT

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

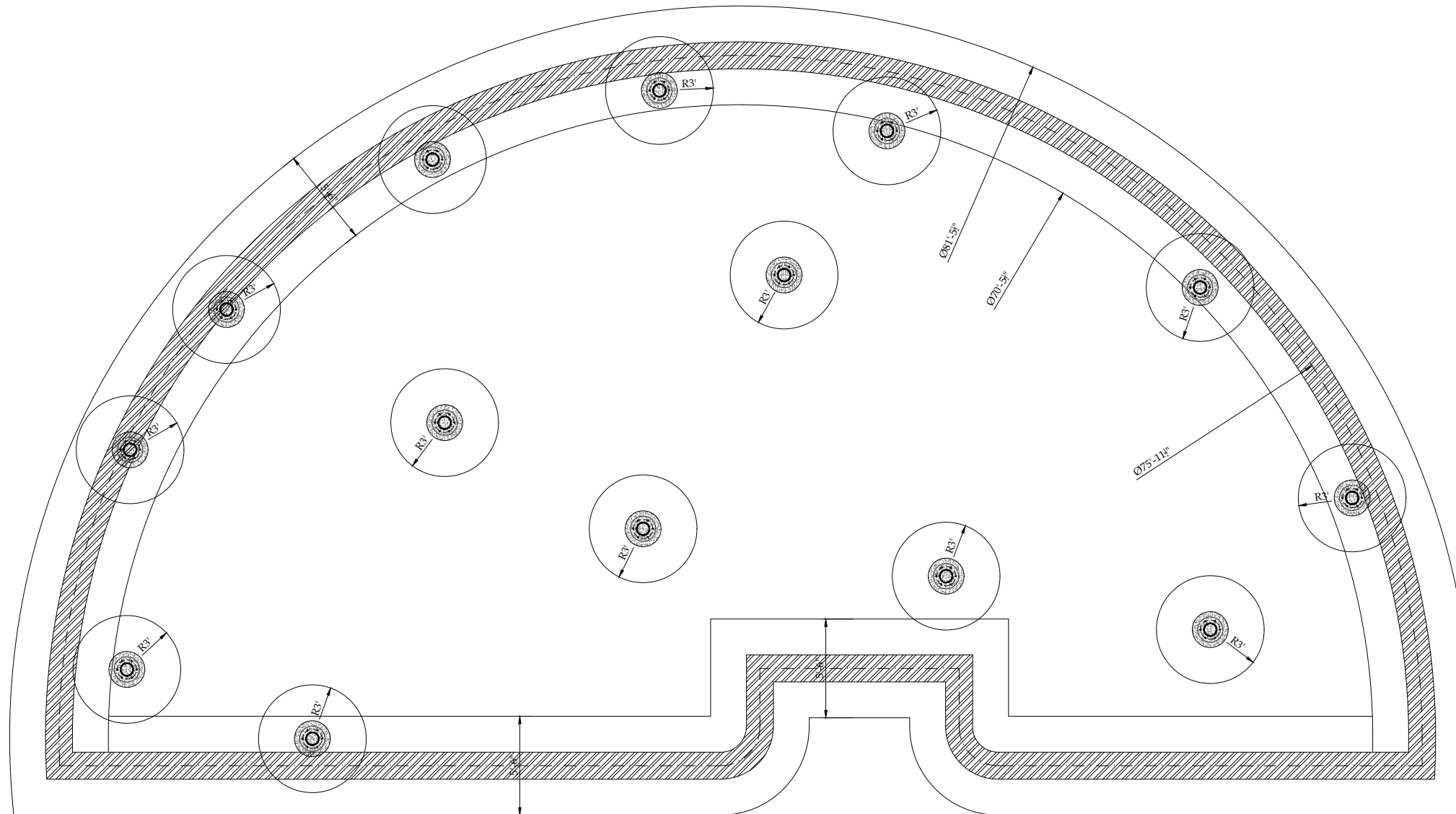


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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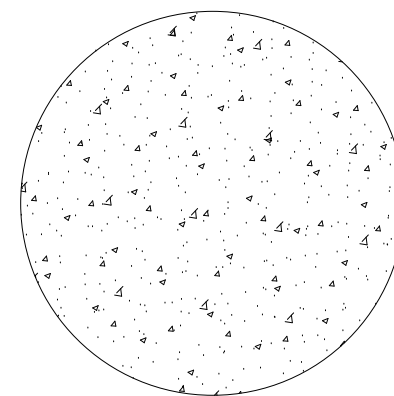
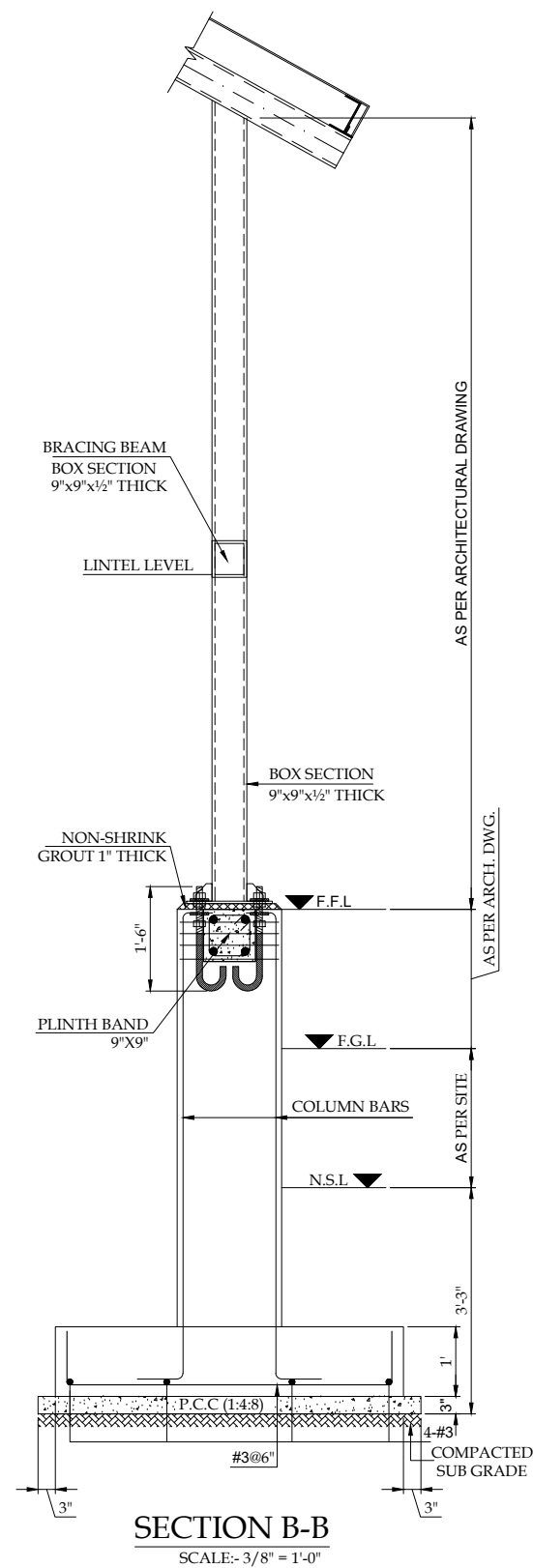
info@ecsp.com.pk www.ecsp.com.pk



FOUNDATION LAYOUT PLAN

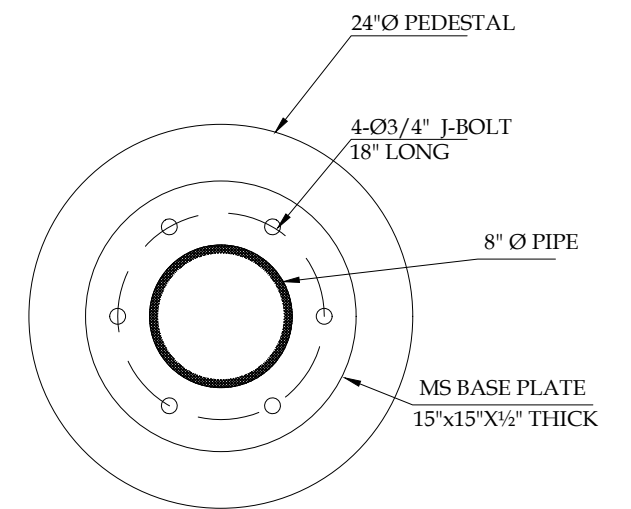
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CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT  GOVERNMENT OF THE PUNJAB	 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	UCHALI LAKE	M.ADNAN		RESTURANT		STR-01		SCALE:	SHEET: A3					
			DESIGNED BY: M. ASAD ULLAH												
			CHECKED BY: NAVEED NAZ		FOUNDATION LAYOUT PLAN										
			APPROVED BY: SABIR HUSSAIN												
			DATE: MARCH, 2025												



PEDESTAL P-1

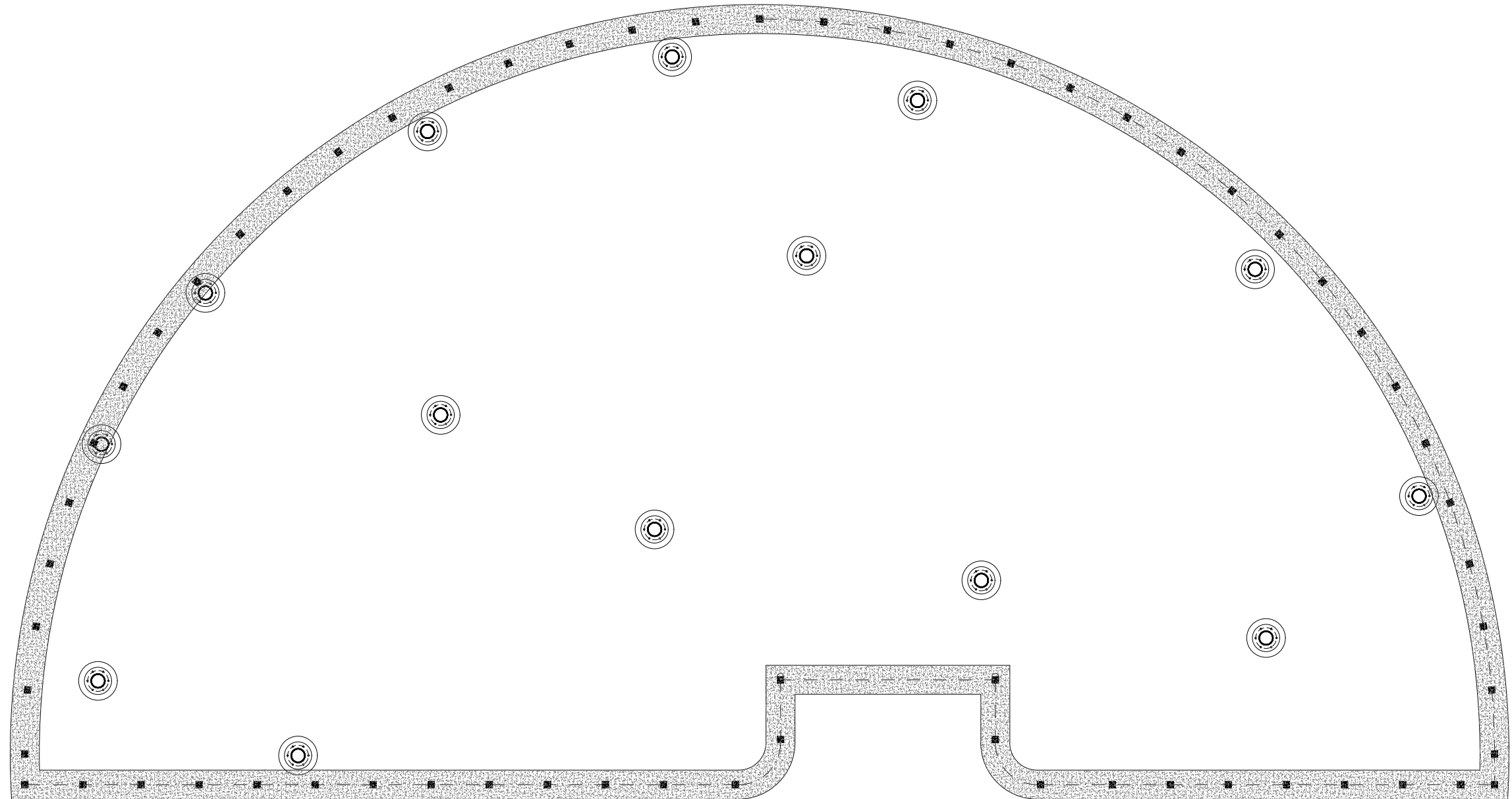
SCALE:- 1" = 1'-0"



PEDESTAL P-1

SCALE:- 1" = 1'-0"

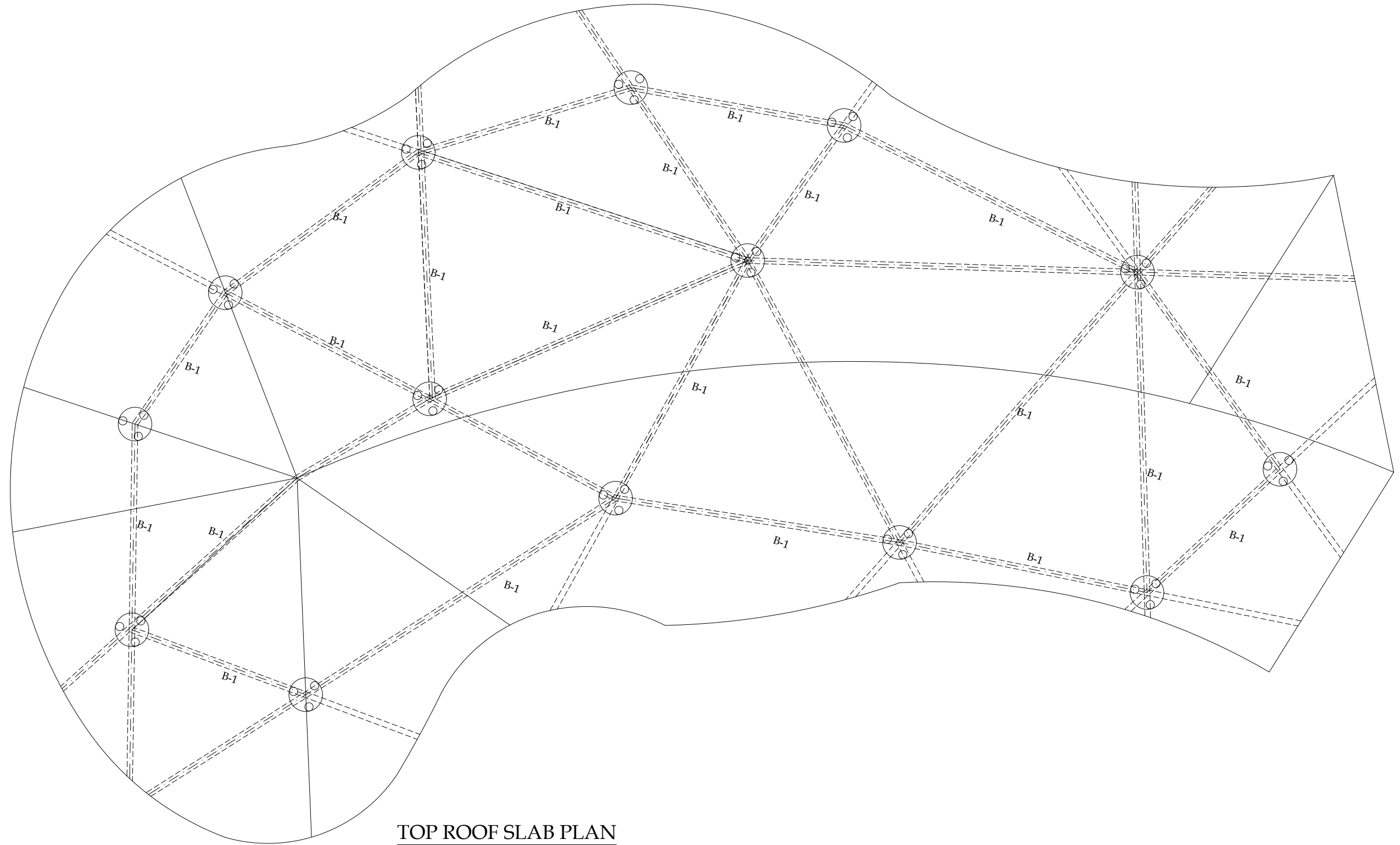
CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		UCHALI LAKE		DRAWN BY: M.ADNAN		RESTURANT		STR-02					
						DESIGNED BY: M. ASAD ULLAH		FOUNDATION SECTIONAL DETAIL		SCALE:		SHEET:			
						CHECKED BY: NAVEED NAZ						A3			
						APPROVED BY: SABIR HUSSAIN									
						DATE: MARCH, 2025									



PEDESTAL LAYOUT PLAN

SCALE:- 3/16" = 1'-0"

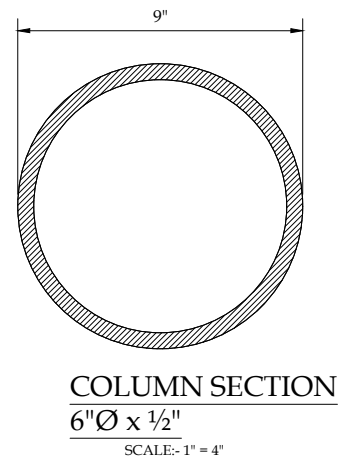
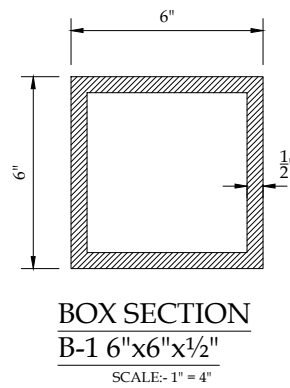
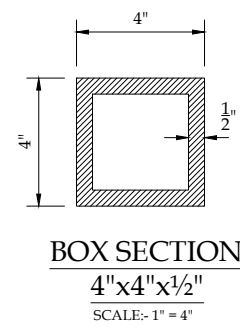
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 PUNJAB WILDLIFE & PARK DEPARTMENT  GOVERNMENT OF THE PUNJAB	 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	UCHALI LAKE	M.ADNAN		RESTURANT PEDESTAL LAYOUT PLAN		STR-03		SCALE:	SHEET: A3					
			M. ASAD ULLAH												
			NAVEED NAZ												
			SABIR HUSSAIN												
			MARCH, 2025												



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: UCHALI LAKE	DRAWN BY: M.ADNAN		DRAWING TITLE: RESTURANT TOP ROOF SLAB PLAN	DRAWING NO: STR-04	REV.	DESCRIPTION	SIGN.	DATE
			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

UCHALI LAKE

INFORMATION CENTER

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

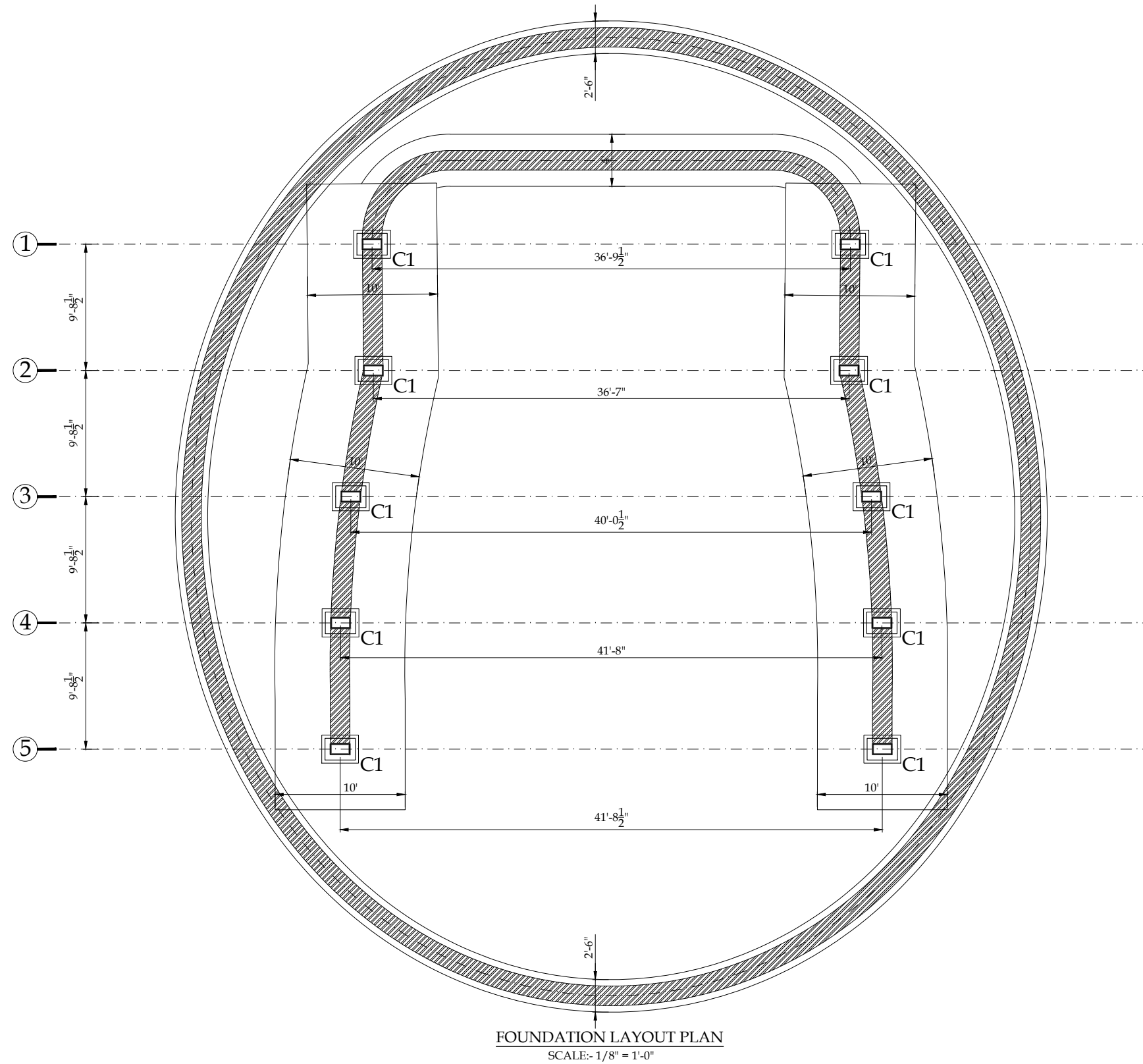


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

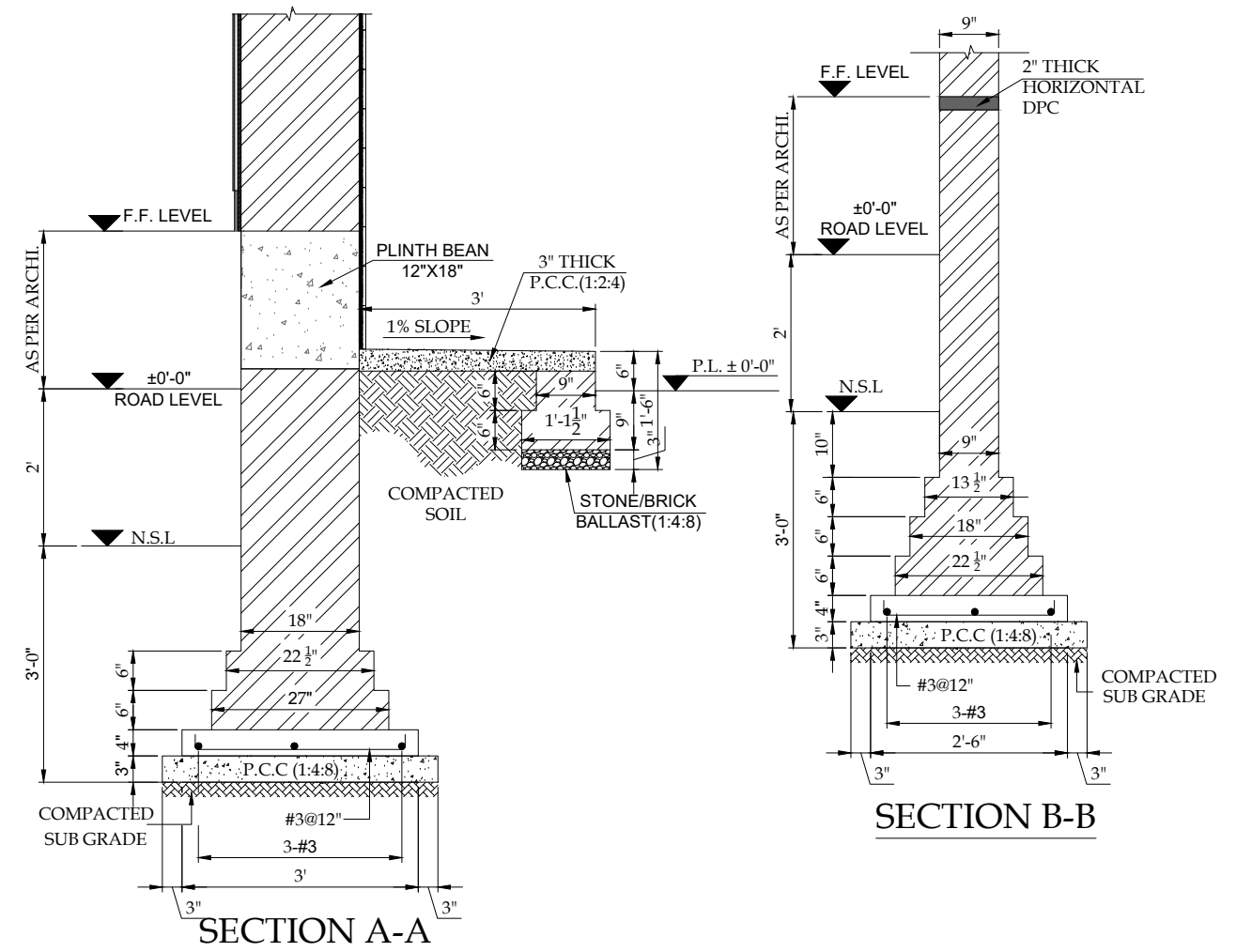
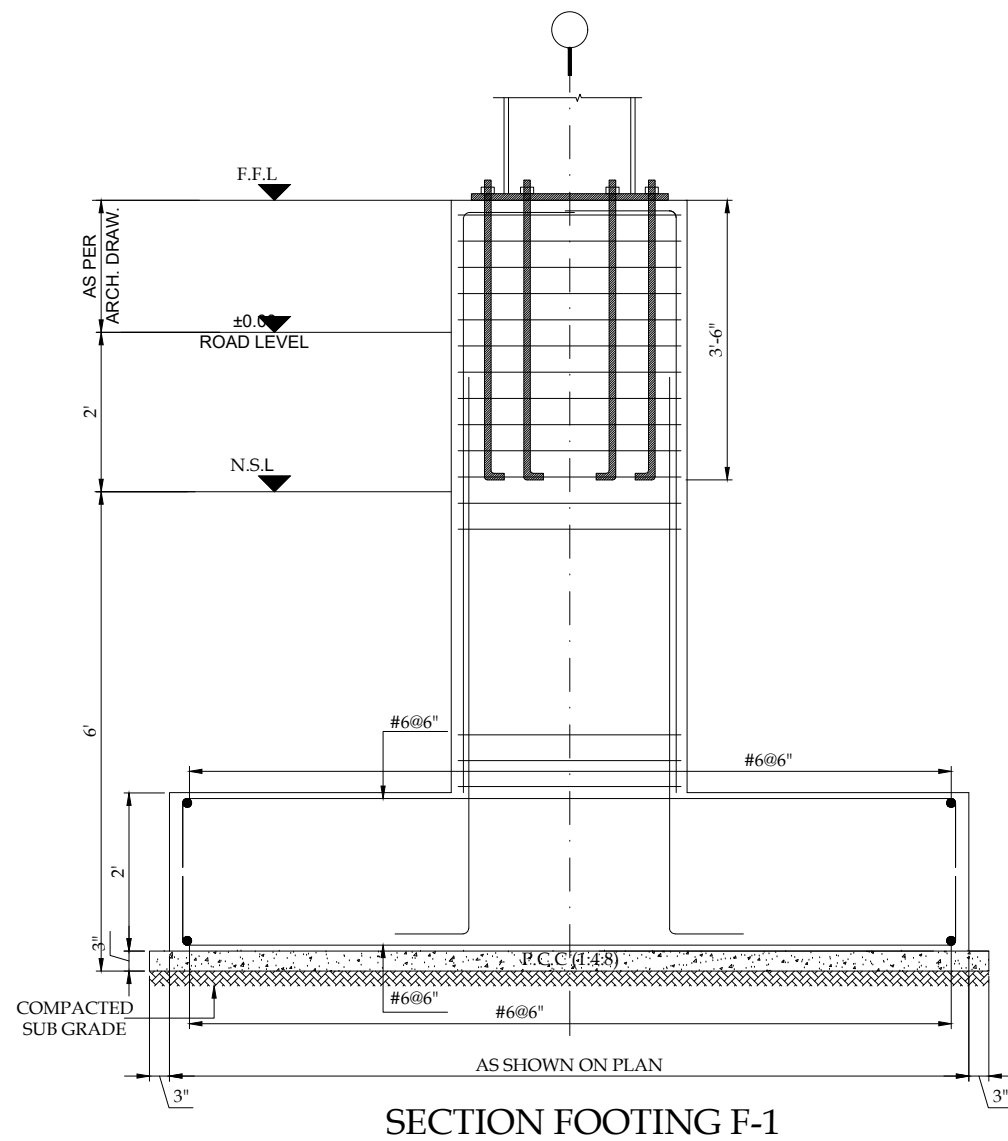
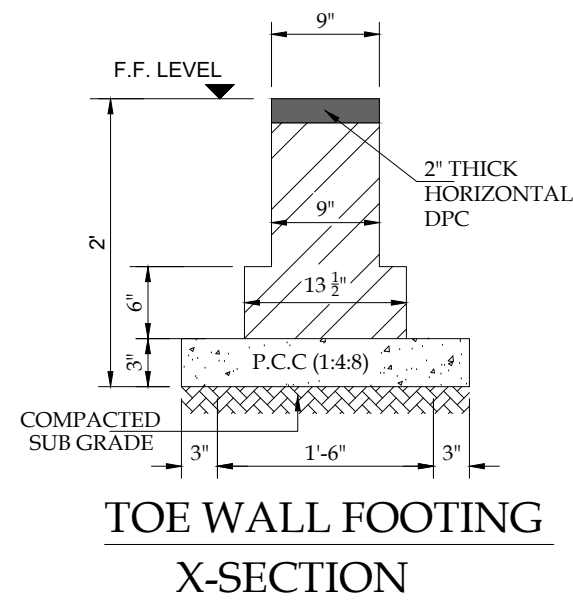
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

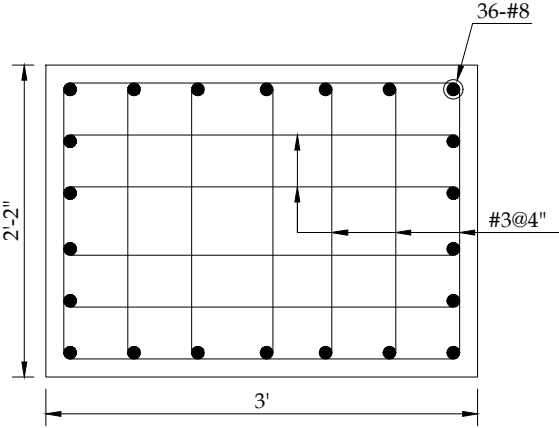
info@ecsp.com.pk www.ecsp.com.pk



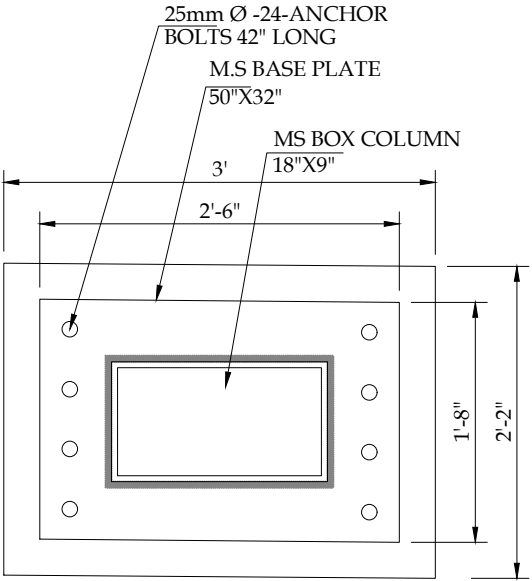
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 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk			UCHALI LAKE			M.ADNAN			INFORMATION CENTER			STR-01					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
									DATE: MARCH, 2025											
									FOUNDATION LAYOUT PLAN			SCALE:	SHEET:							
													A3							



CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE			
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			DESIGNED BY:			M. ADNAN			INFORMATION CENTER			STR-02					
						CHECKED BY:			M. ASAD ULLAH			FOUNDATION SECTIONAL DETAIL											
						APPROVED BY:			NAVEED NAZ						SCALE:		SHEET:						
						DATE:			SABIR HUSSAIN						A3		A3						
						MARCH, 2025																	

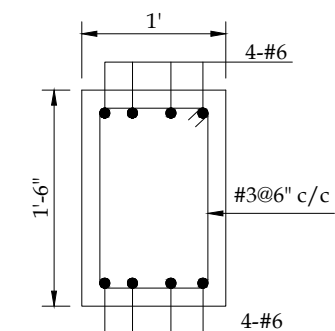
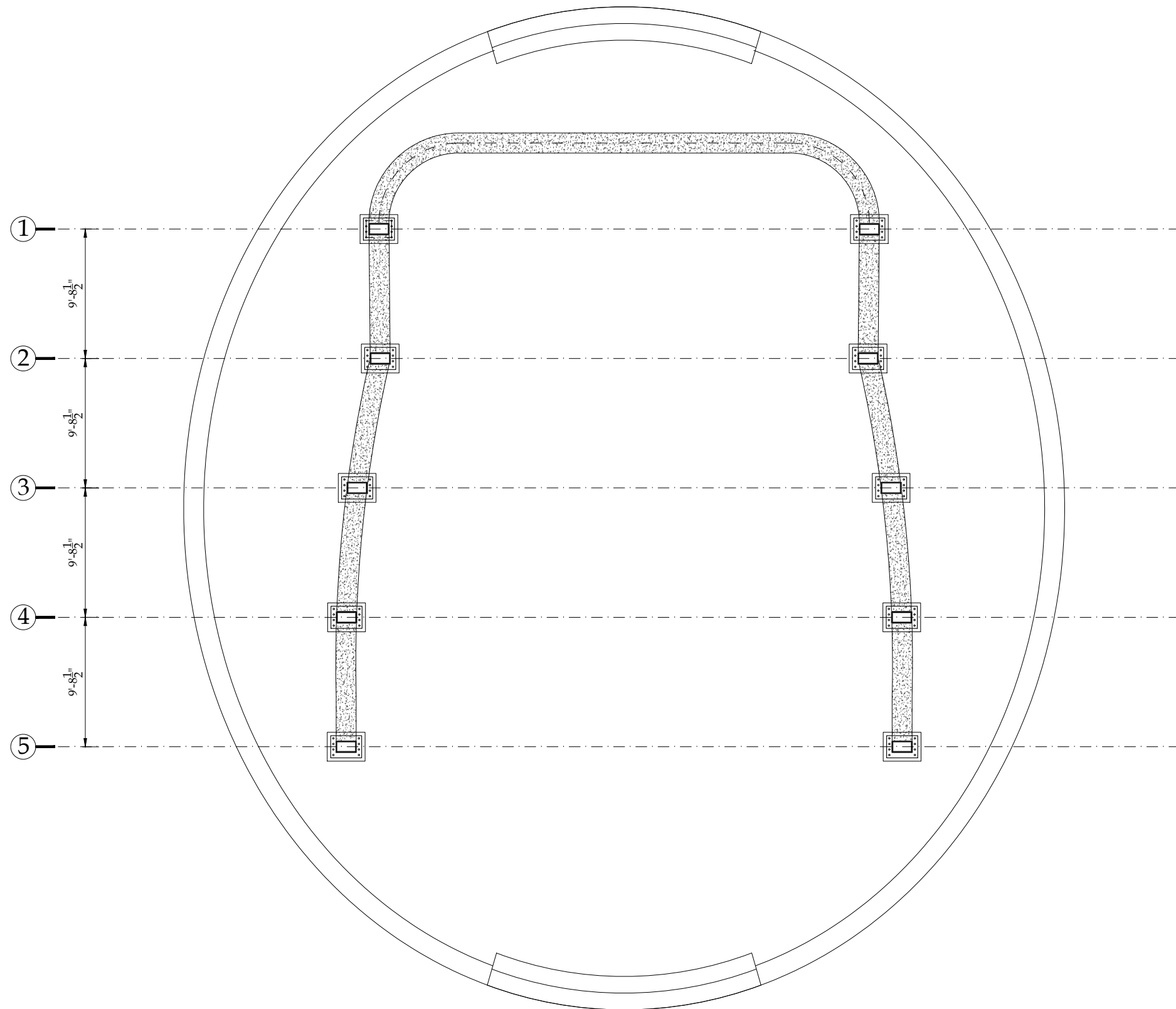


COLUMN C1



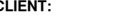
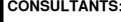
M.S BASE PLATE
FOR COLUMN C1

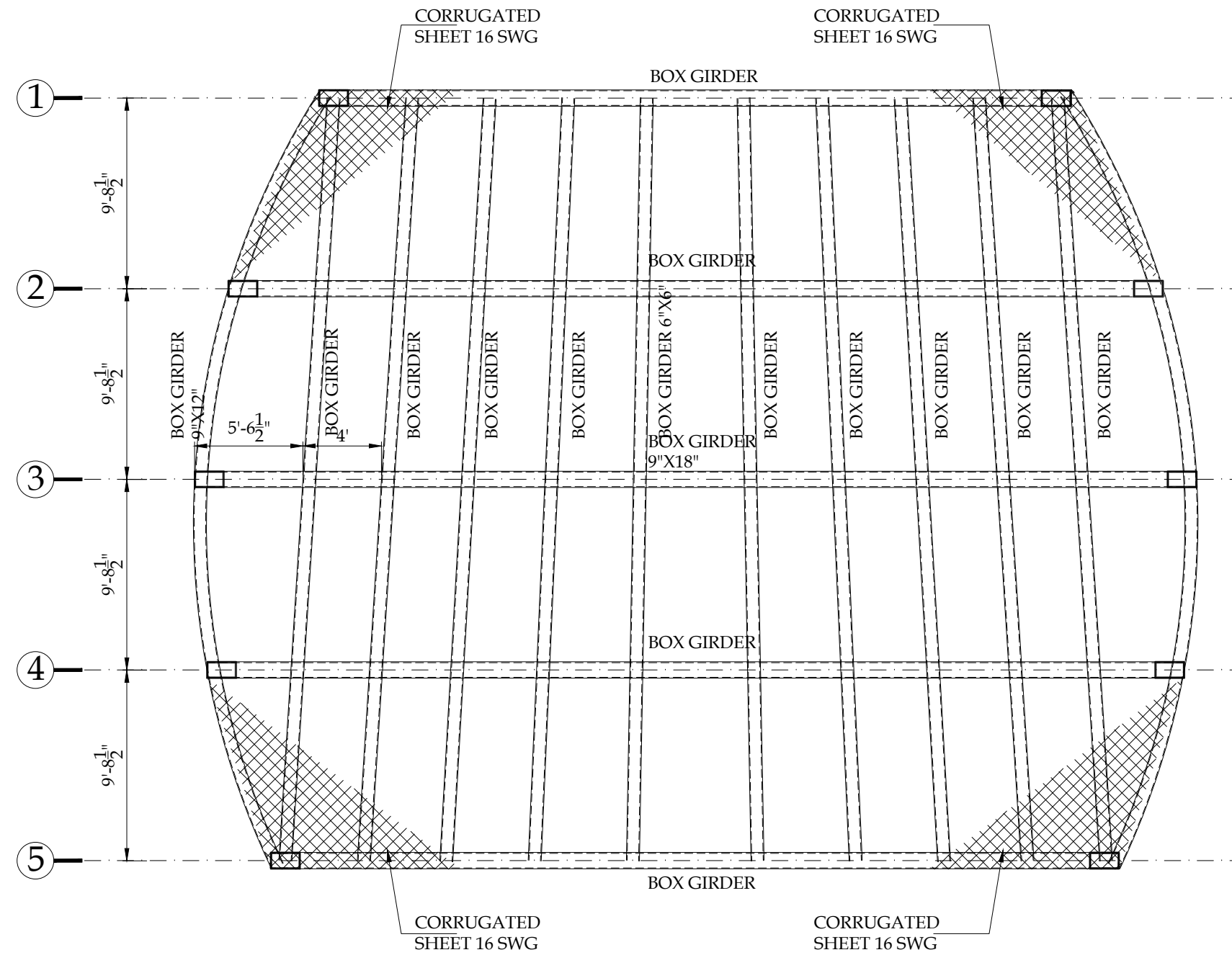
CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	PROJECT: UCHALI LAKE	DRAWN BY: M.ADNAN	DESIGNED BY: M. ASAD ULLAH	CHECKED BY: NAVEED NAZ	APPROVED BY: SABIR HUSSAIN	DATE: MARCH, 2025	DRAWING TITLE: INFORMATION CENTER COLUMN SECTIONAL DETAIL	DRAWING NO: STR-03	SCALE:	SHEET: A3	REV.	DESCRIPTION	SIGN.	DATE



PLINTH BEAM
PB-1

PLINTH BEAMS FRAMING PLAN
SCALE:- 1/8" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		DESIGNED BY:		INFORMATION CENTER		STR-04					
						CHECKED BY:		PLINTH BEAMS FRAMING PLAN & SECTIONAL DETAIL		SCALE:		SHEET:			
						APPROVED BY:						A3			
						DATE:		MARCH, 2025							



MS ROOF PLAN
SCALE:- 1/8" = 1'-0"

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			M.ADNAN			INFORMATION CENTER			STR-05					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
									DATE: MARCH, 2025											
									MS ROOF PLAN			SCALE:	SHEET:							
													A3							

PROPOSED STRUCTURAL DRAWINGS FOR PC-1

PROJECT

UCHALI LAKE

STAR GAZING TOWER

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

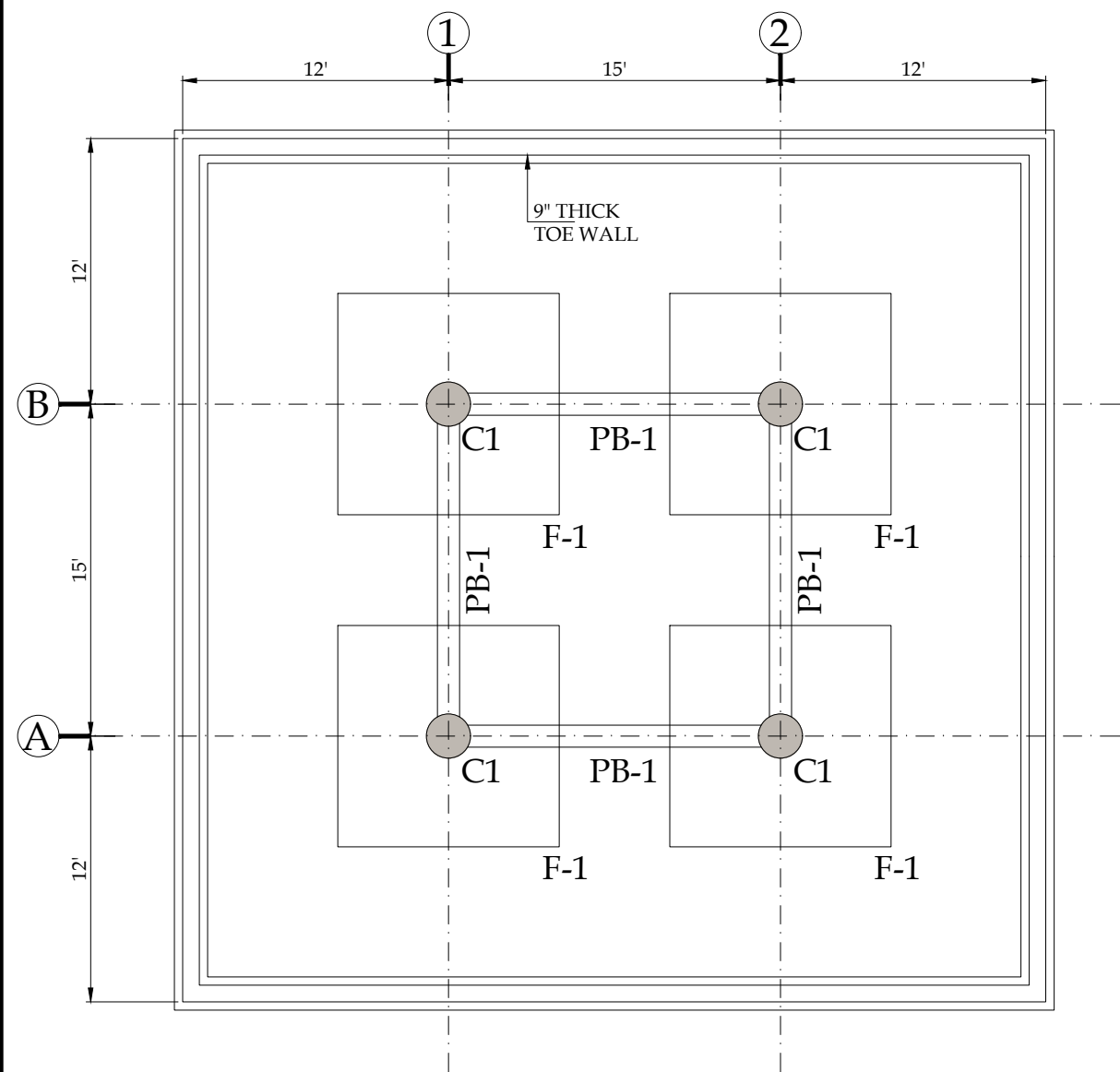


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

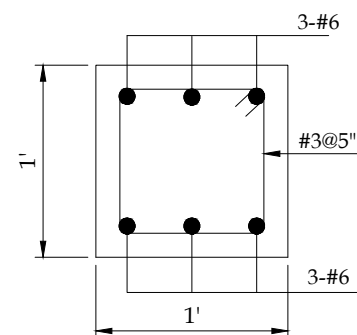
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

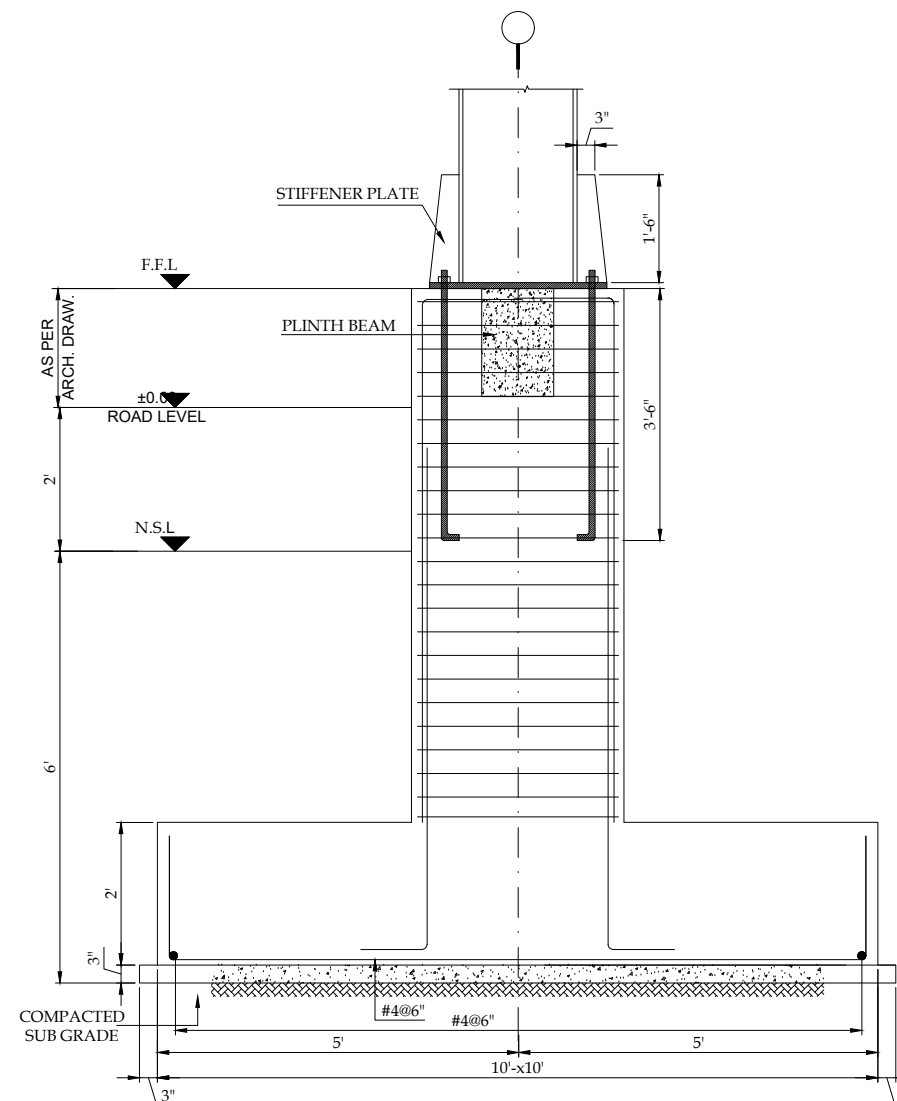


FOUNDATION LAYOUT PLAN

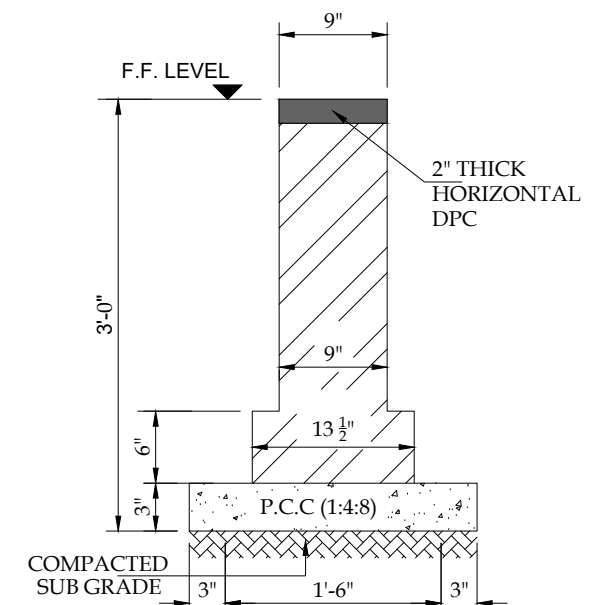


PLINTH BEAM PB-1

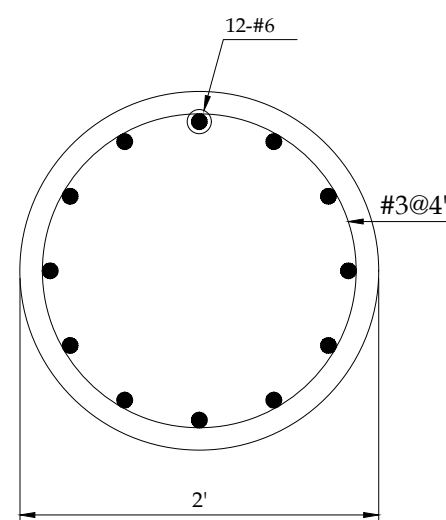
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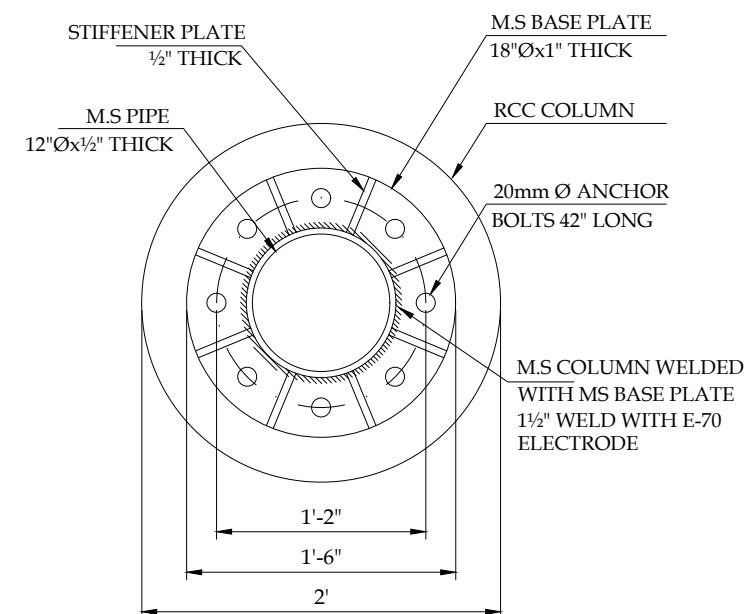
SECTION FOOTING F-1



TOE WALL FOOTING
X-SECTION

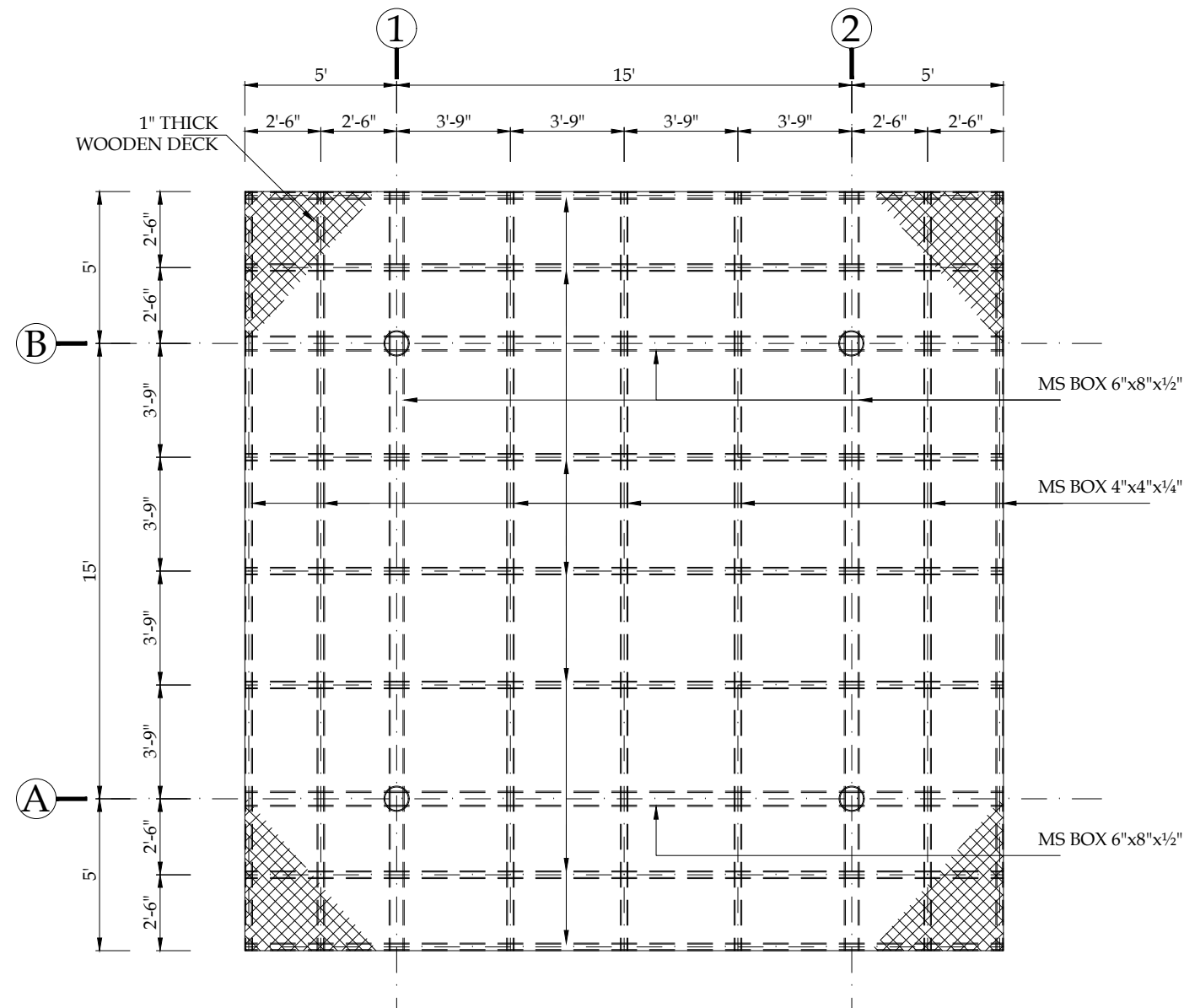


COLUMN C1

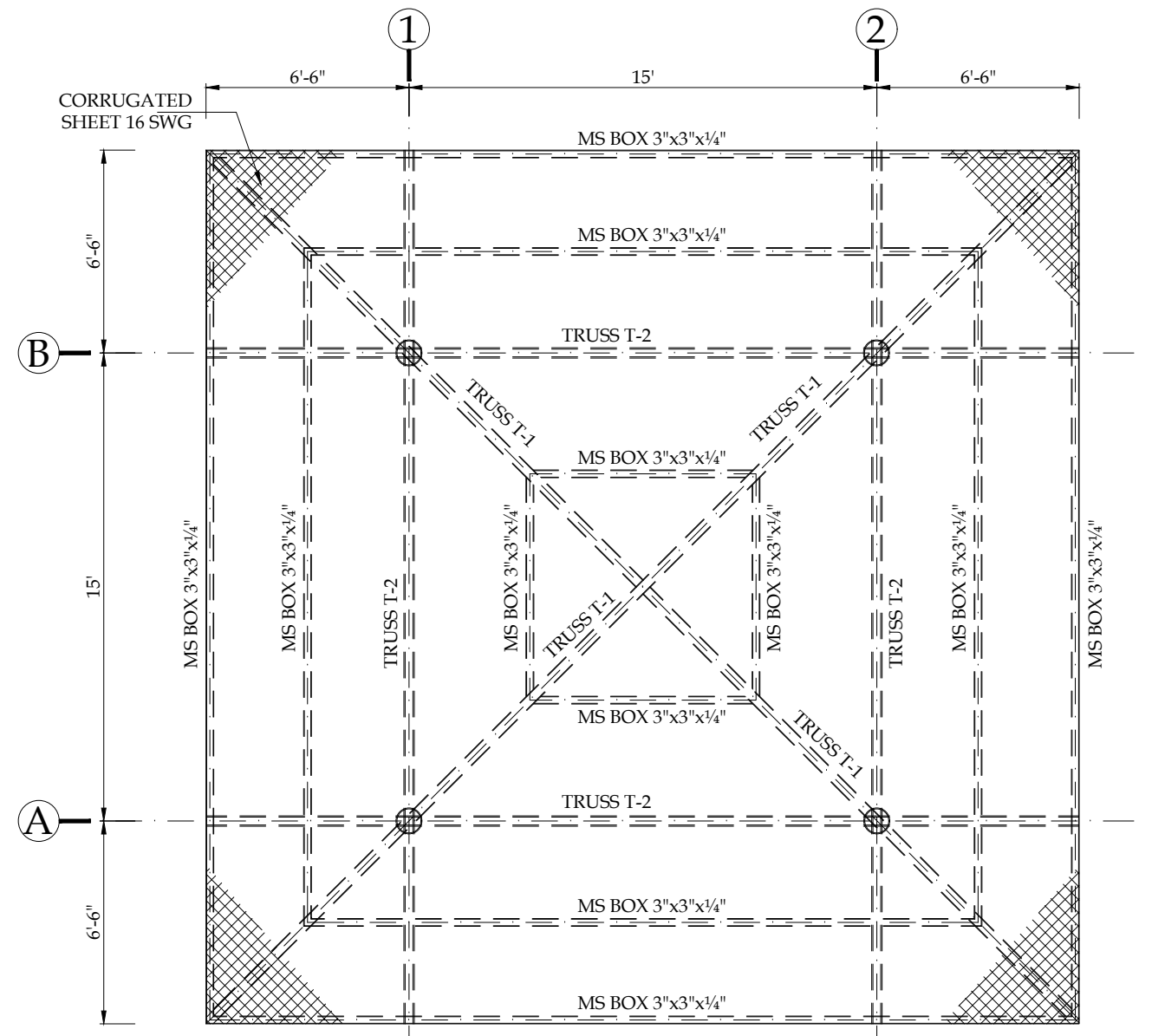


M.S BASE PLATE
DETAIL

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			M.ADNAN			STAR GAZING TOWER			STR-01					
									M. ASAD ULLAH											
									NAVEED NAZ											
									SABIR HUSSAIN											
						DATE:			MARCH, 2025			SCALE:		SHEET:						
												FOUNDATION LAYOUT PLAN AND DETAILS			A3					

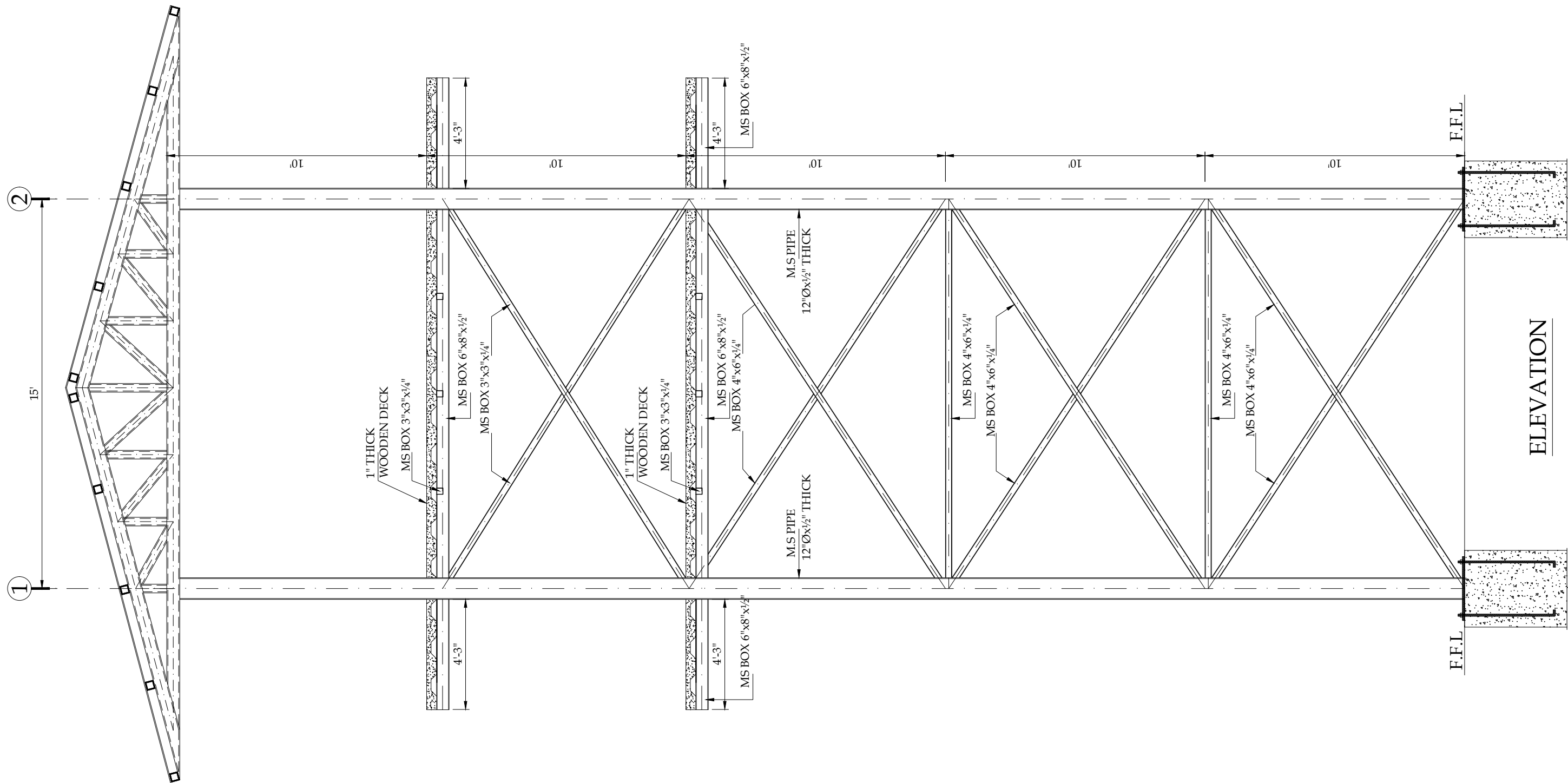


MS SLAB FRAMING PLAN

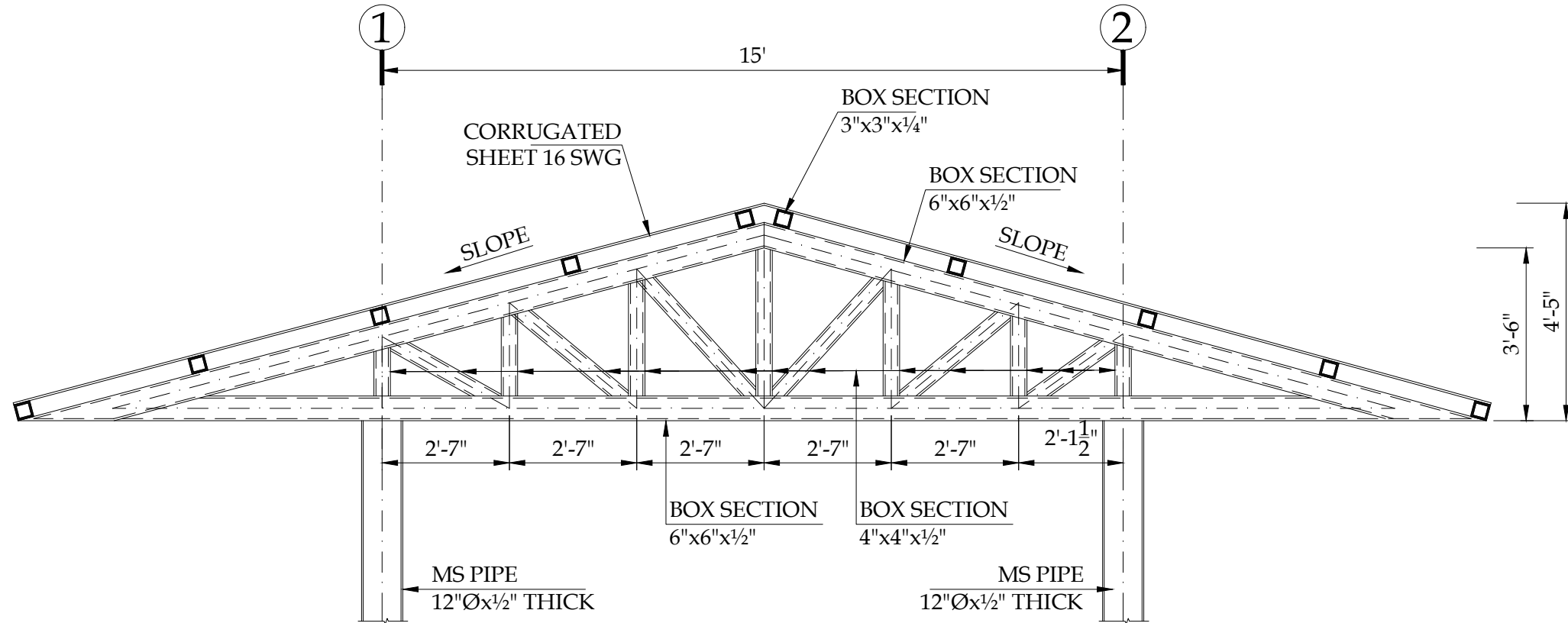


MS TOP ROOF FRAMING PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		DRAWN BY: M.ADNAN		STAR GAZING TOWER		STR-02					
						DESIGNED BY: M. ASAD ULLAH		MS SLAB FRAMING PLANS		SCALE:		SHEET:			
						CHECKED BY: NAVEED NAZ				A3					
						APPROVED BY: SABIR HUSSAIN									
						DATE: MARCH, 2025									

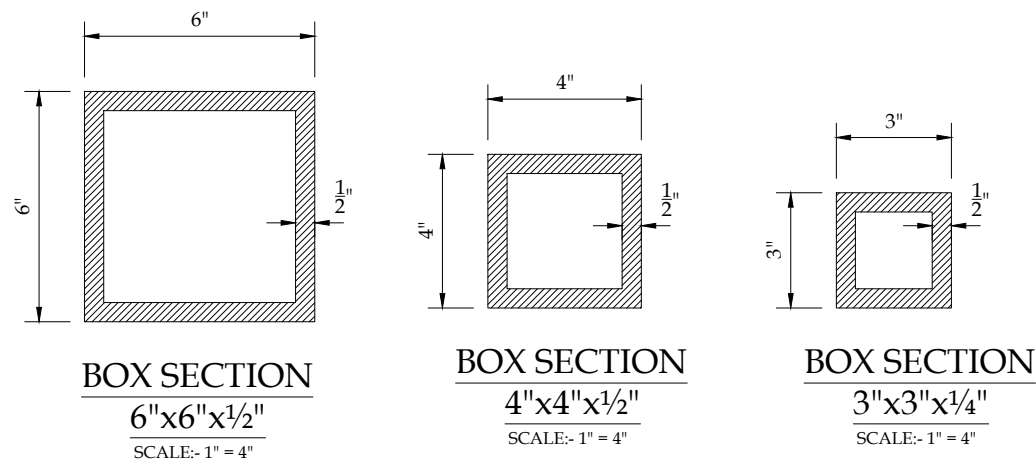


CLIENT:  PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	CONSULTANTS:  ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	PROJECT: UCHALI LAKE	DRAWN BY: M.ADNAN	DRAWING TITLE: STAR GAZING TOWER ELEVATION	DRAWING NO: STR-03	REV.	DESCRIPTION	SIGN.	DATE
						SCALE:	SHEET:		
			DESIGNED BY: M. ASAD ULLAH				A3		
			CHECKED BY: NAVEED NAZ						
			APPROVED BY: SABIR HUSSAIN						
			DATE: MARCH, 2025						



TRUSS ELEVATION TR-1

SCALE:- 1/4" = 1'-0"



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
		 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		M.ADNAN		STAR GAZING TOWER MS TRUSS ELEVATION AND DETAILS		STR-04					
						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

UCHALI LAKE

REST ROOMS (6+6)

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

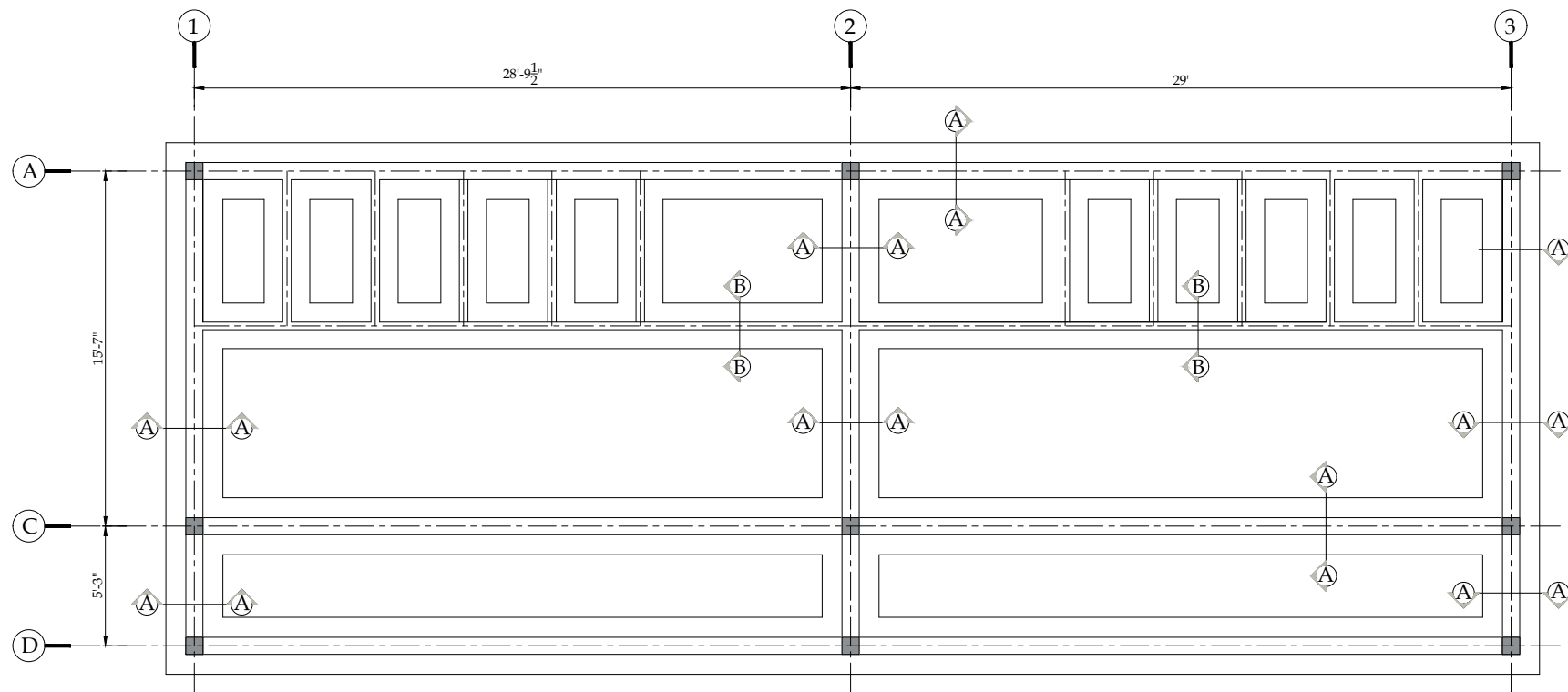


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PUNJAB (PVT) LTD (ECSP).

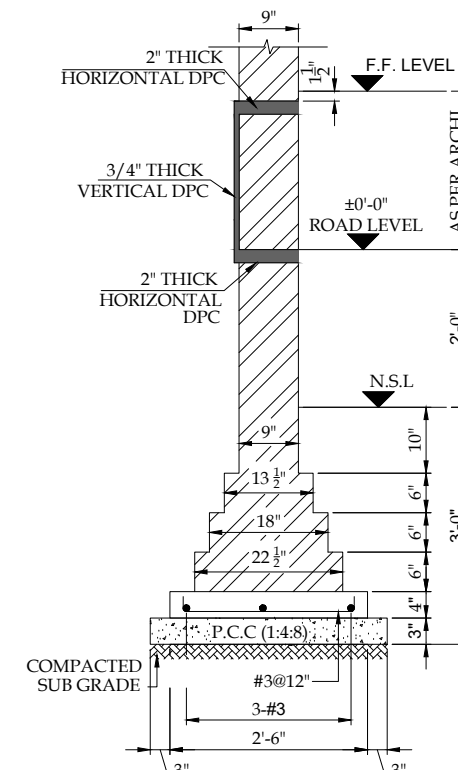
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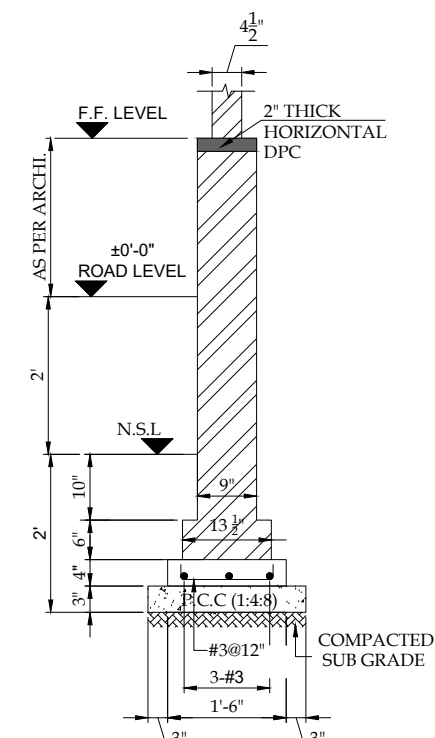
info@ecsp.com.pk www.ecsp.com.pk



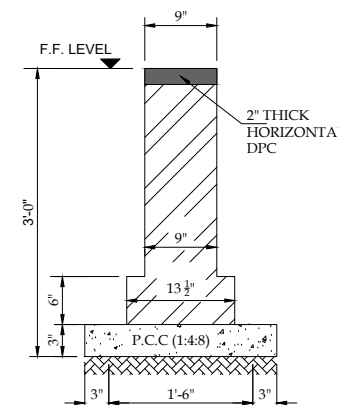
FOUNDATION LAYOUT PLAN



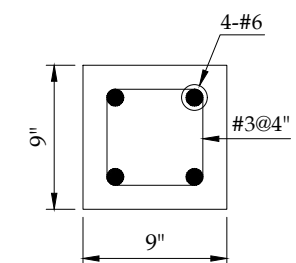
SECTION A-A



SECTION B-B

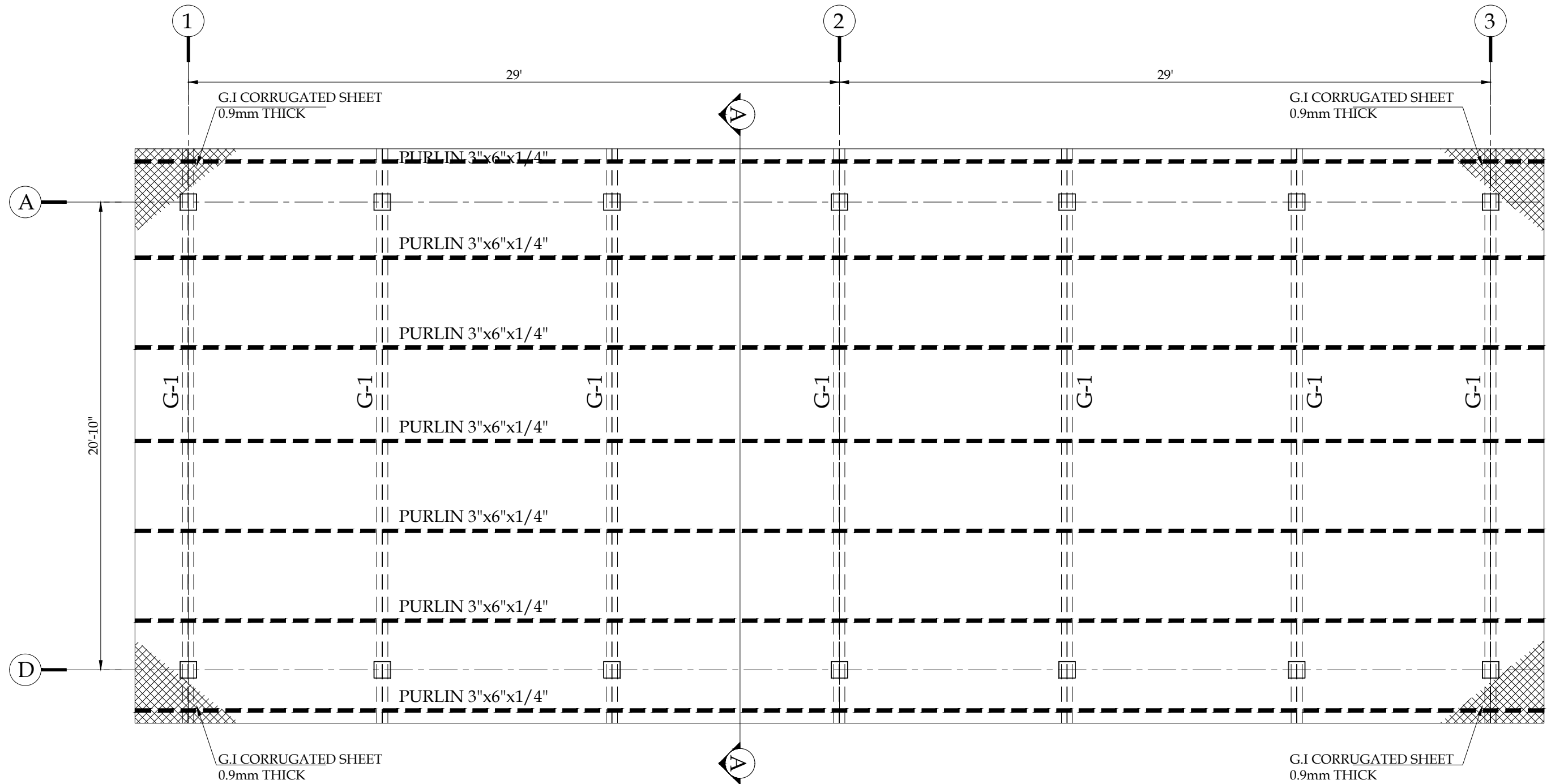


SECTION D-D

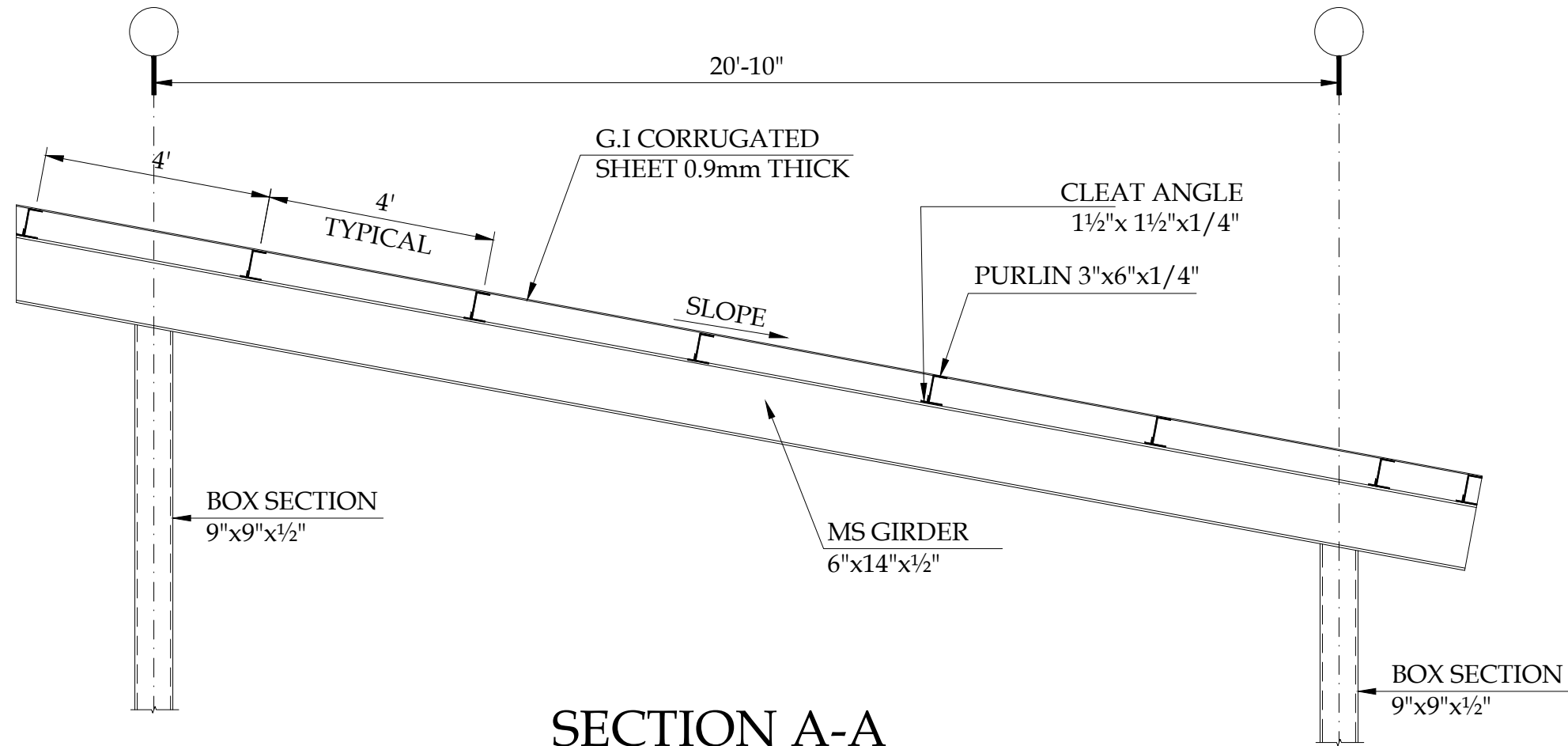


COLUMN C1

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE	
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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	M.ADNAN		REST ROOMS (6+6) FOUNDATION LAYOUT PLAN & SECTIONAL DETAILS		STR-01							
					M. ASAD ULLAH											
					NAVEED NAZ											
					SABIR HUSSAIN											
					DATE:		MARCH, 2025				SCALE:	SHEET:				
											A3					

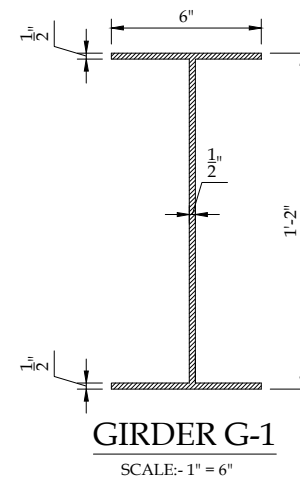
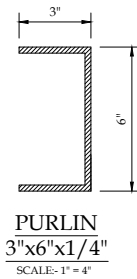
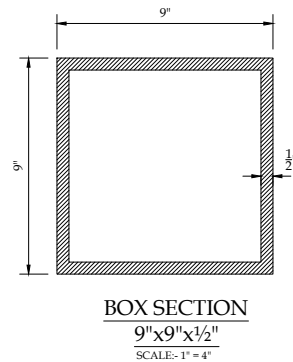


CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk			UCHALI LAKE			M.ADNAN			REST ROOMS (6+6)			STR-02					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
									DATE: MARCH, 2025											
									MS ROOF FRAMING PLAN			SCALE:	SHEET:							
													A3							



SECTION A-A

SCALE:- 1/4" = 1'-0"



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY: M.ADNAN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		DESIGNED BY: M. ASAD ULLAH		REST ROOMS (6+6)		STR-03					
						CHECKED BY: NAVEED NAZ		ROOF SECTIONAL DETAILS		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).

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PROPOSED STRUCTURAL DRAWINGS FOR PC-1

PROJECT

CHASHMA

GENERAL DRAWINGS

CLIENT:



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DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:



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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

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 DISCIPLINE DRAWINGS FOR SIZES AND LOCATION OF ALL STRUCTURAL MEMBERS, FLOORS, WALLS, OPENINGS, FLOOR FINISHES, PIPES ETC.

- 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.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND BAR BENDING SCHEDULES, 21 DAYS IN ADVANCE FOR APPROVAL, TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- TERMITE CONTROL TREATMENT SHALL BE CARRIED OUT AS PER SPECIFICATIONS.
- ALL LEVELS AND DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
- 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 APPROVED DISPOSAL AREA AS DIRECTED BY THE ENGINEER.
- 7- ANY OVER EXCAVATED AREAS OR DOUBTFUL PATCHES, AS DIRECTED BY THE ENGINEER 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

Bar Size f _c ' (PSI)	#	DEVELOPMENT LENGTH 'in' (F _y =60,000 PSI)
3000	03	04
	05	06
	07	08

- 5- SPLICE LENGTH

Bar Size f _c ' (PSI)	#	SPLICE LENGTH 'in' (F _y =60,000 PSI)
3000	03	04
	05	06
	07	08

- EXCEPT AS OTHERWISE SHOWN ON THE DRAWING, WHENEVER REINFORCING BARS OF DIFFERENT SIZES ARE TO BE LAP SPLICED 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/ft²/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 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 0.12 in.
- 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 0.12 in IN 10 ft.
- 4- ALL BRICK MASONRY FOR WALLS SHALL BE REINFORCED WITH MILD 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.

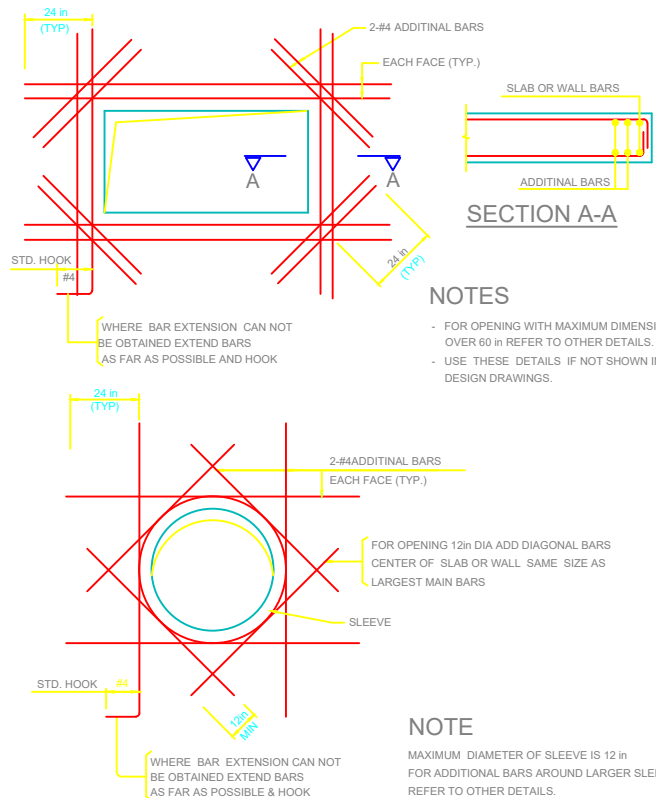
10-ELECTRICAL CONDUITS

- 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.

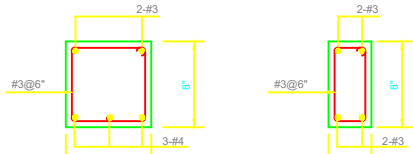
11- STRUCTURAL STEEL

- 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.

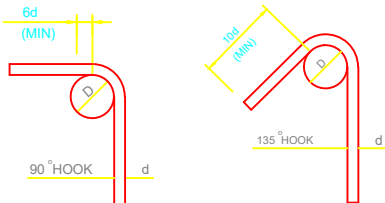


13- LINTEL REINFORCEMENT DETAILS. (UP TO 72 in CLEAR SPAN)



14- STIRRUPS, HOOKS, SPLICES AND REINFORCEMENT

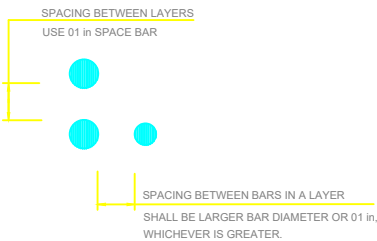
BAR SPACING DETAILS.



STIRRUPS AND TIE HOOKS

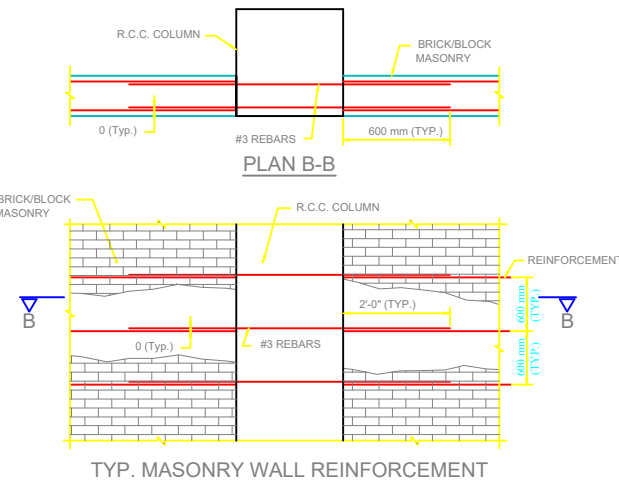


BEAM SPLICE (TYP.)



BAR SPACING IN BEAM

15- BRICK MASONRY REINFORCEMENT DETAIL.



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		 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		M.ADNAN		GENERAL NOTES		STR-01									
						DESIGNED BY:				SCALE:		SHEET:							
						CHECKED BY:						A3							
						APPROVED BY:													
						DATE:		MARCH, 2025											

PROPOSED STRUCTURAL DRAWINGS FOR PC-1

PROJECT

CHASHMA

INFORMATION CENTER

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

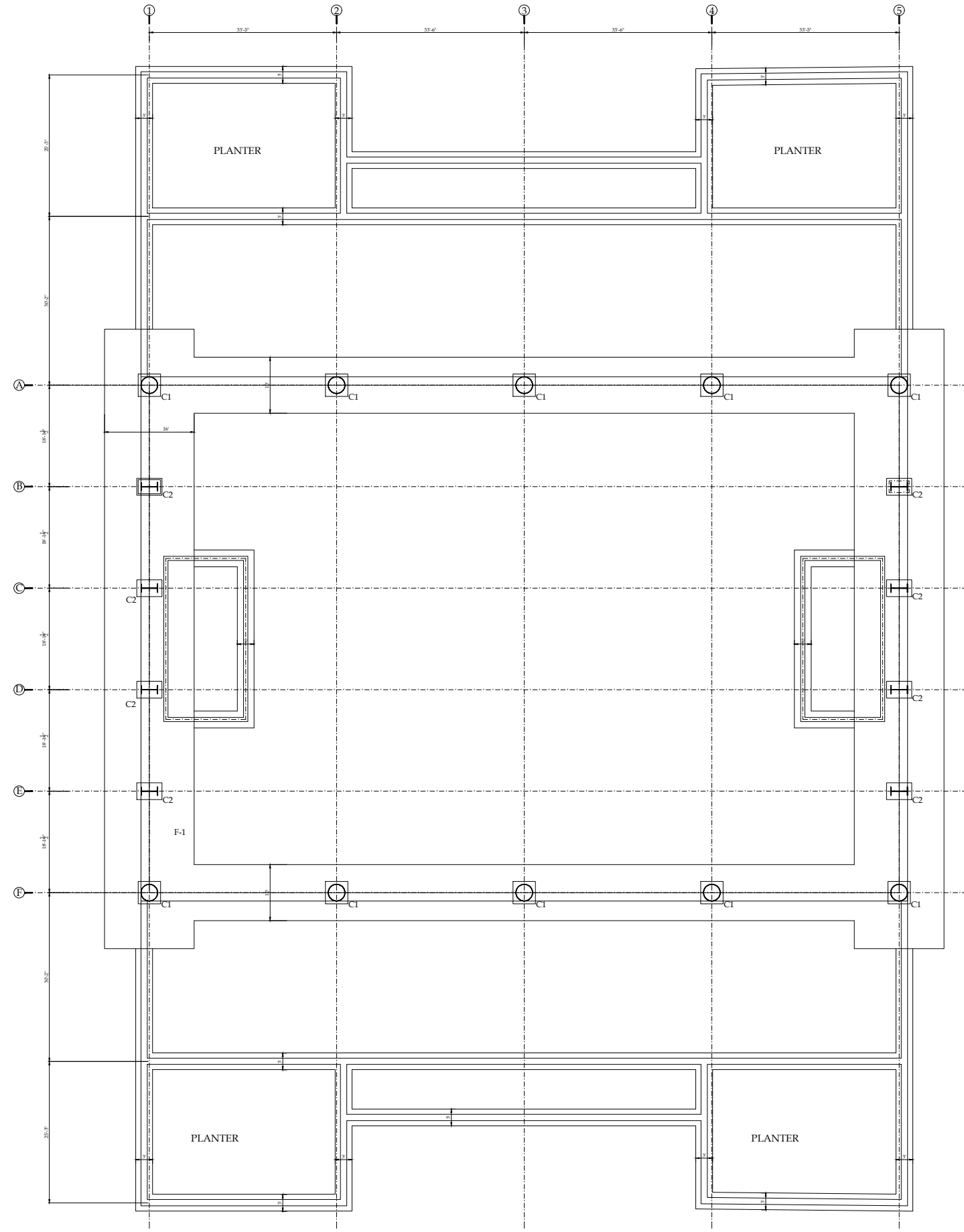


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

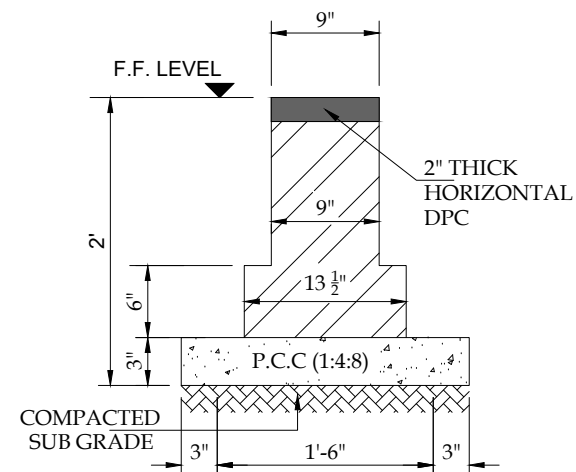
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

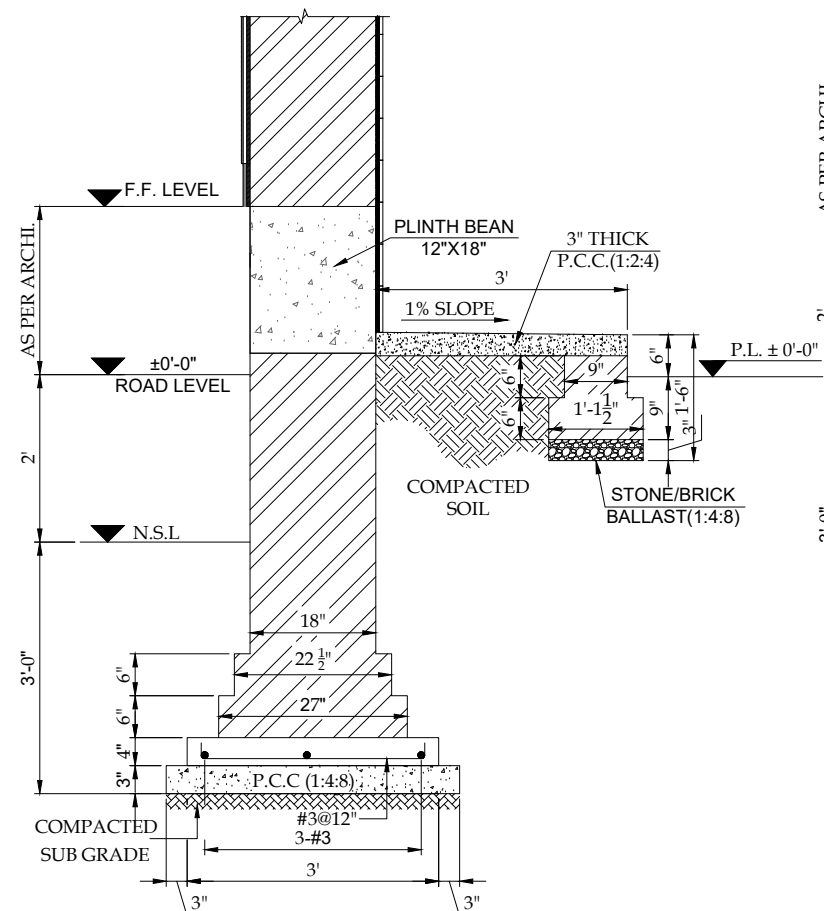


FOUNDATION LAYOUT PLAN

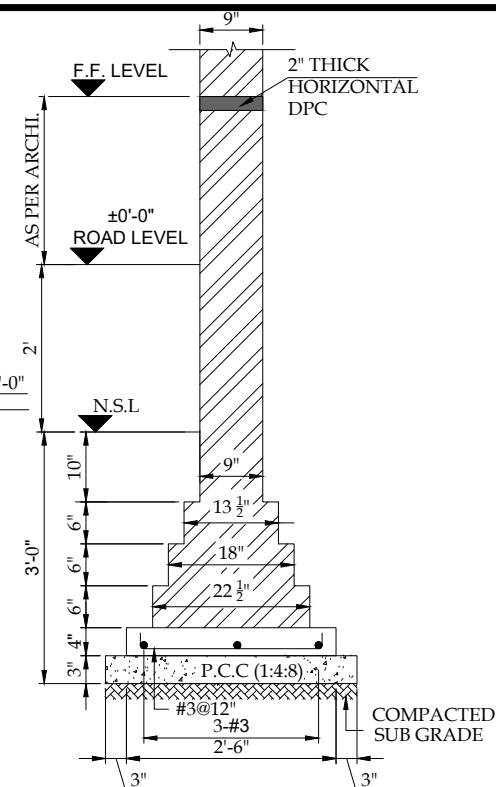
CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	PROJECT: CHASHMA	DRAWN BY: M.ADNAN	DESIGNED BY: M. ASAD ULLAH	CHECKED BY: NAVEED NAZ	APPROVED BY: SABIR HUSSAIN	DATE: MARCH, 2025	DRAWING TITLE: INFORMATION CENTER FOUNDATION LAYOUT PLAN	DRAWING NO: STR-01		REV.	DESCRIPTION	SIGN.	DATE
									SCALE:	SHEET: A3				



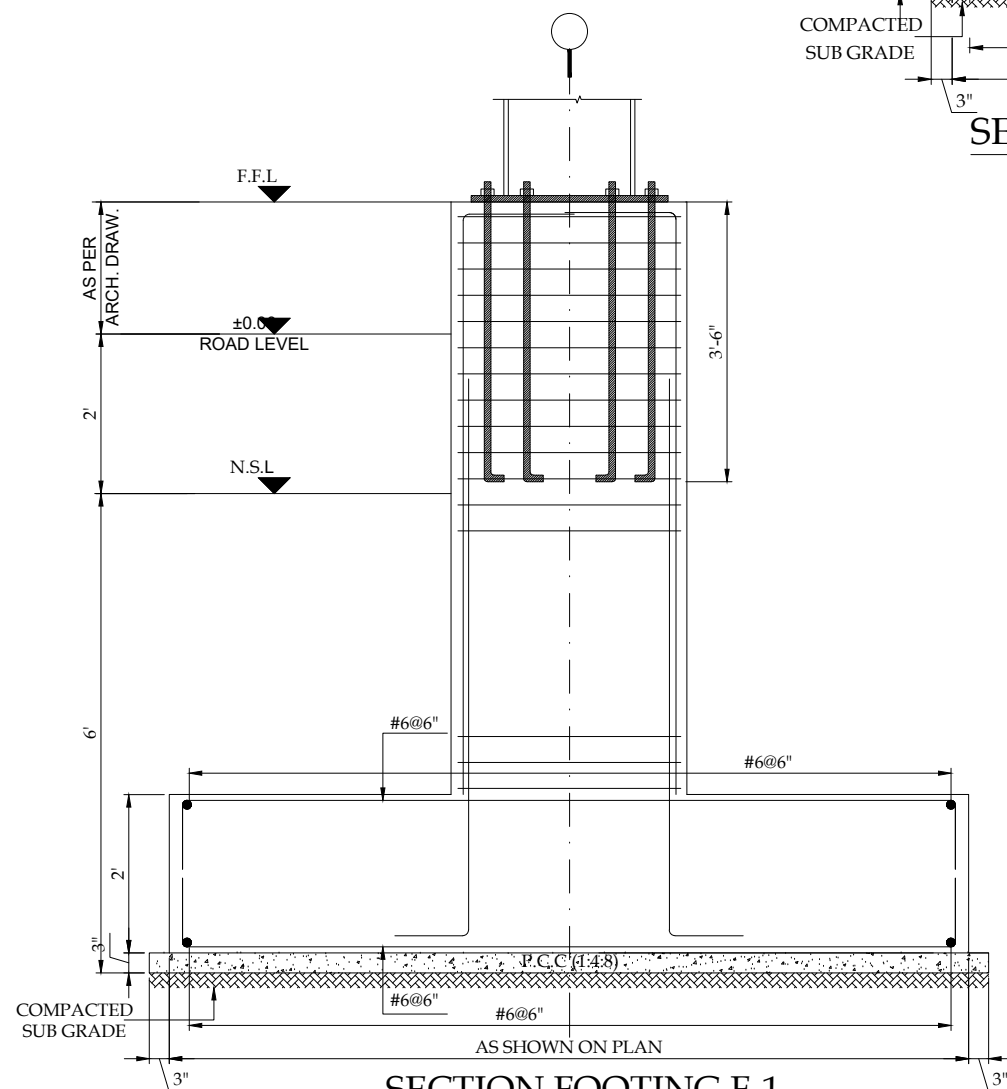
TOE WALL FOOTING
X-SECTION



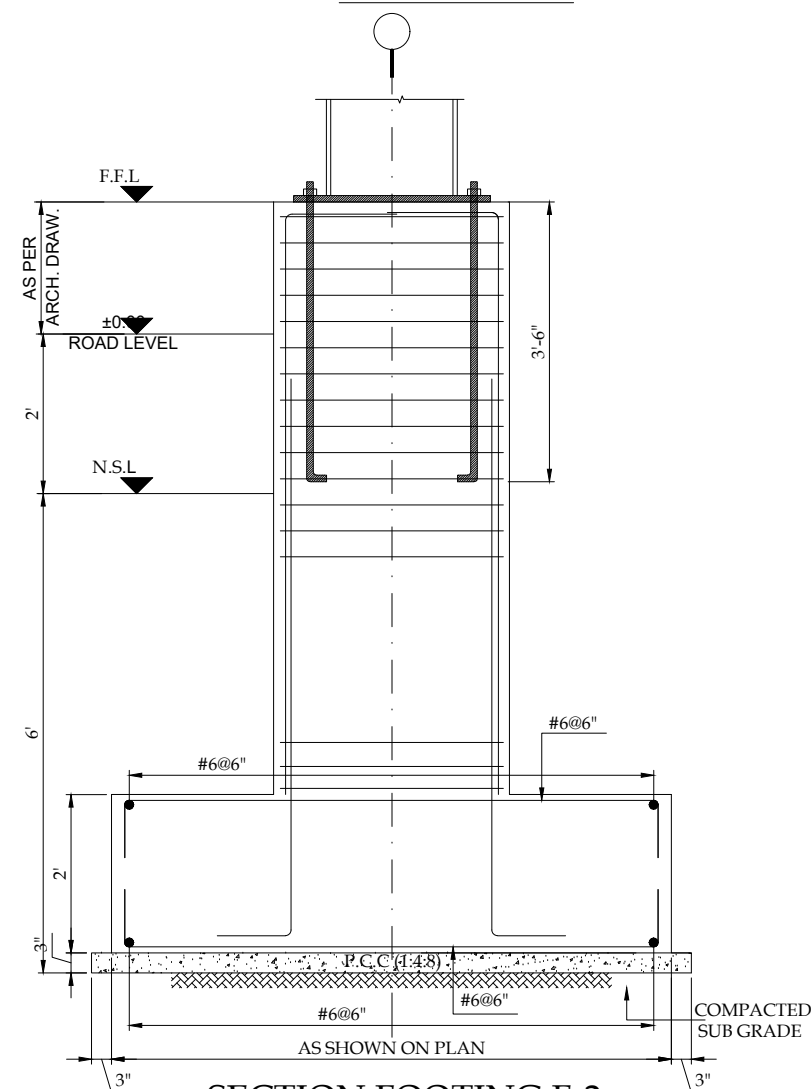
SECTION A-A



SECTION B-B



SECTION FOOTING F-1



SECTION FOOTING F-2

CLIENT:



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:

INFORMATION CENTER

FOUNDATION SECTIONAL DETAILS

DRAWING NO:

STR-02

SCALE:

SHEET:

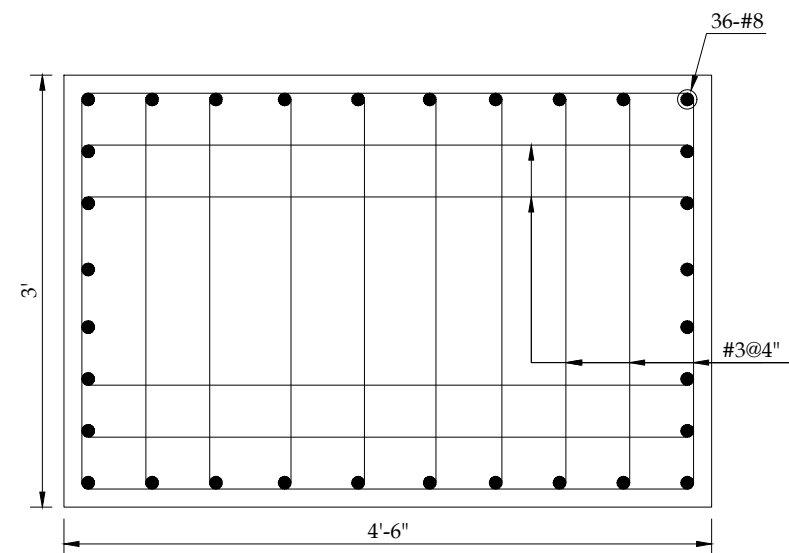
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REV.

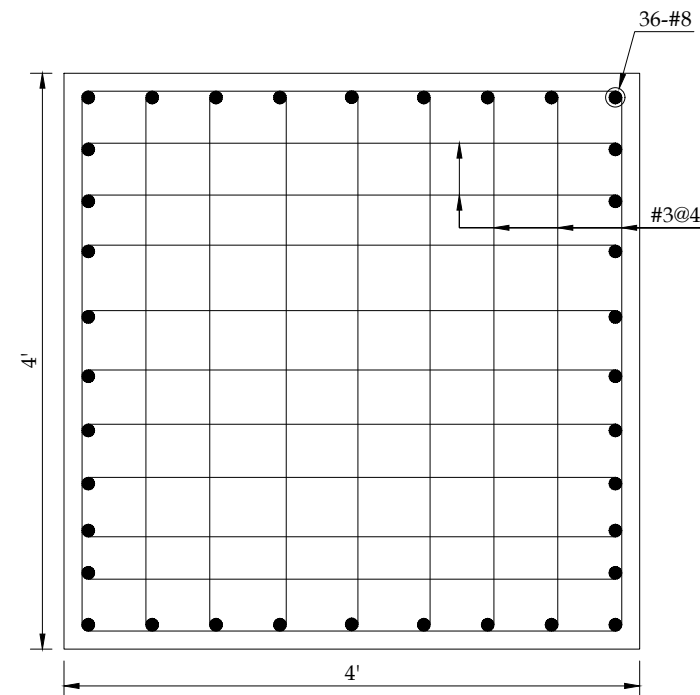
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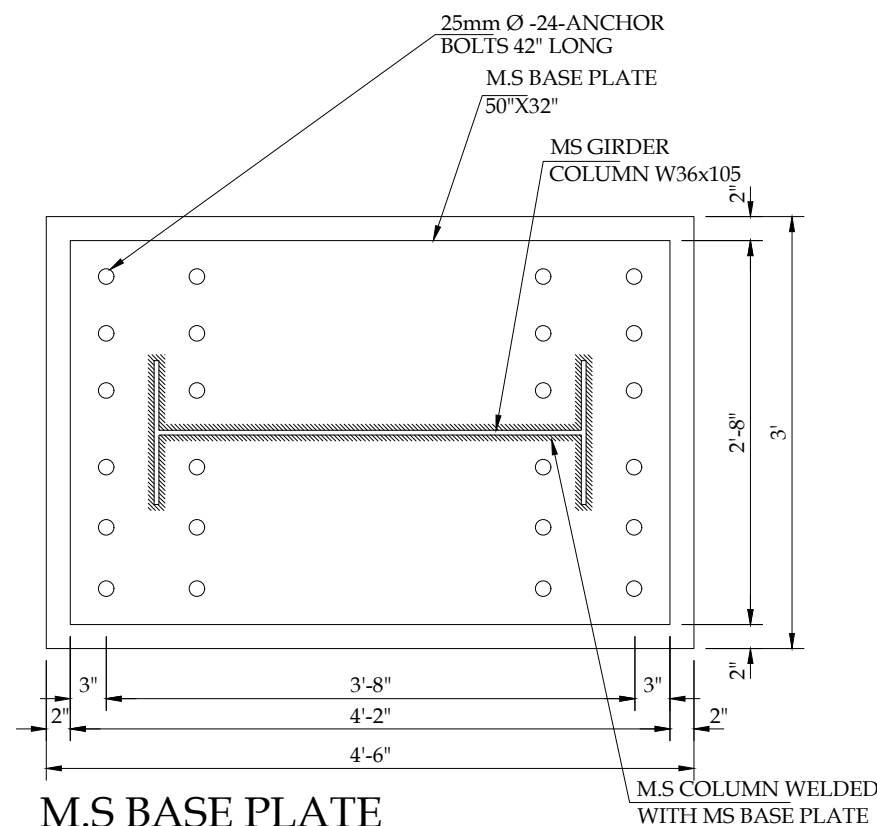
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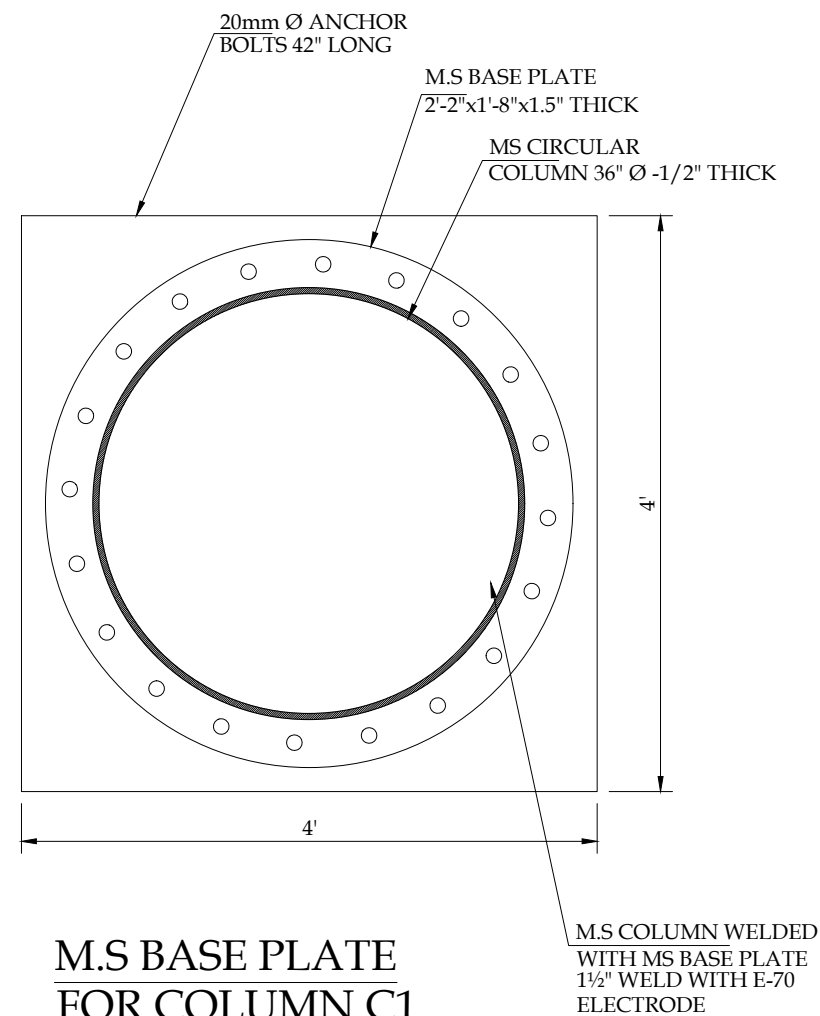
COLUMN C2



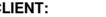
COLUMN C1

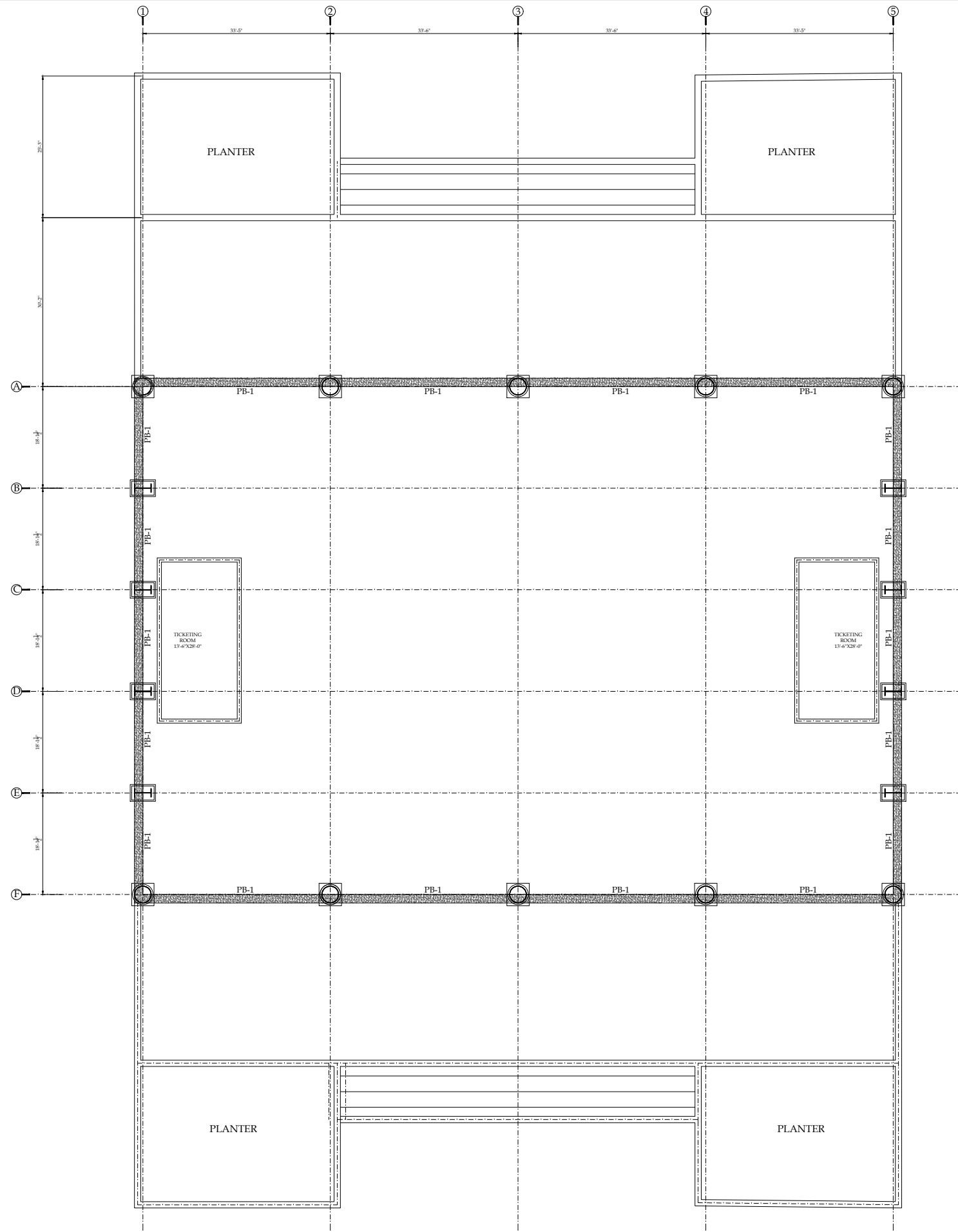


M.S. BASE PLATE
FOR COLUMN C2

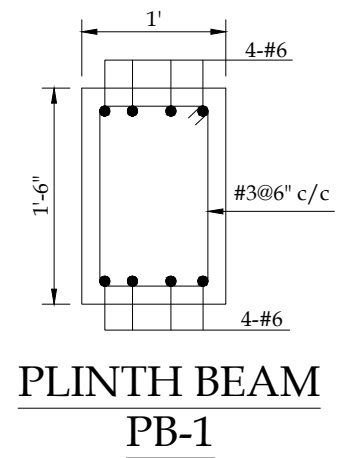


M.S. BASE PLATE
FOR COLUMN C1

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		M.ADNAN		INFORMATION CENTER		STR-03					
						DESIGNED BY: M. ASAD ULLAH		COLUMN SECTIONAL DETAILS		SCALE:		SHEET:			
						CHECKED BY: NAVEED NAZ						A3			
						APPROVED BY: SABIR HUSSAIN									
						DATE: MARCH, 2025									

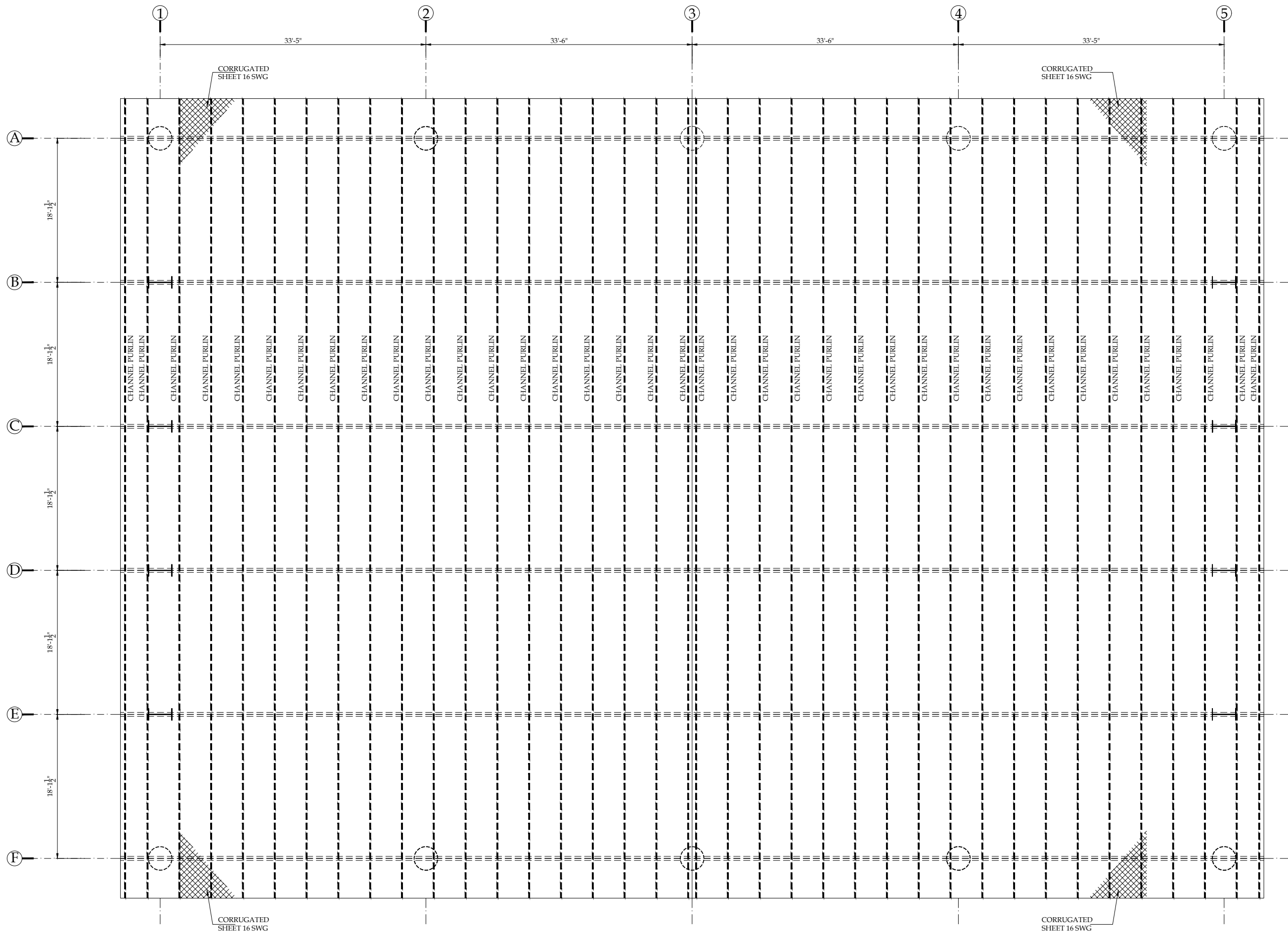


PLINTH BEAMS LAYOUT PLAN



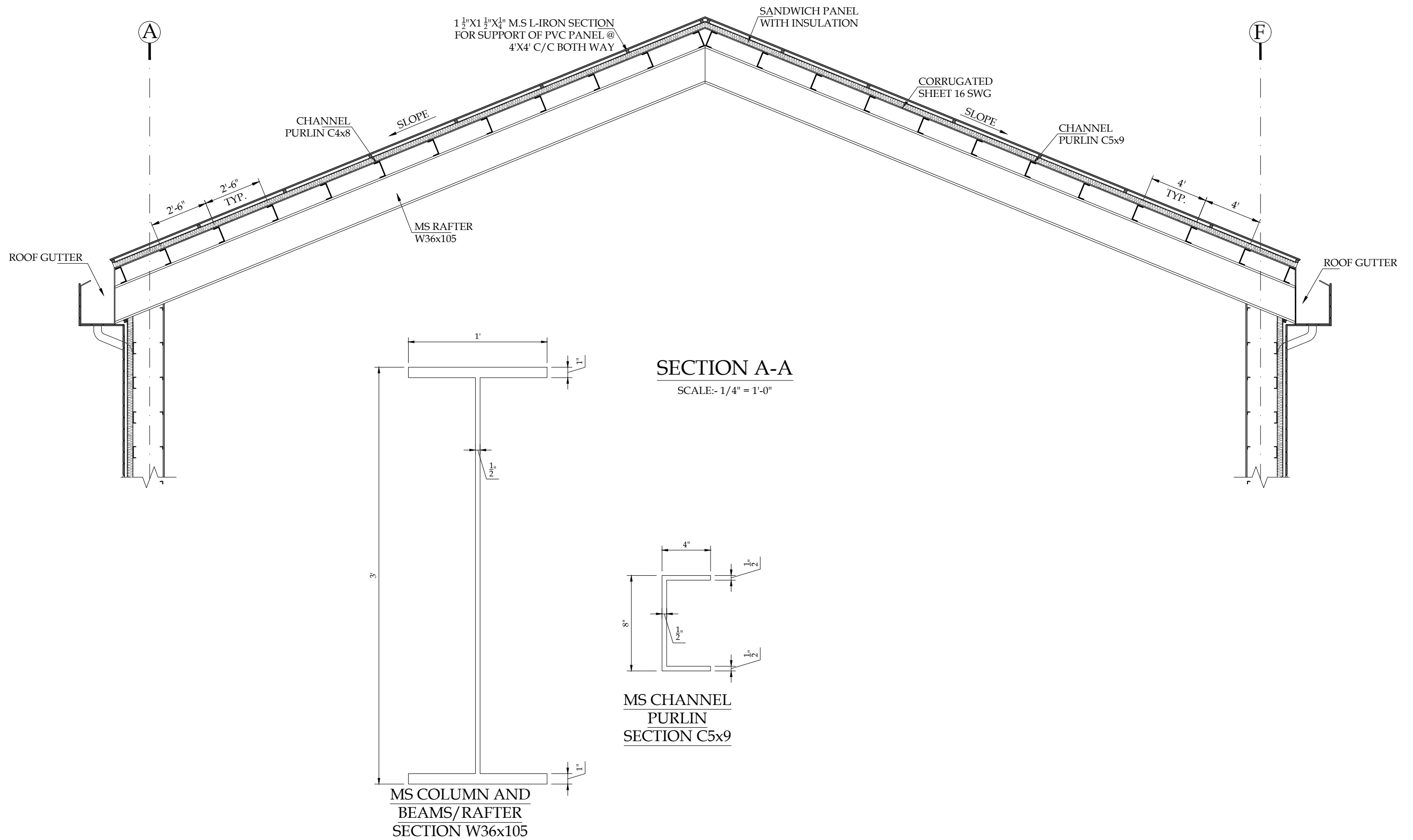
PLINTH BEAM
PB-1

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	M.ADNAN	INFORMATION CENTER	STR-04	SCALE:	SHEET:	A3	M. ASAD ULLAH	NAVEED NAZ	SABIR HUSSAIN	MARCH, 2025	PLINTH BEAMS LAYOUT PLAN		



STEEL ROOF PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	M.ADNAN	M. ASAD ULLAH	NAVEED NAZ	SABIR HUSSAIN	MARCH, 2025	INFORMATION CENTER ROOF BEAMS FRAMING PLAN	STR-05	SCALE:	SHEET: A3				



CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			DRAWN BY: M.ADNAN			INFORMATION CENTER TRUSS SECTIONAL DETAILS			STR-06					
DESIGNED BY: M. ASAD ULLAH																				
CHECKED BY: NAVEED NAZ																				
APPROVED BY: SABIR HUSSAIN																				
DATE: MARCH, 2025																				
									SCALE:		SHEET:									
											A3									

PROPOSED STRUCTURAL DRAWINGS FOR PC-1

PROJECT

CHASHMA

RESTAURANT

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

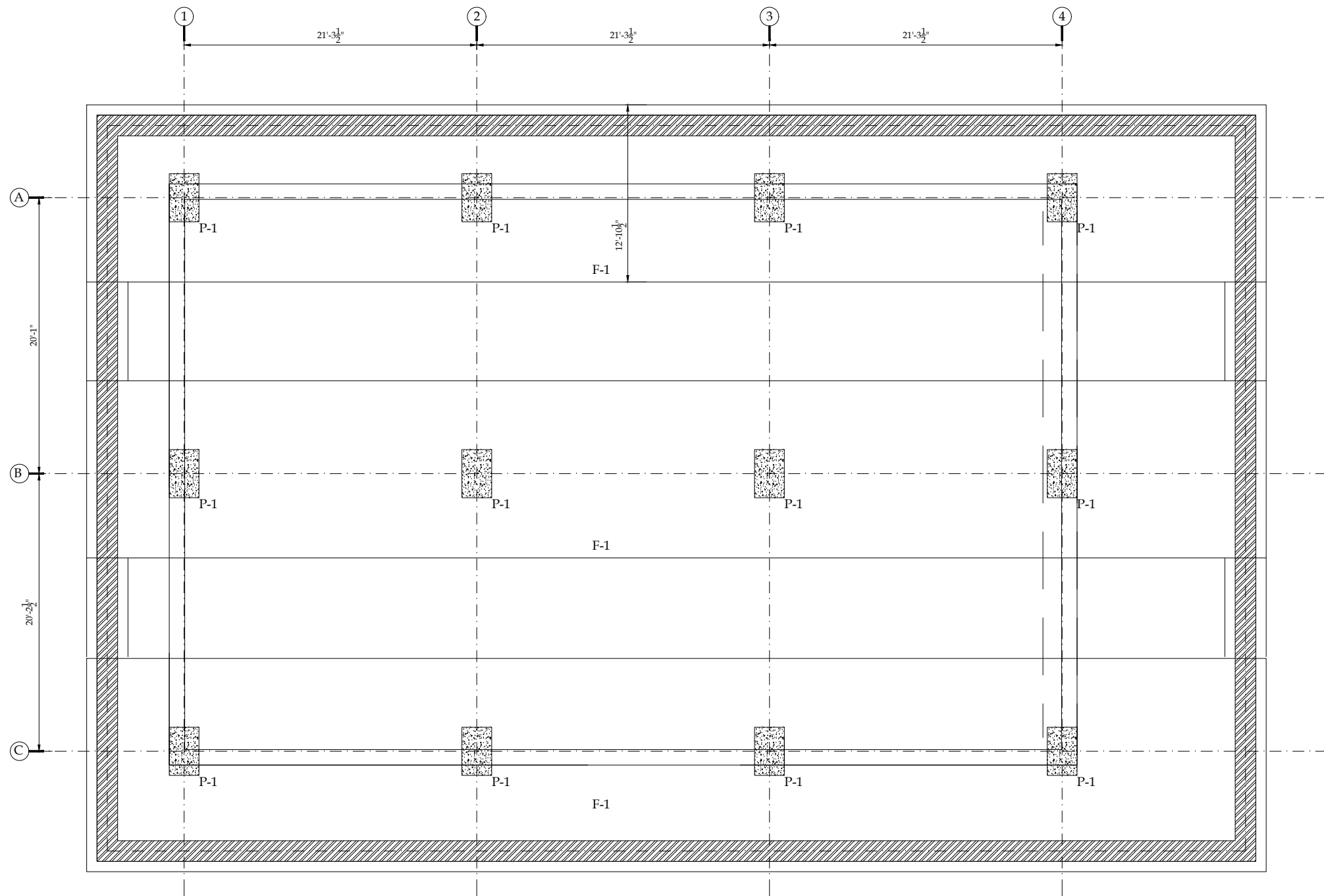


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

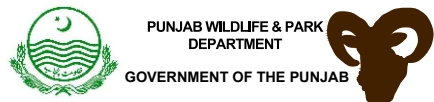
info@ecsp.com.pk www.ecsp.com.pk



FOUNDATION LAYOUT PLAN

SCALE:- 1/6" = 1'-0"

CLIENT:



CONSULTANTS:



PROJECT:

CHASHMA

DRAWN BY:

M.ADNAN

DESIGNED BY:

M. ASAD ULLAH

CHECKED BY:

NAVEED NAZ

APPROVED BY:

SABIR HUSSAIN

DATE:

MARCH, 2025

DRAWING TITLE:

RESTURANT

FOUNDATION LAYOUT PLAN

DRAWING NO:

STR-01

SCALE:

SHEET:

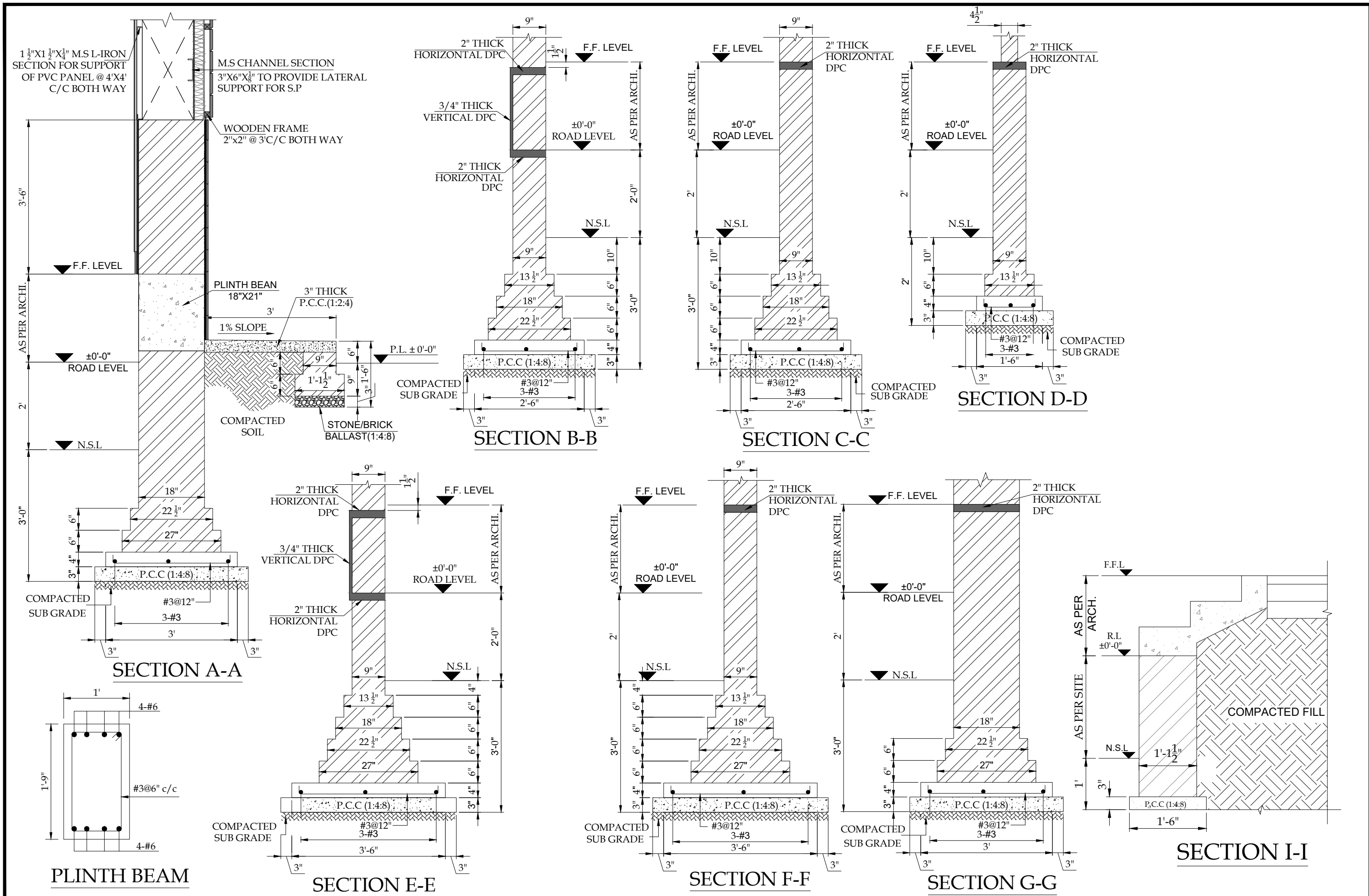
A3

REV.

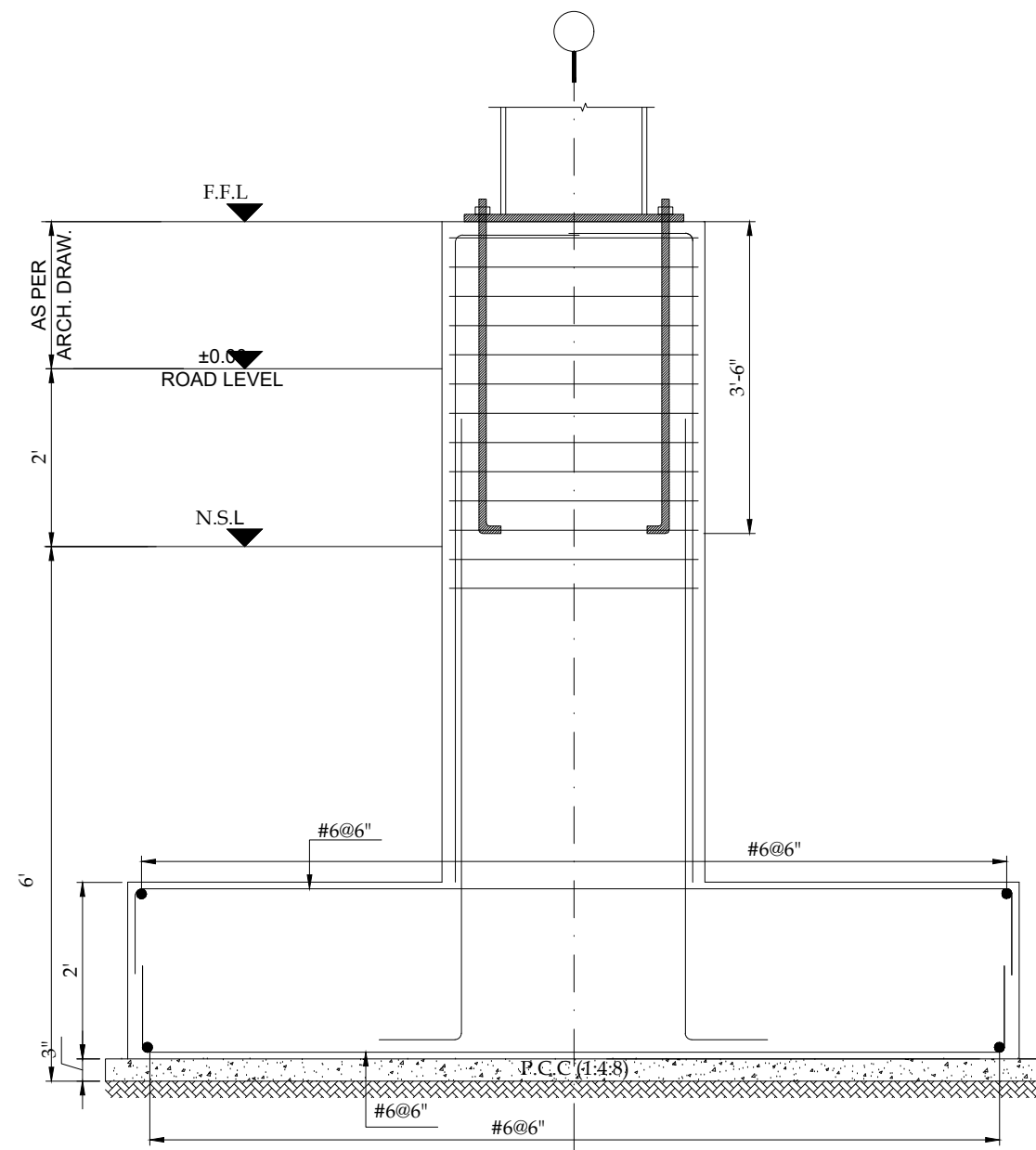
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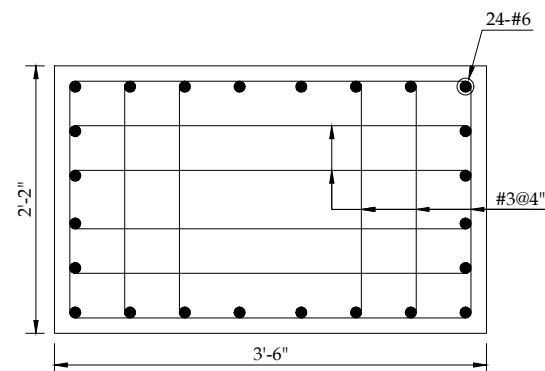
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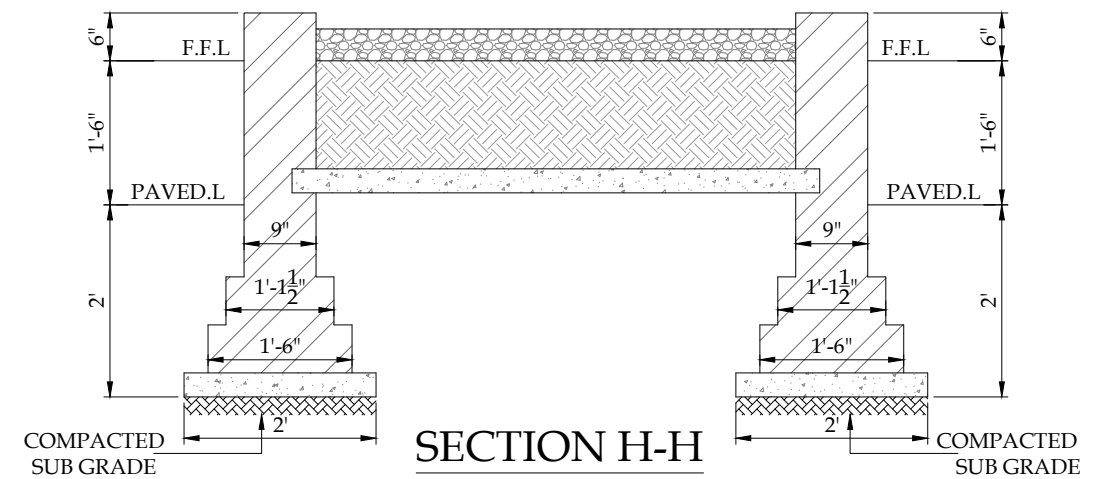
CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		CHASHMA		DESIGNED BY:		RESTURANT		STR-02					
						CHECKED BY:		FOUNDATION SECTIONAL DETAIL		SCALE:		SHEET:			
						APPROVED BY:						A3			
						DATE:									
						M.ADNAN									
						M. ASAD ULLAH									
						NAVEED NAZ									
						SABIR HUSSAIN									
						MARCH, 2025									



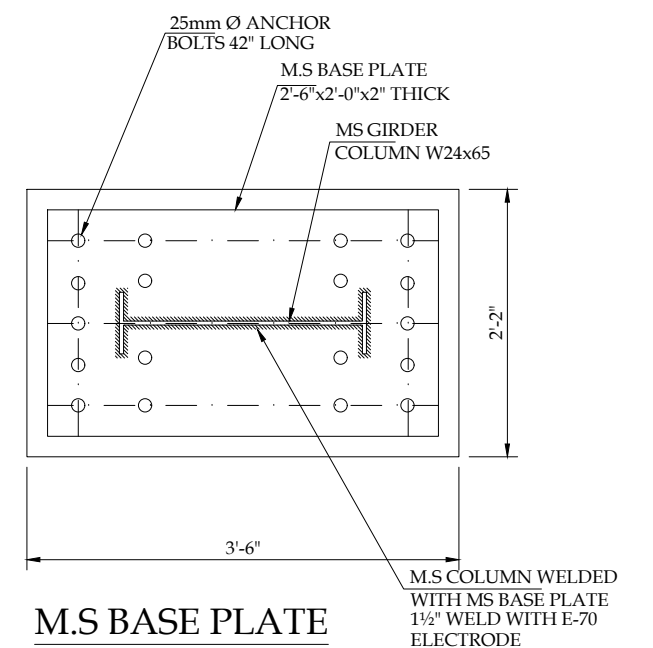
SECTION FOOTING F-1



COLUMN C1

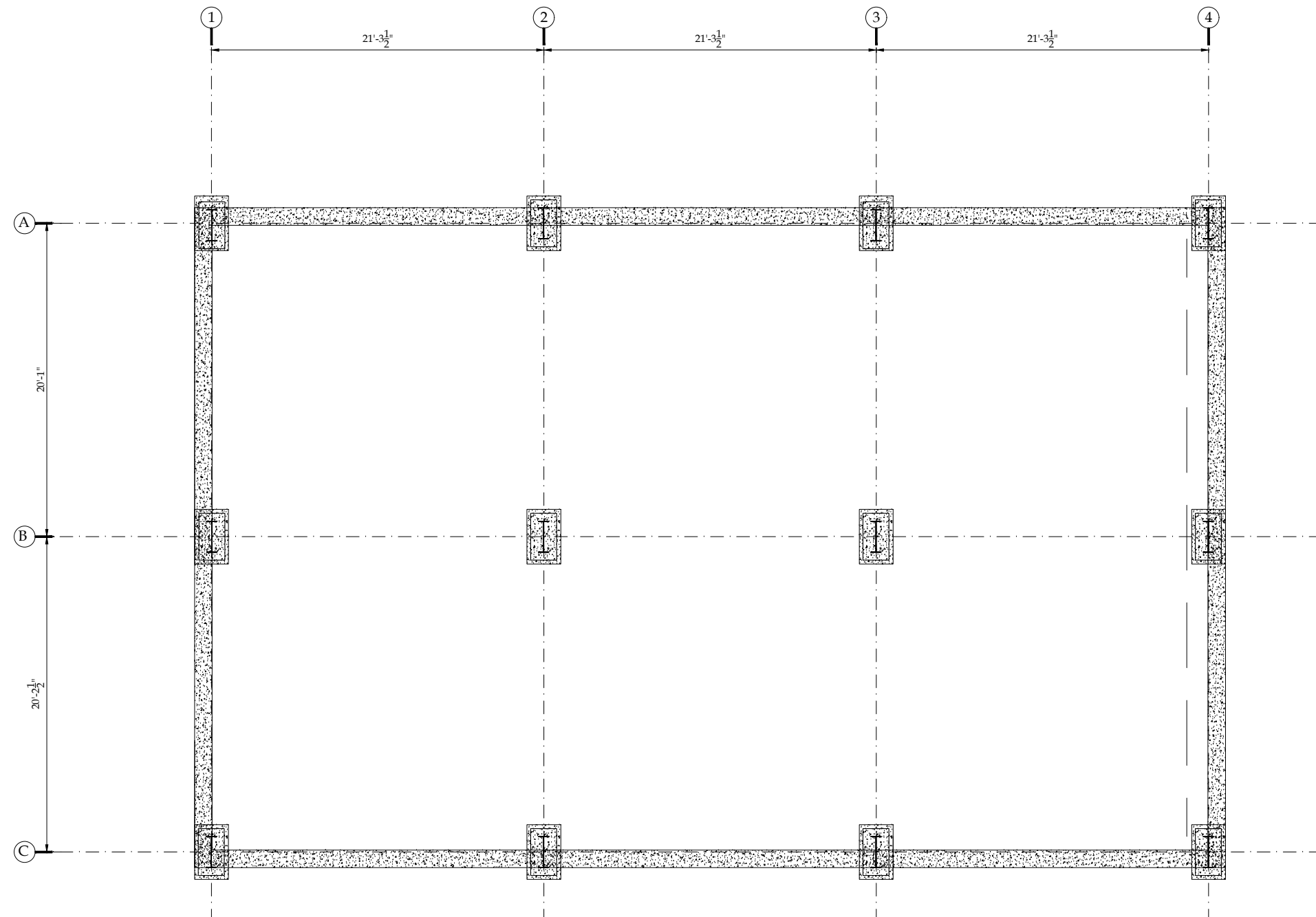


SECTION H-H



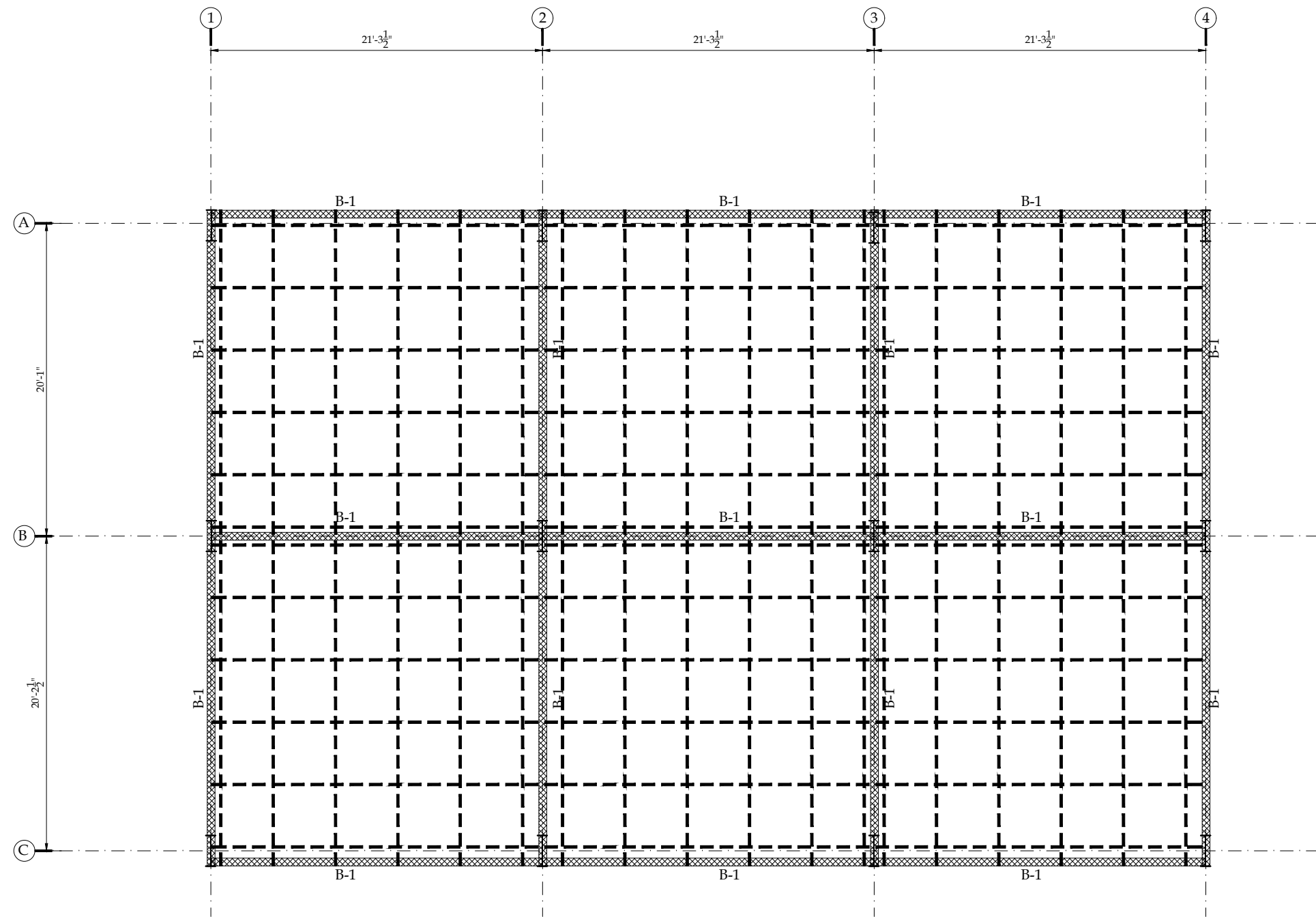
M.S BASE PLATE
FOR COLUMN C1

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY: M.ADNAN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		DESIGNED BY: M. ASAD ULLAH		RESTURANT		STR-03					
						CHECKED BY: NAVEED NAZ									
						APPROVED BY: SABIR HUSSAIN									
										DATE: MARCH. 2025		FOUNDATION & COLUMN SECTIONAL DETAIL		SCALE:	SHEET: A3



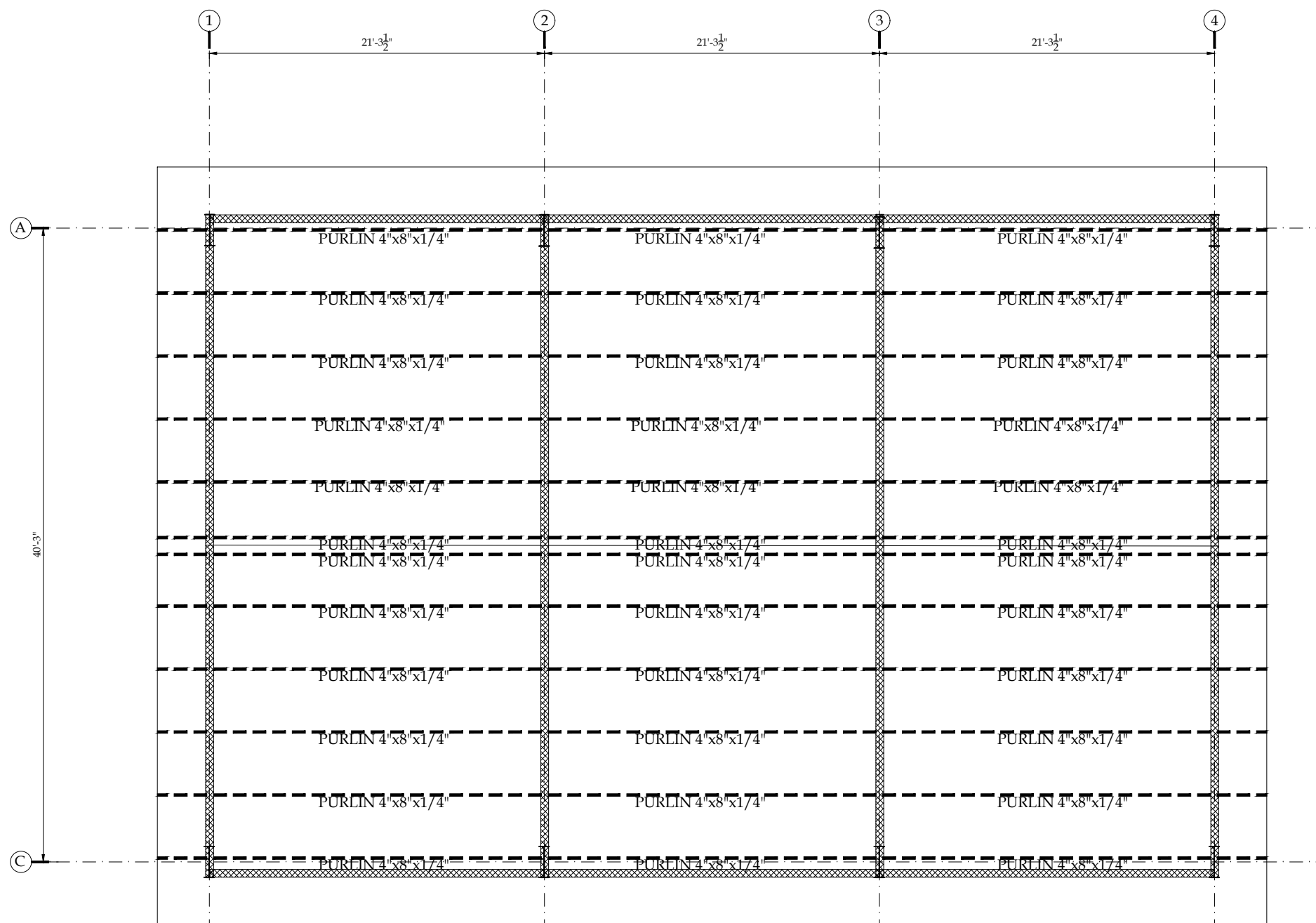
PLINTH BEAMS FRAMING PLAN

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: CHASHMA	DRAWN BY: M.ADNAN		DRAWING TITLE: RESTURANT PLINTH BEAMS FRAMING 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								



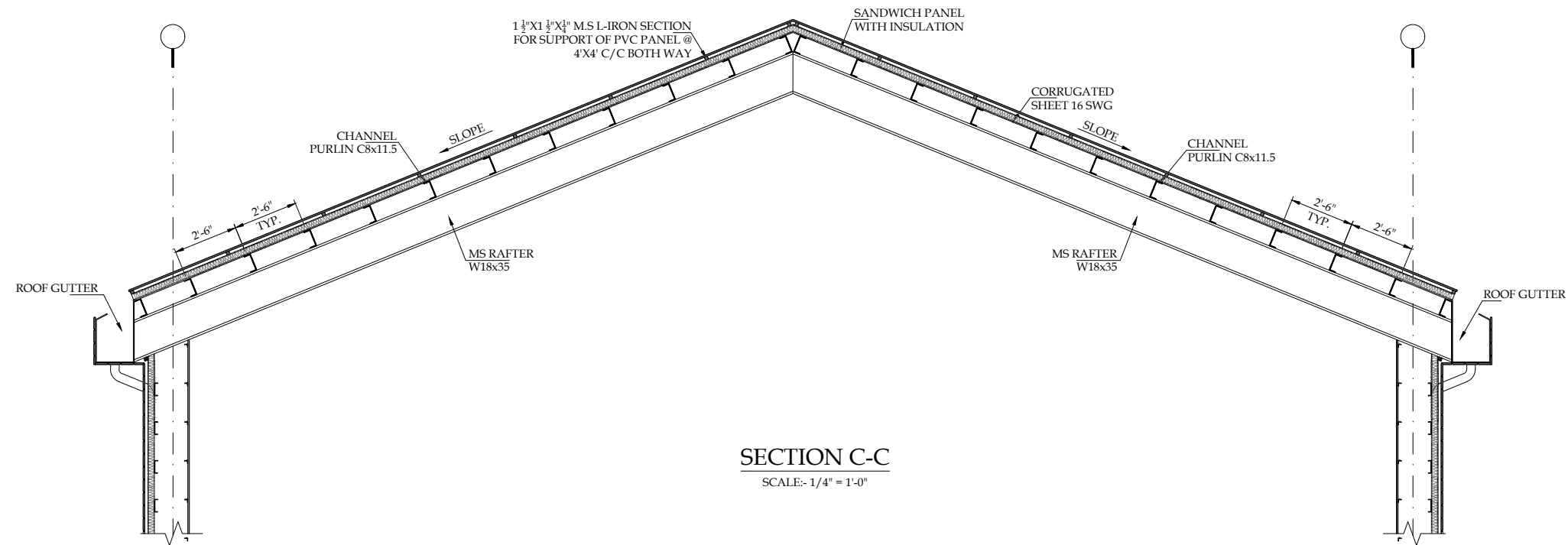
FIRST FLOOR DECK SLAB BEAMS FRAMING PLAN

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY: M.ADNAN			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			DESIGNED BY: M. ASAD ULLAH			RESTURANT FIRST FLOOR DECK SLAB BEAMS FRAMING PLAN			STR-05					
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
									DATE: MARCH, 2025											
												SCALE:	SHEET:							
															A3					

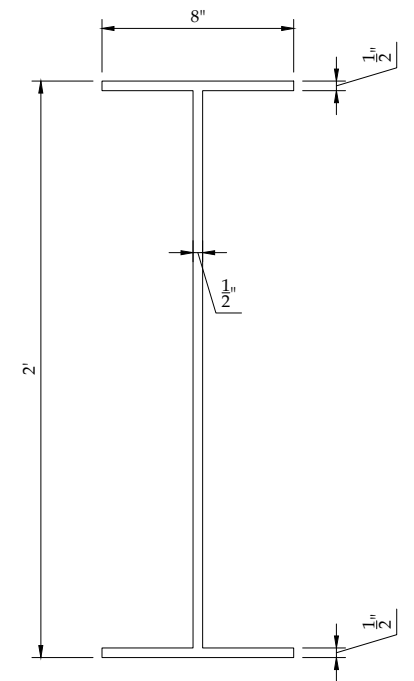


ROOF TRUSS (TR-1) FRAMING PLAN
SCALE:- 1/6" = 1'-0"

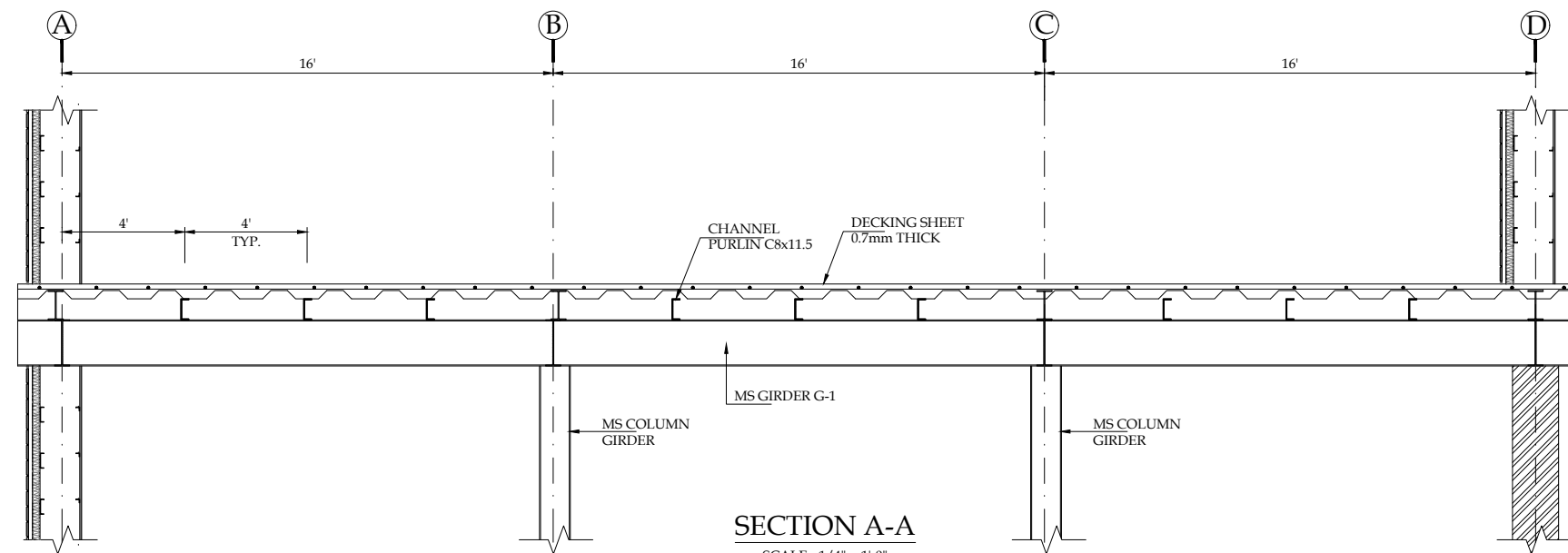
CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 	 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	CHASHMA	DESIGNED BY:		M. ASAD ULLAH		RESTURANT	ROOF TRUSS FRAMING PLAN		STR-06					
			CHECKED BY:		NAVEED NAZ										
			APPROVED BY:		SABIR HUSSAIN										
			DATE:		MARCH, 2025										
										SCALE:	SHEET:				
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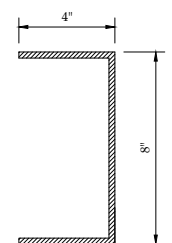
SECTION C-C
SCALE:- 1/4" = 1'-0"



MS COLUMN
SECTION W24x65



SECTION A-A
SCALE:- 1/4" = 1'-0"



PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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.pkwww.ecsp.com.pk		CHASHMA		DRAWN BY: M.ADNAN		DRAWING TITLE: RESTURANT		DRAWING NO: STR-07									
						DESIGNED BY: M. ASAD ULLAH		TRUSS T-1 SECTIONAL DETAIL		SCALE:		SHEET:							
						CHECKED BY: NAVEED NAZ						A3							
						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:

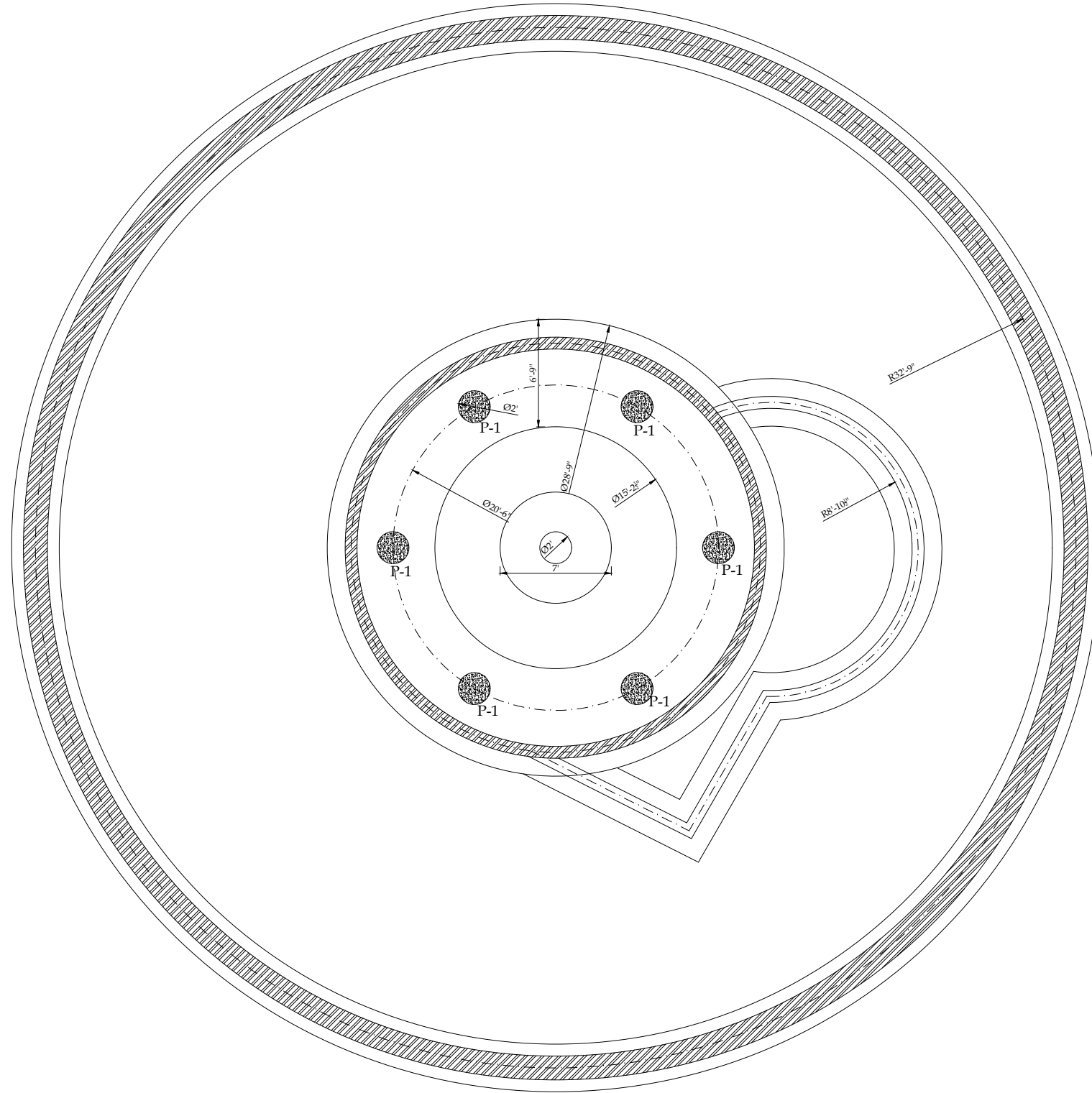


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

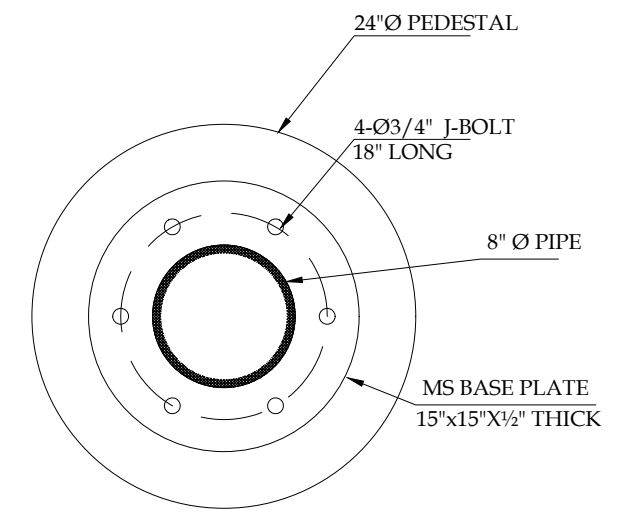
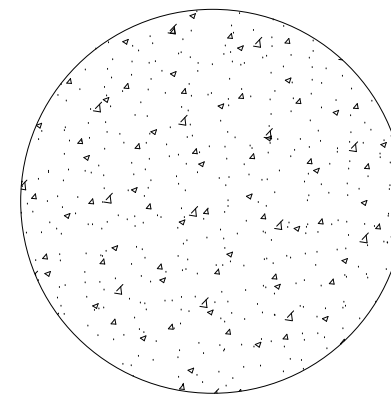
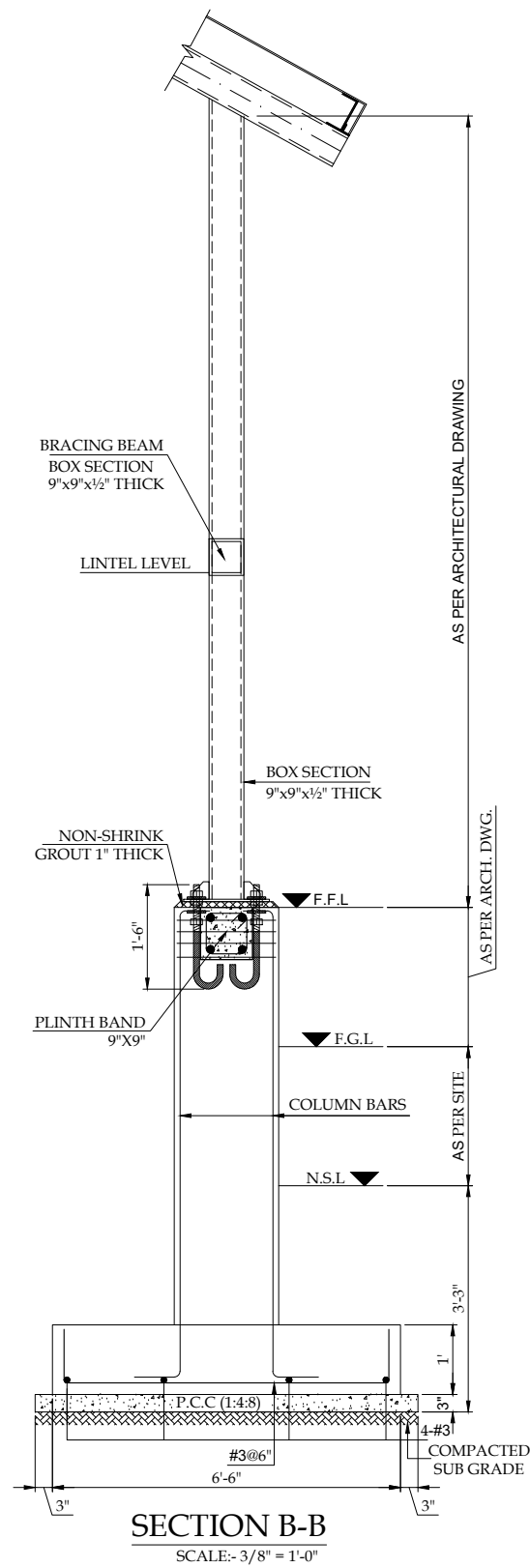
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

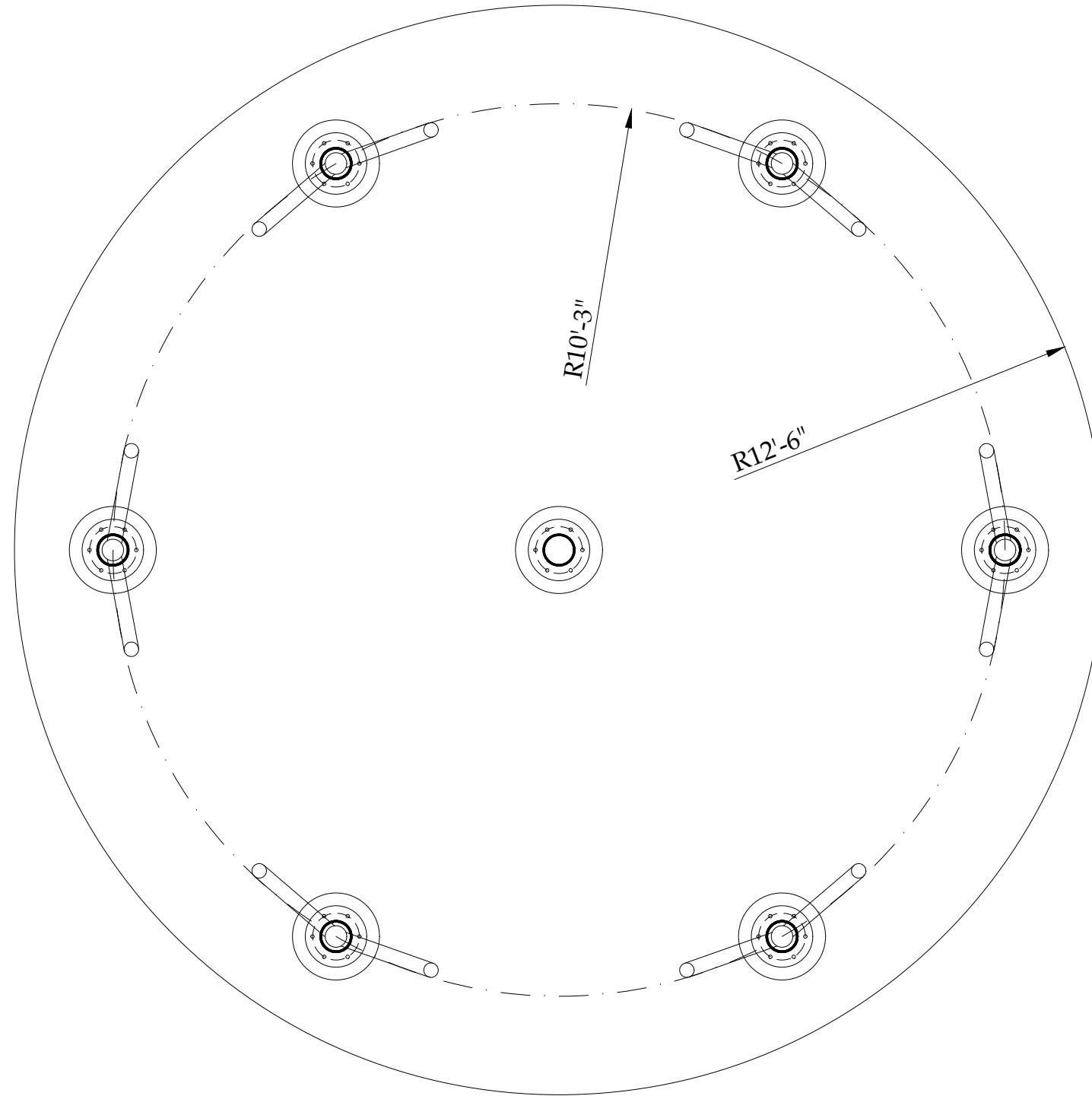


FOUNDATION LAYOUT PLAN
SCALE:- 3/16" = 1'-0"

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			M.ADNAN			ECO LODGE SINGLE BED			STR-01					
						M. ASAD ULLAH			FOUNDATION LAYOUT PLAN			SCALE:		SHEET:						
						NAVEED NAZ								A3						
						SABIR HUSSAIN														
						MARCH, 2025														



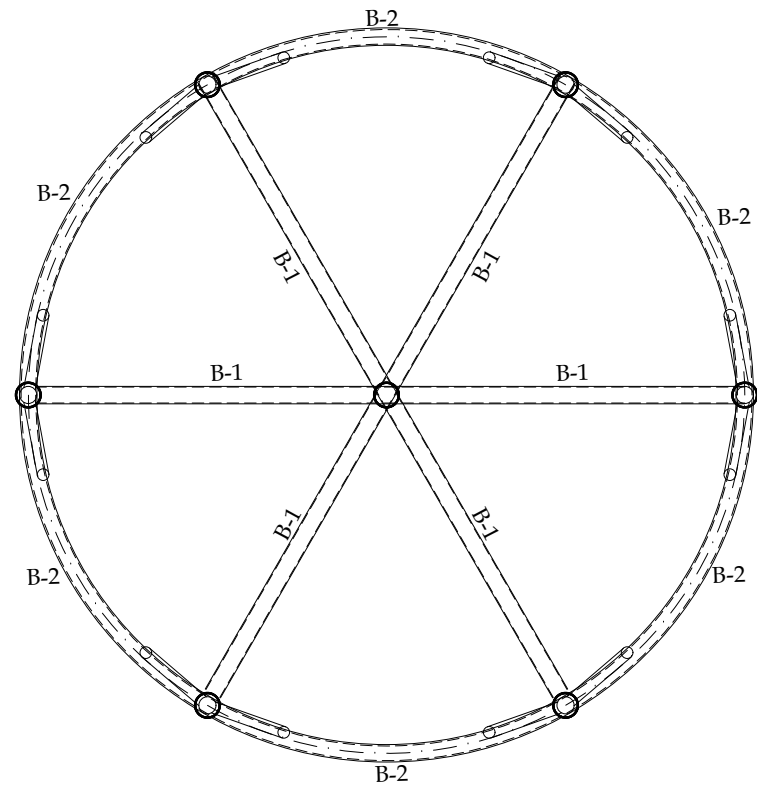
CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pkwww.ecsp.com.pk			CHASHMA			M.ADNAN			ECO LODGE SINGLE BED			STR-02					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
									DATE: MARCH, 2025											
												SCALE:		SHEET:						
														A3						



PEDESTAL LAYOUT PLAN

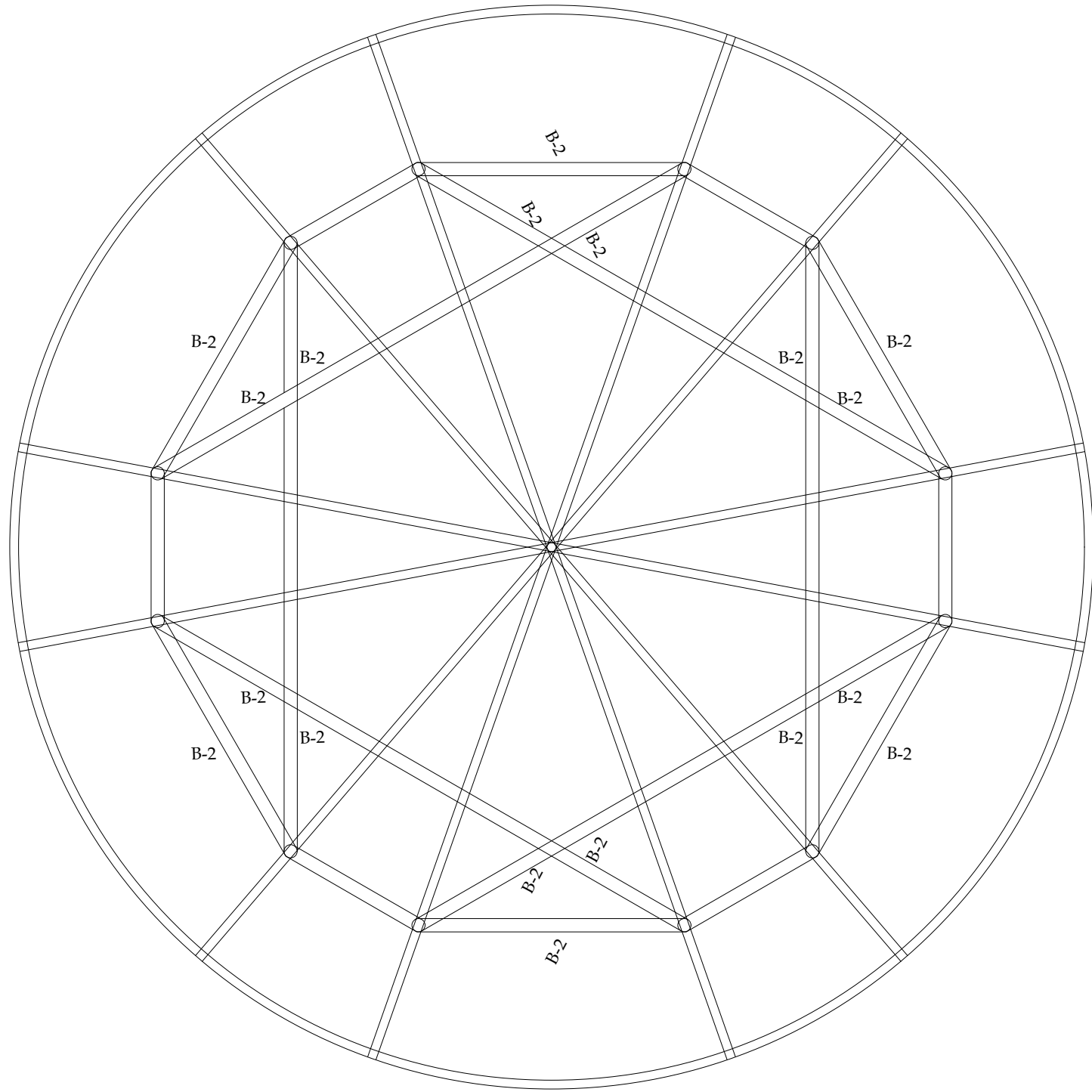
SCALE:- 3/16" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		M.ADNAN		ECO LODGE SINGLE BED		STR-03									
						DESIGNED BY: M. ASAD ULLAH		PEDESTAL LAYOUT PLAN											
						CHECKED BY: NAVEED NAZ													
						APPROVED BY: SABIR HUSSAIN				SCALE:		SHEET:							
						DATE: MARCH, 2025						A3							



FIRST FLOOR DECK SLAB PLAN

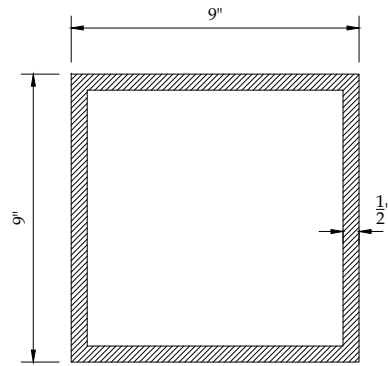
SCALE:- 3/16" = 1'-0"



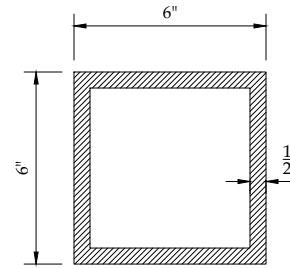
TOP ROOF SLAB PLAN

SCALE:- 3/16" = 1'-0"

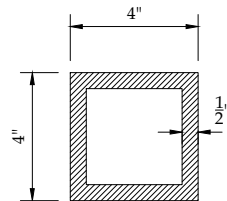
CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		CHASHMA		M.ADNAN		ECO LODGE SINGLE BED		STR-04							
						M. ASAD ULLAH		FIRST FLOOR DECK SLAB & TOP ROOF SLAB PLAN		SCALE:		SHEET:					
						NAVEED NAZ						A3					
						SABIR HUSSAIN											
						MARCH, 2025											



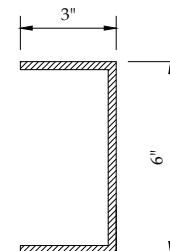
BOX SECTION
9"x9"x1/2"
SCALE:- 1" = 4"



BOX SECTION
6"x6"x1/2"
SCALE:- 1" = 4"



BOX SECTION
4"x4"x1/2"
SCALE:- 1" = 4"



PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
	PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		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		M.ADNAN		ECO LODGE SINGLE BED BEAMS & COLUMNS SECTIONAL DETAILS	STR-05						
						M. ASAD ULLAH									
						NAVEED NAZ									
						SABIR HUSSAIN			SCALE:	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:

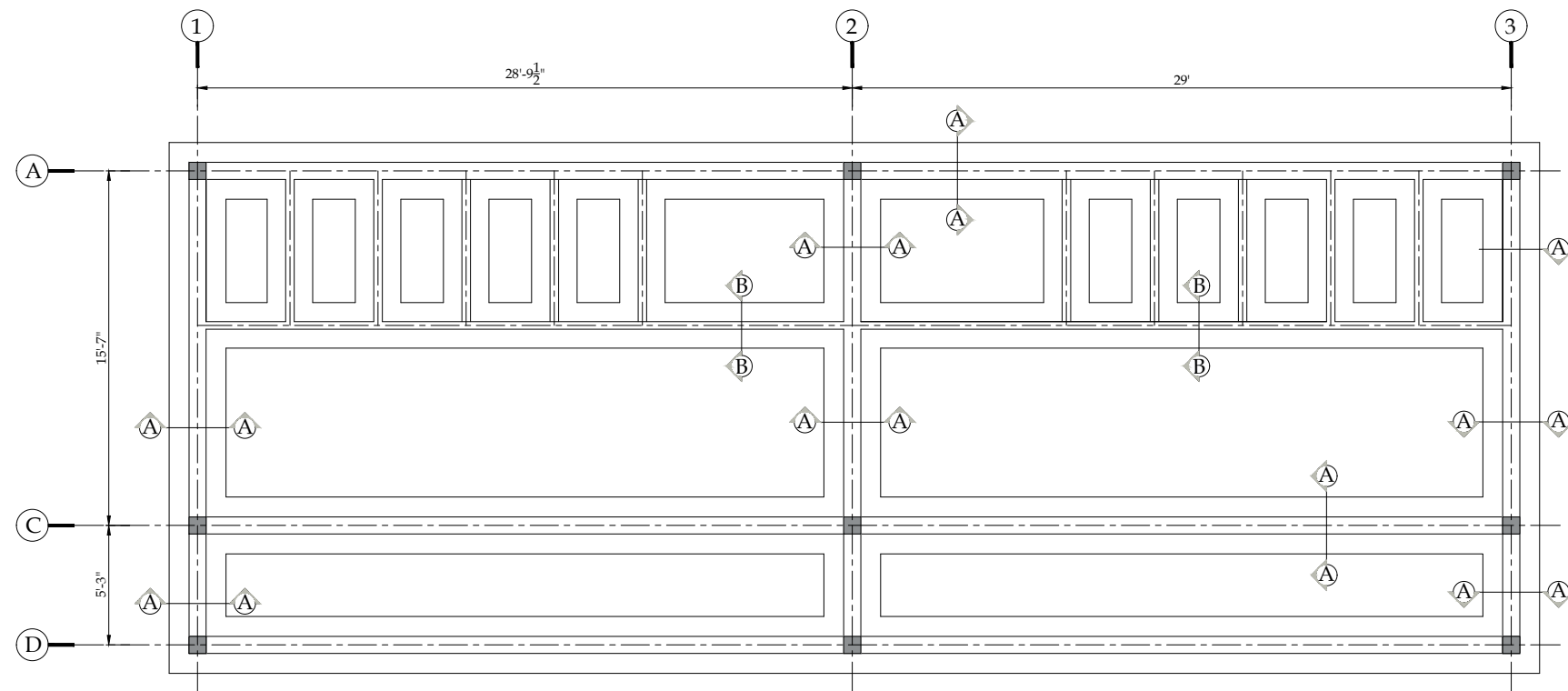


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

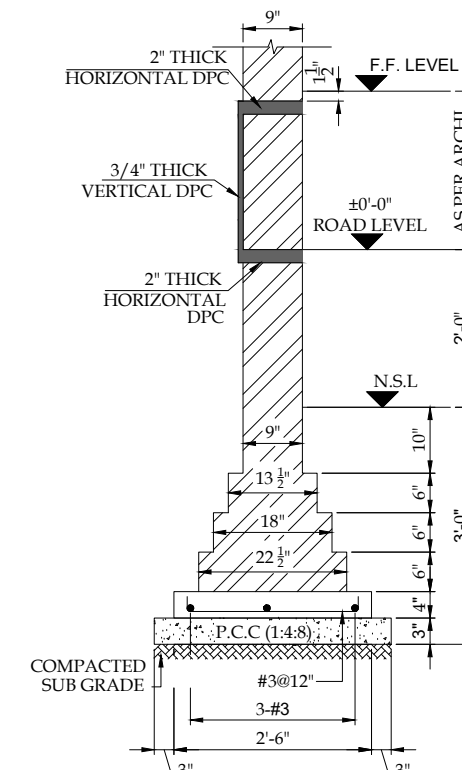
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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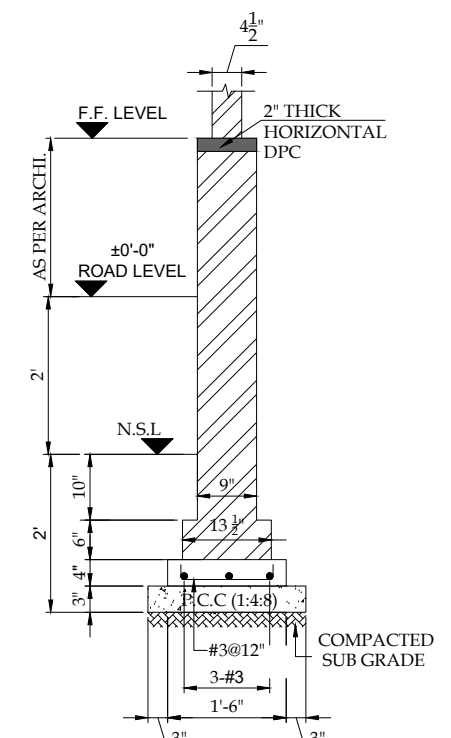
info@ecsp.com.pk www.ecsp.com.pk



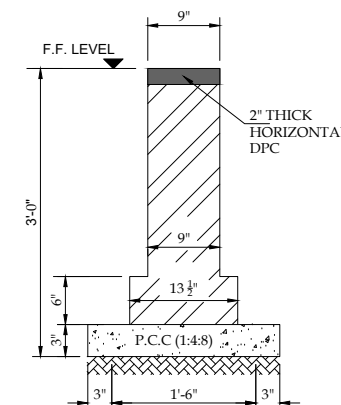
FOUNDATION LAYOUT PLAN



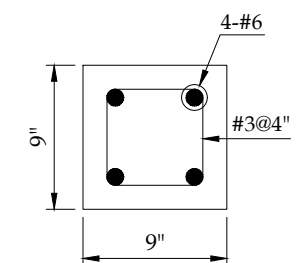
SECTION A-A



SECTION B-B

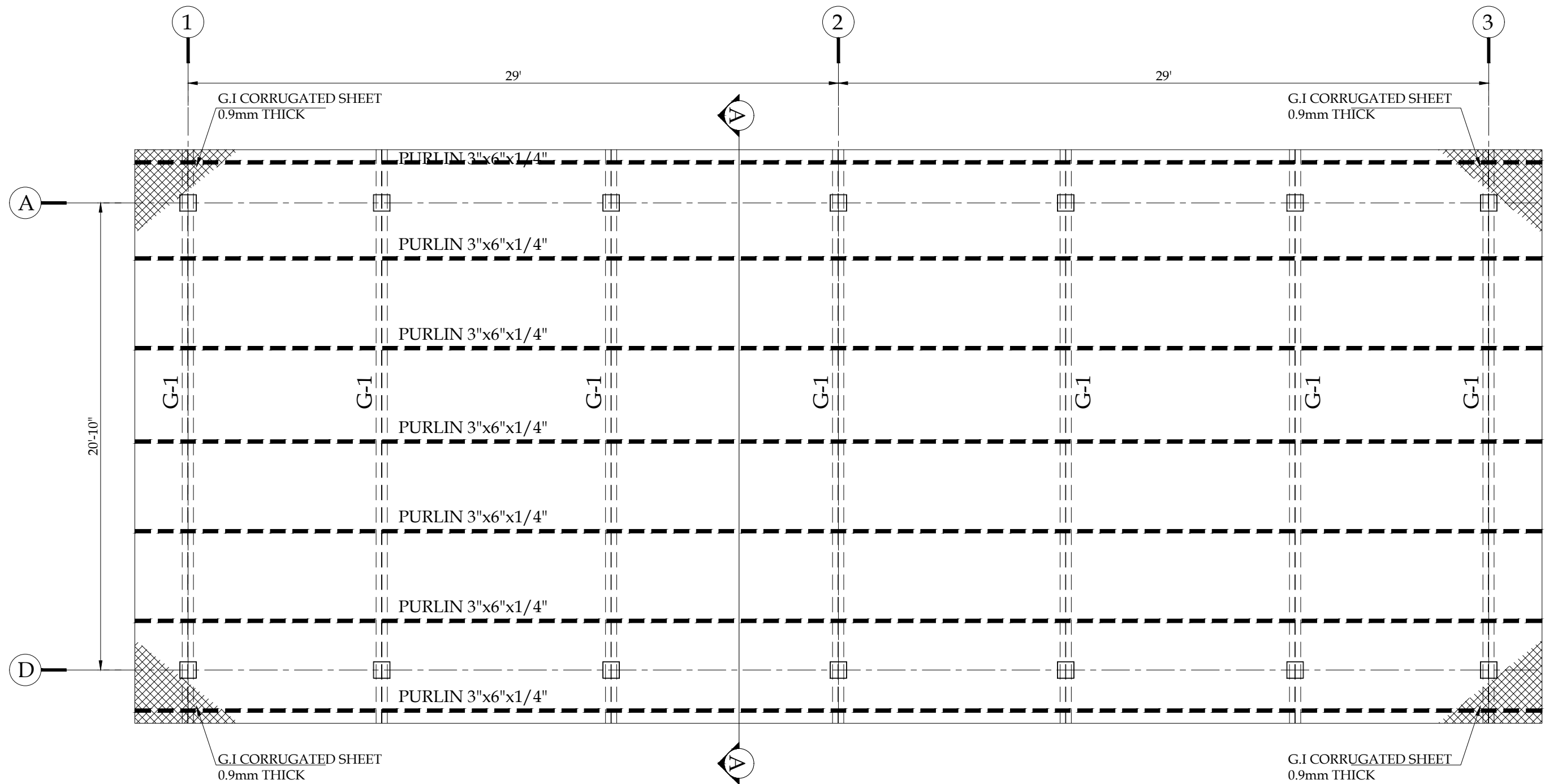


SECTION D-D



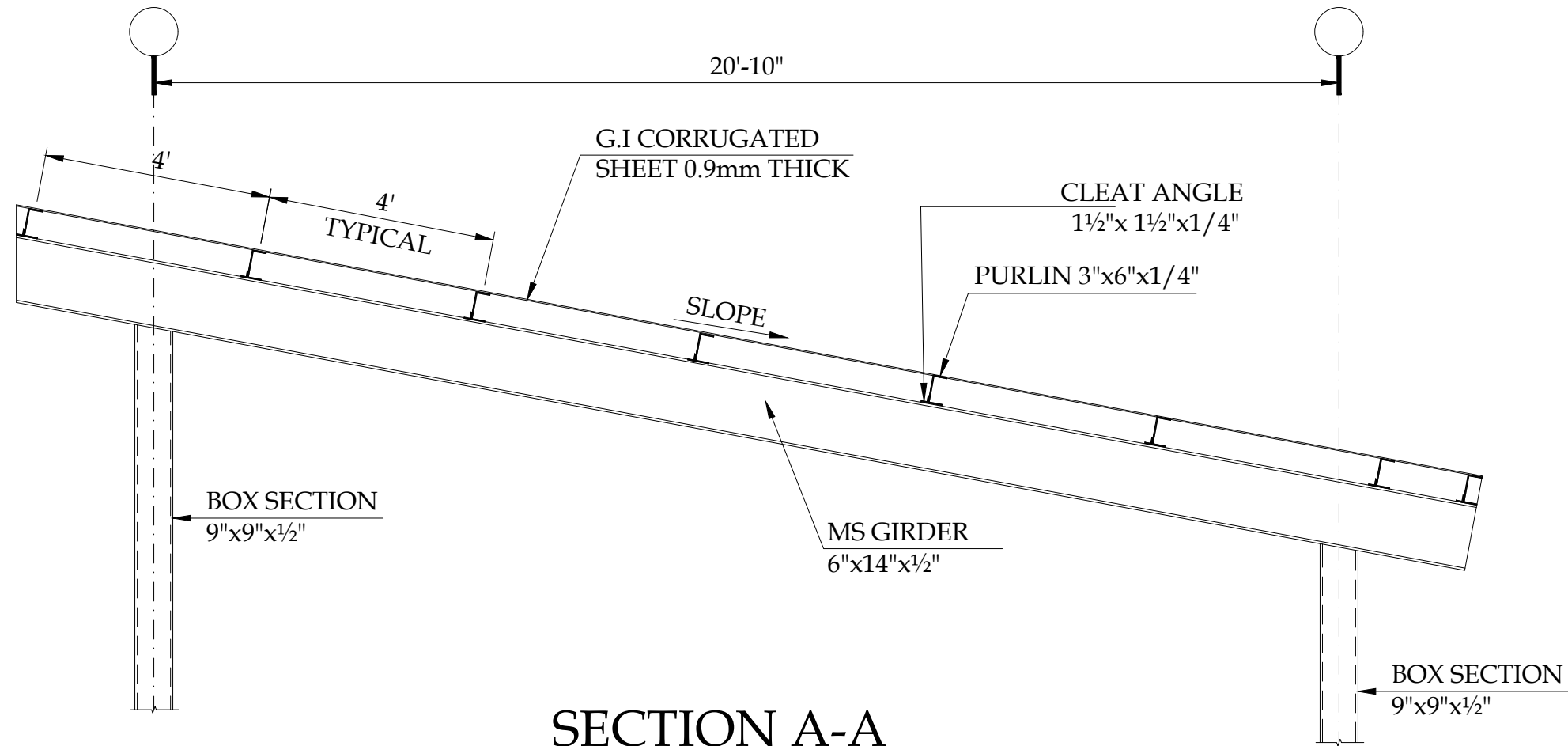
COLUMN C1

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			M.ADNAN			REST ROOMS (6+6)			STR-01					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
									DATE: MARCH, 2025											
									FOUNDATION LAYOUT PLAN & SECTIONAL DETAILS			SCALE:	SHEET:							
													A3							



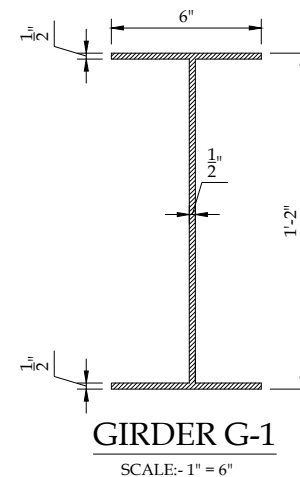
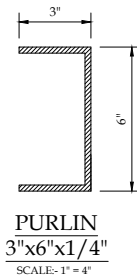
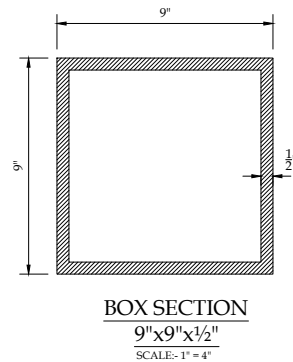
MS ROOF FRAMING PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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	M.ADNAN		REST ROOMS (6+6) MS ROOF FRAMING PLAN		STR-02		SCALE:	SHEET: A3				
				M. ASAD ULLAH											
				NAVEED NAZ											
				SABIR HUSSAIN											
				MARCH, 2025											



SECTION A-A

SCALE:- 1/4" = 1'-0"



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY: M.ADNAN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		 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		DESIGNED BY: M. ASAD ULLAH		REST ROOMS (6+6) ROOF SECTIONAL DETAILS		STR-03					
						CHECKED BY: NAVEED NAZ									
						APPROVED BY: SABIR HUSSAIN									
						DATE: MARCH, 2025									
						SCALE: SHEET: A3									

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.

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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:



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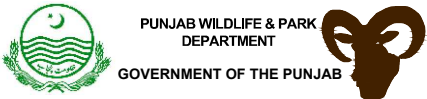
CHANGA MANGA
PROPOSED STRUCTURAL DRAWINGS FOR PC-1
LIST OF DRAWINGS

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:



CONSULTANTS:



ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
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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 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 DISCIPLINE 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 MILLIMETER UNLESS OTHERWISE NOTED.
- 10- 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 APPROVED DISPOSAL AREA AS DIRECTED BY THE ENGINEER.
- 6- ANY OVER EXCAVATED AREAS OR DOUBTFUL PATCHES, AS DIRECTED BY THE ENGINEER 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

Bar Size f _c (PSI)	#	03	04	05	06	07	08
3000		25	33	42	50	73	83

- 5- SPLICE LENGTH

Bar Size f _c (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 SPLICED 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/ft²/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.
- 2- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND STABILITY OF THE ADJACENT EXISTING STRUCTURES AND SHALL PROVIDE ADEQUATE 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 0.12 in.
- 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 0.12 in IN 10 ft.
- 4- ALL BRICK MASONRY FOR WALLS SHALL BE REINFORCED WITH MILD 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.

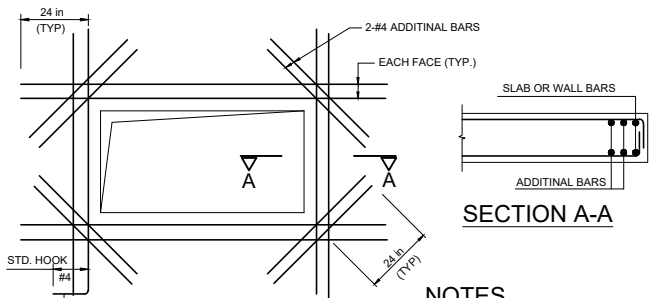
10-ELECTRICAL CONDUITS

- 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

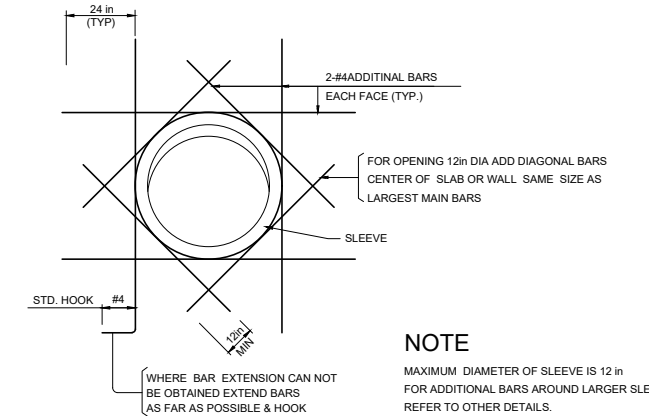
- 1- FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE PERFORMED IN ACCORDANCE WITH AISC SPECIFICATIONS.
- 2- ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36 OR EQUIVALENT AS APPROVED BY THE ENGINEER.
- 3- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF AMERICAN WELDING SOCIETY, AWS, SPECIFICATIONS USING ELECTRODES E70XX.

12- REINFORCEMENT DETAIL AT OPENING IN SLAB/SLEEVES.



NOTES

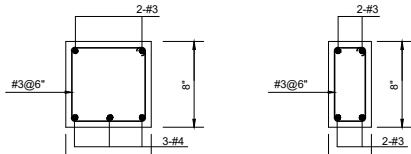
- FOR OPENING WITH MAXIMUM DIMENSION OVER 60 in REFER TO OTHER DETAILS.
- USE THESE DETAILS IF NOT SHOWN IN DESIGN DRAWINGS.



NOTE

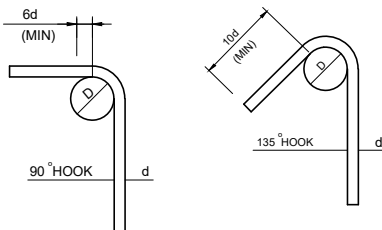
MAXIMUM DIAMETER OF SLEEVE IS 12 in FOR ADDITIONAL BARS AROUND LARGER SLEEVE REFER TO OTHER DETAILS.

13- LINTEL REINFORCEMENT DETAILS. (UP TO 72 in CLEAR SPAN)

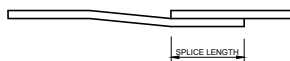


14- STIRRUPS, HOOKS, SPLICES AND REINFORCEMENT

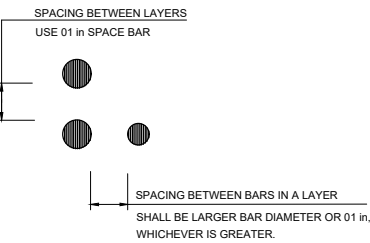
BAR SPACING DETAILS.



STIRRUPS AND TIE HOOKS

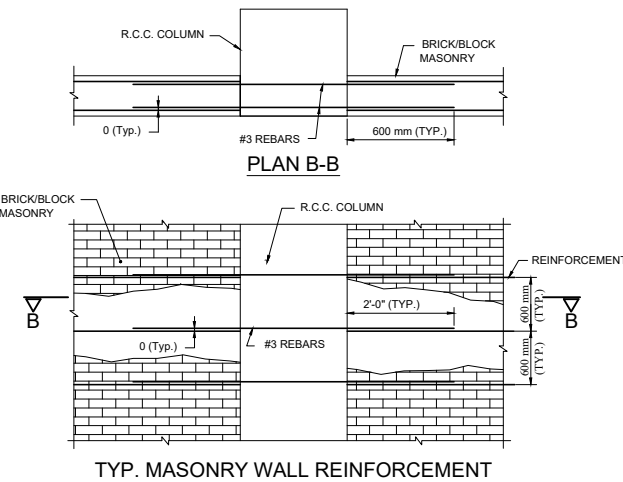


BEAM SPLICE (TYP.)



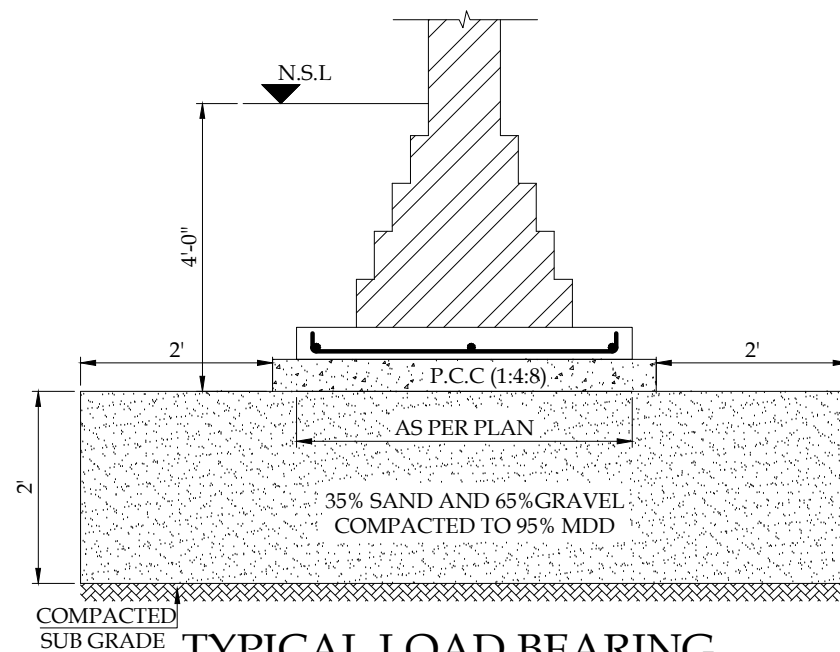
BAR SPACING IN BEAM

15- BRICK MASONRY REINFORCEMENT DETAIL.

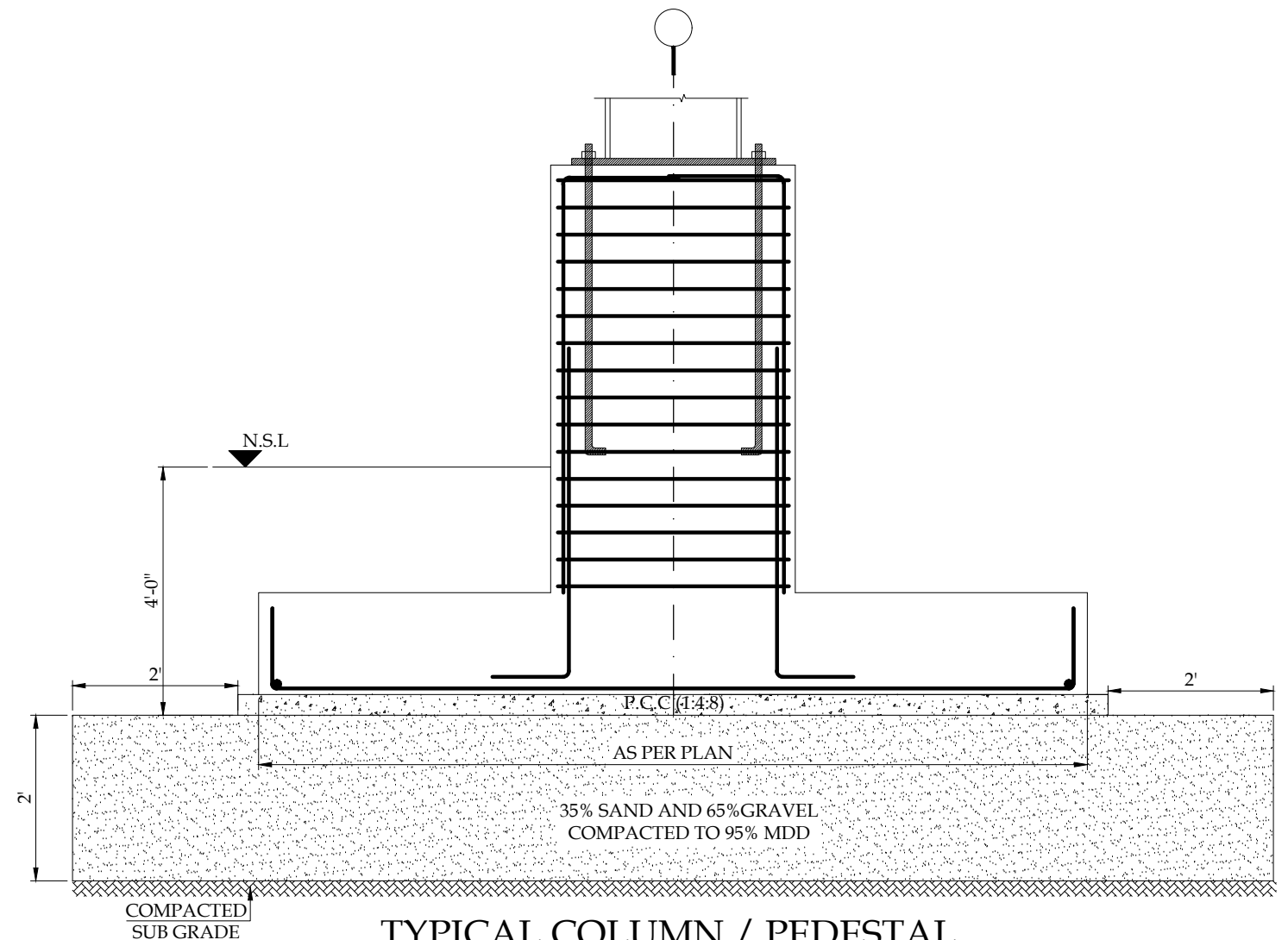


TYP. MASONRY WALL REINFORCEMENT

CLIENT:	CONSULTANTS:	PROJECT:	DRAWN BY:	M.ADNAN	DRAWING TITLE:	DRAWING NO:	REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB	DESIGNED BY:	M. ASAD ULLAH	GENERAL NOTES	STR-0202				
			CHECKED BY:	NAVEED NAZ		SCALE:				
			APPROVED BY:	SABIR HUSSAIN		SHEET:				
			DATE:	MARCH, 2025		A3				



**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:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		TYPICAL LOAD BEARING WALL FOOTING SECTION & COLUMN / PEDESTAL FOUNDATION SECTION		STR-0202A		SCALE:	SHEET:				
											A3						

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:

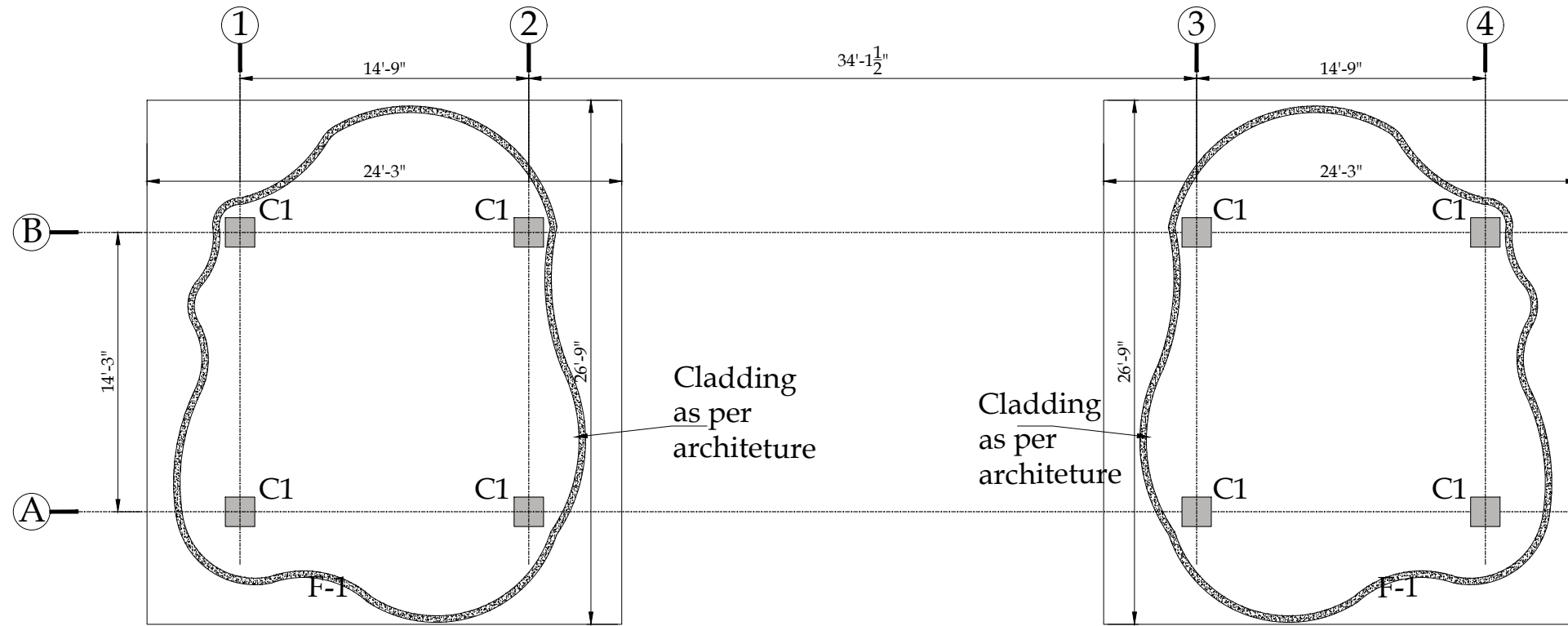


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

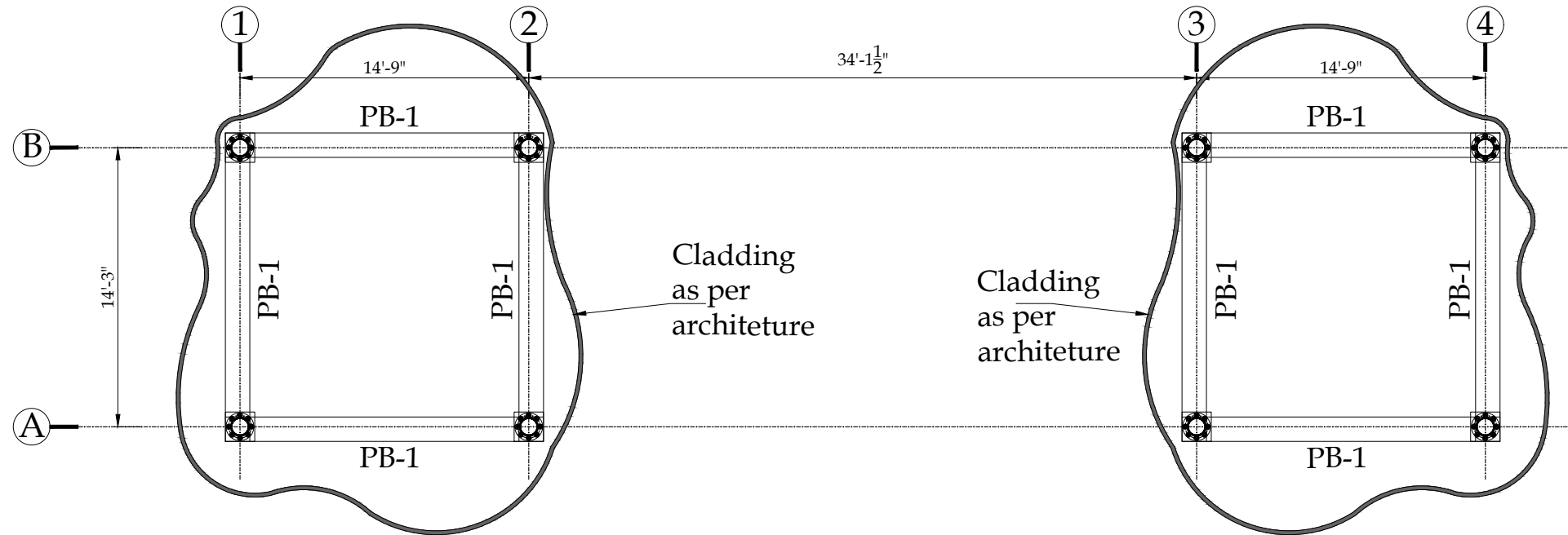
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

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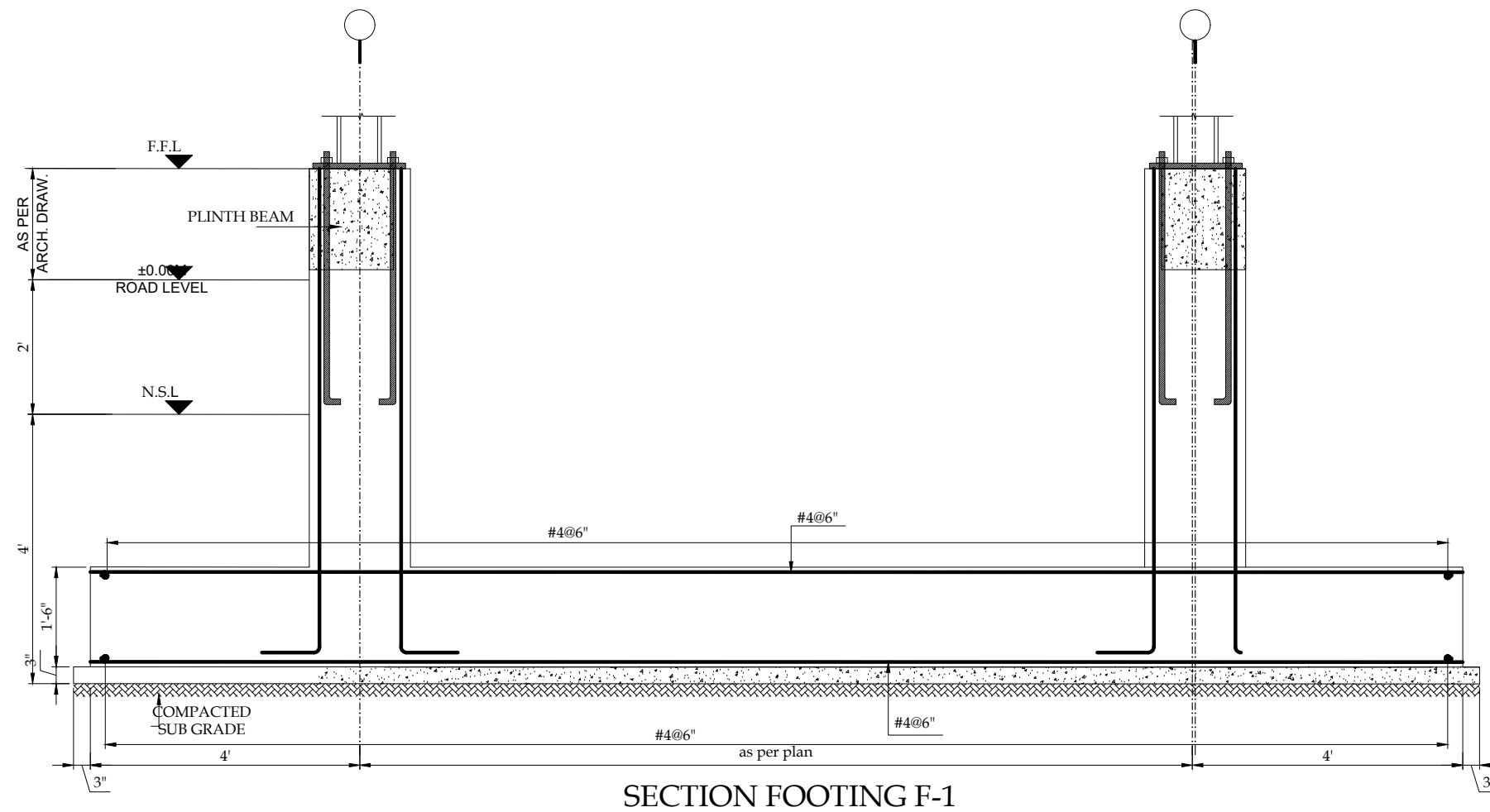
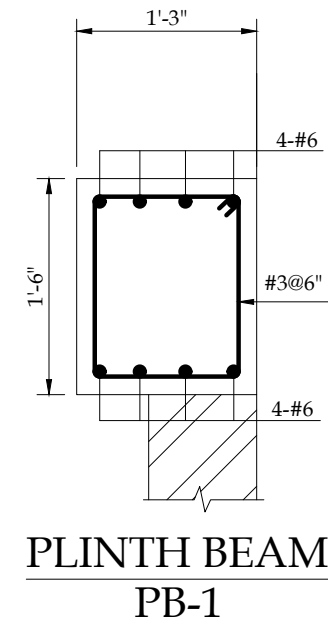
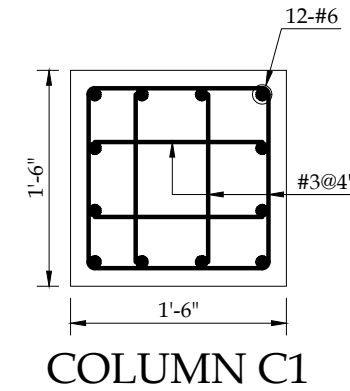
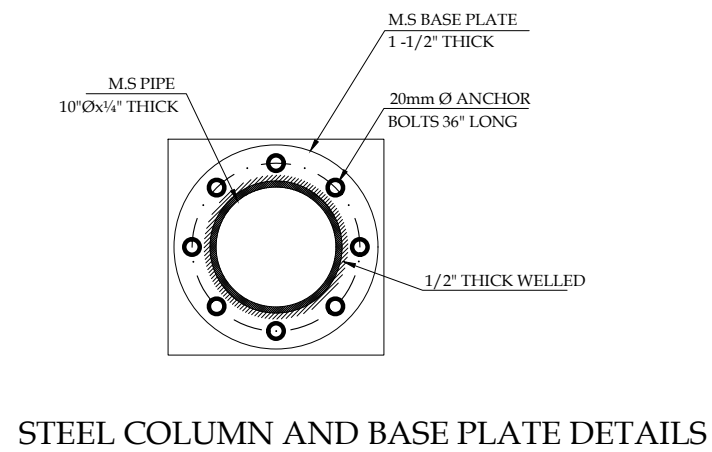
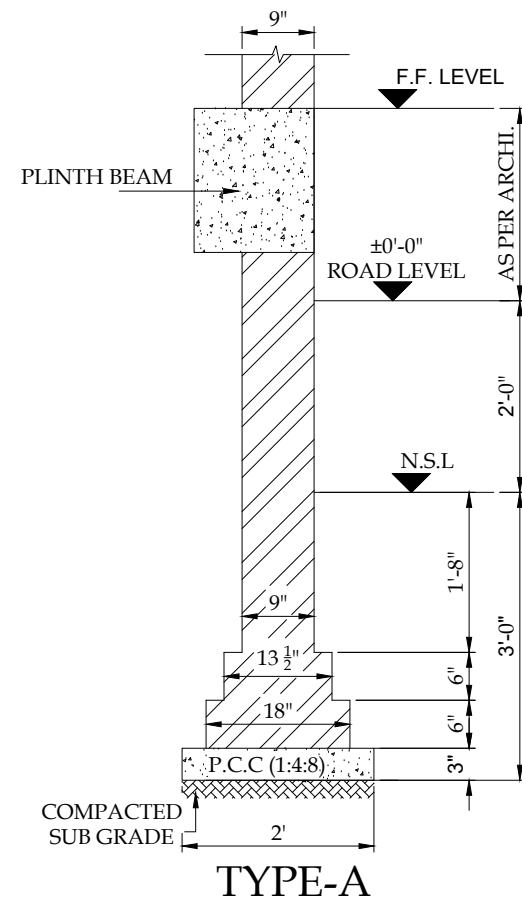
info@ecsp.com.pk www.ecsp.com.pk



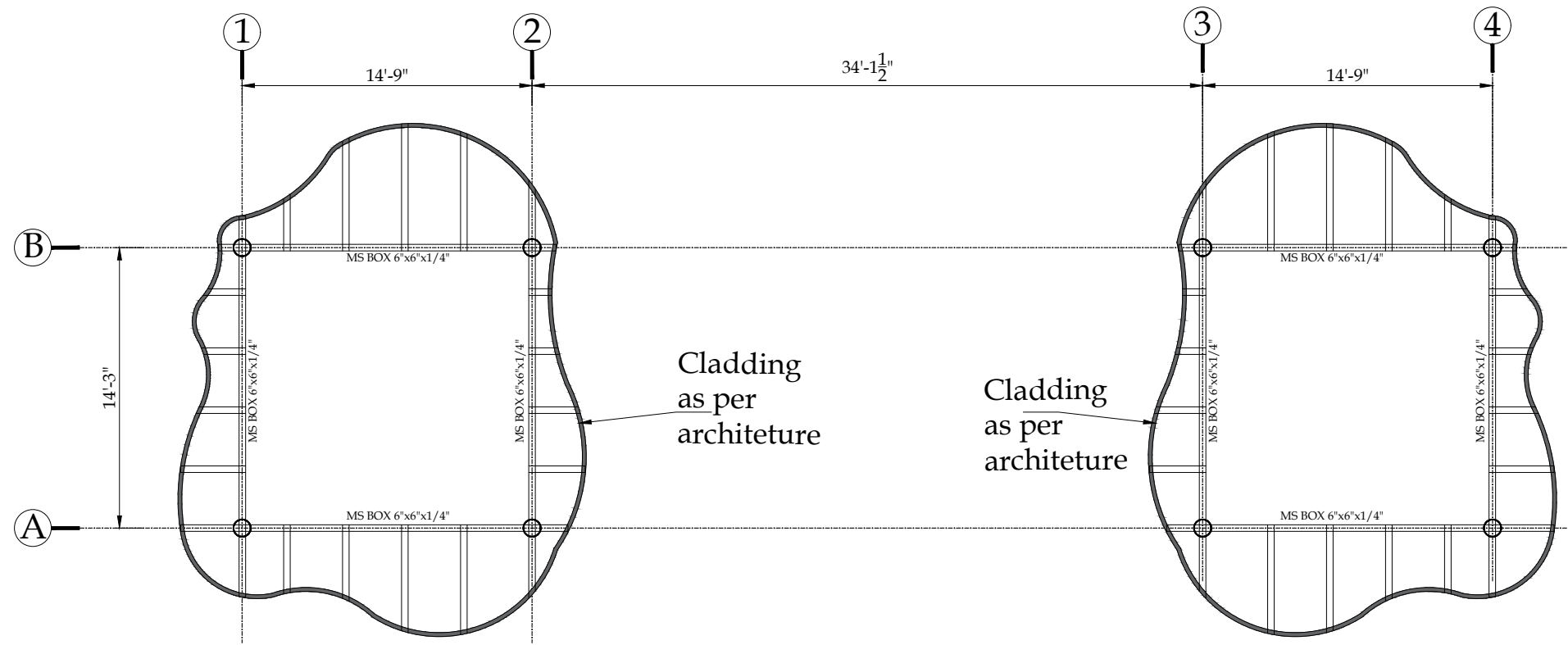
FOUNDATION LAYOUT PLAN



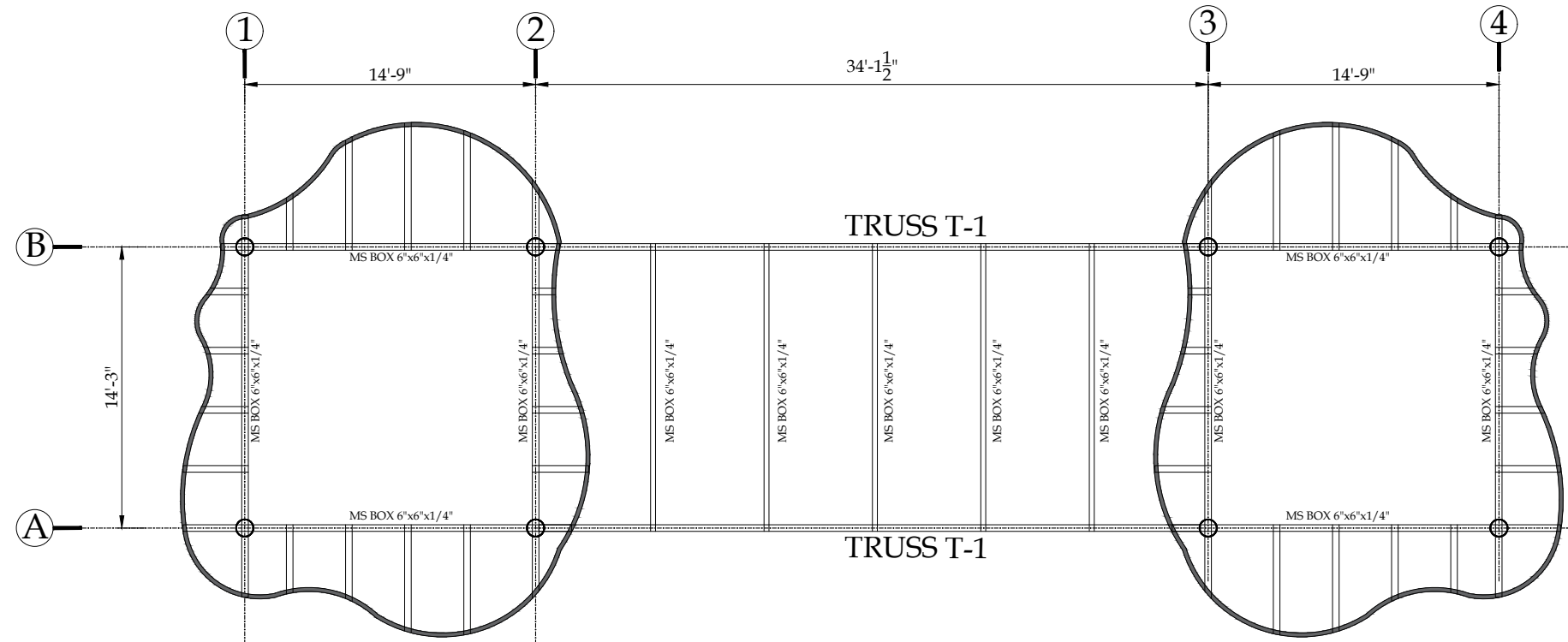
PLINTH BEAM LAYOUT PLAN



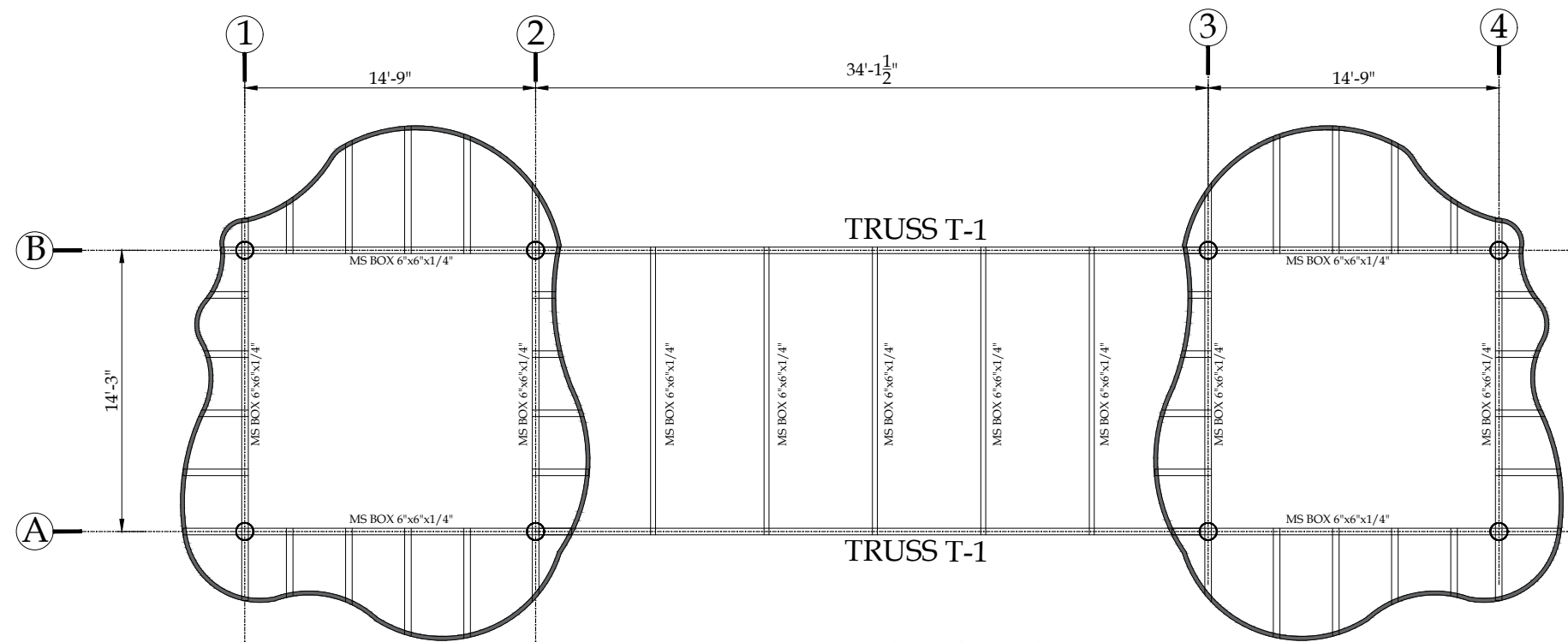
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 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		MASTER 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		MAIN GRAND GATE ENTRANCE FOUNDATION SECTION DETAILS		STR-0204		SCALE: SHEET:									
										A3											



BRACING BEAMS LAYOUT PLAN
AT EVERY 10' FROM PLINTH
LEVEL TO +30'-0"

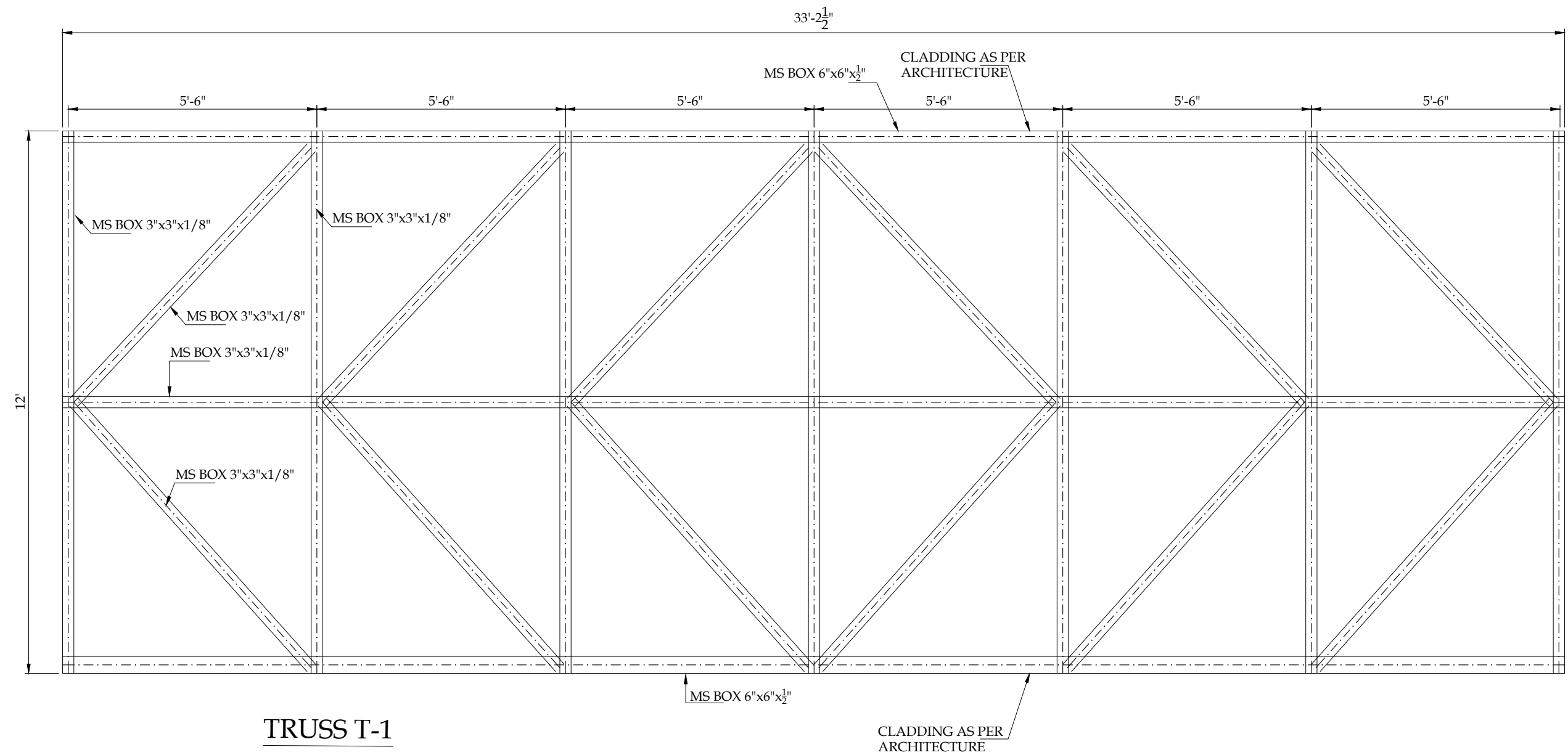


TRUSS AND BRACING BEAM
LAYOUT PLAN AT 33'-0"



TRUSS AND BRACING BEAM
LAYOUT PLAN AT 45'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
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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:

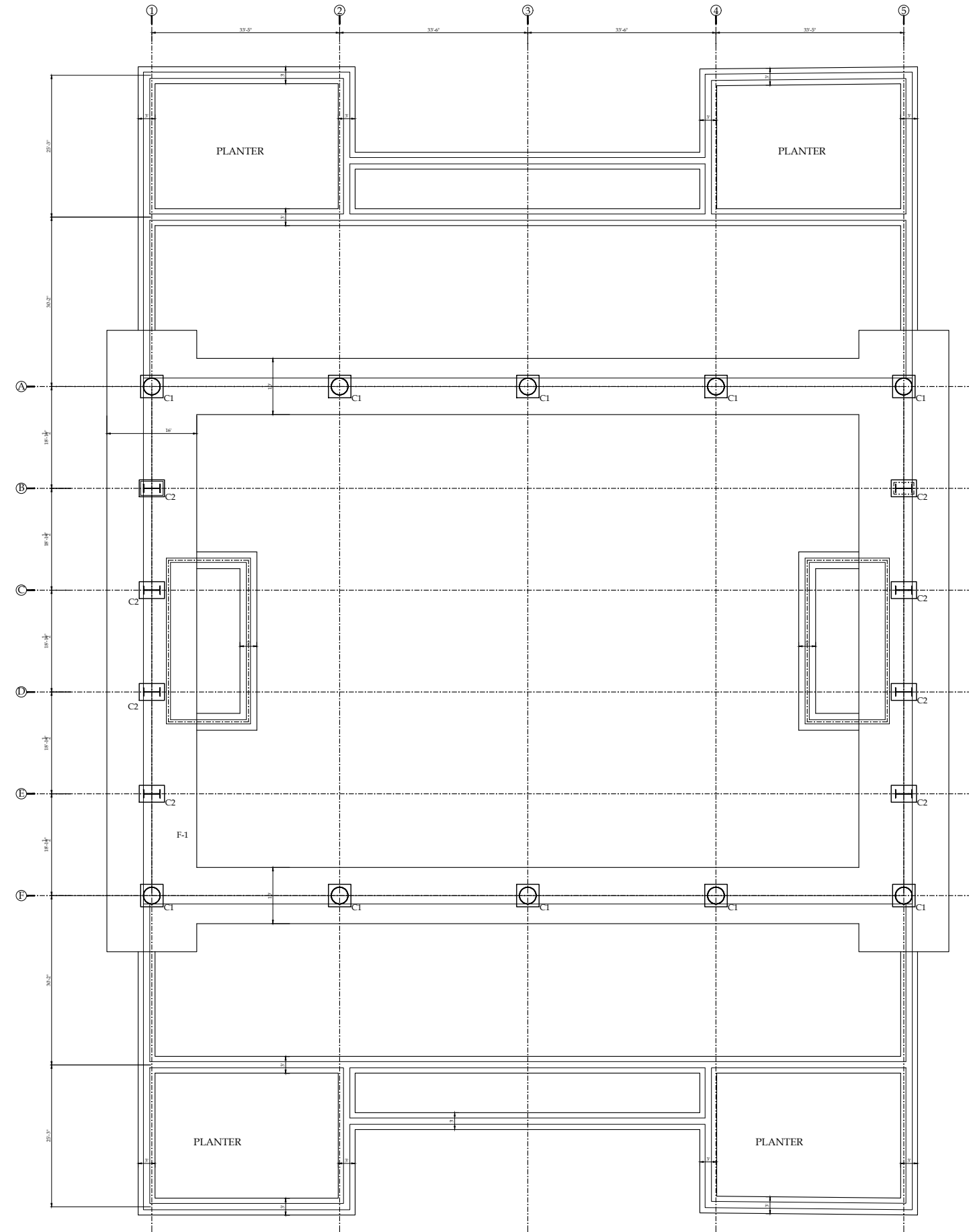


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

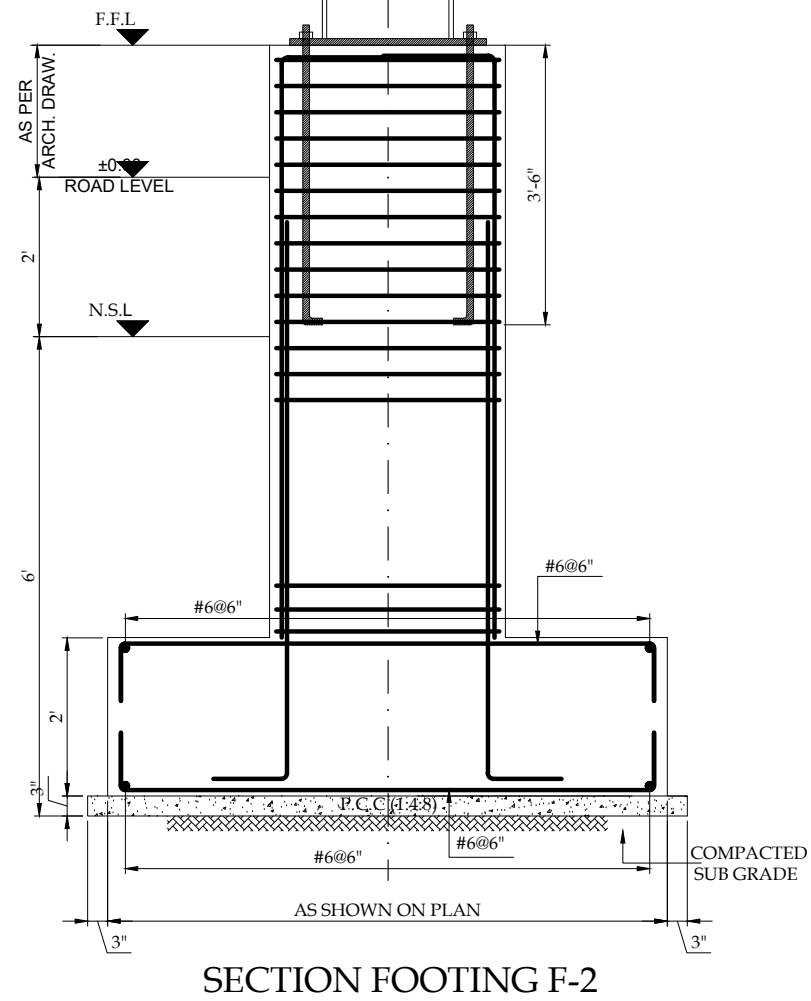
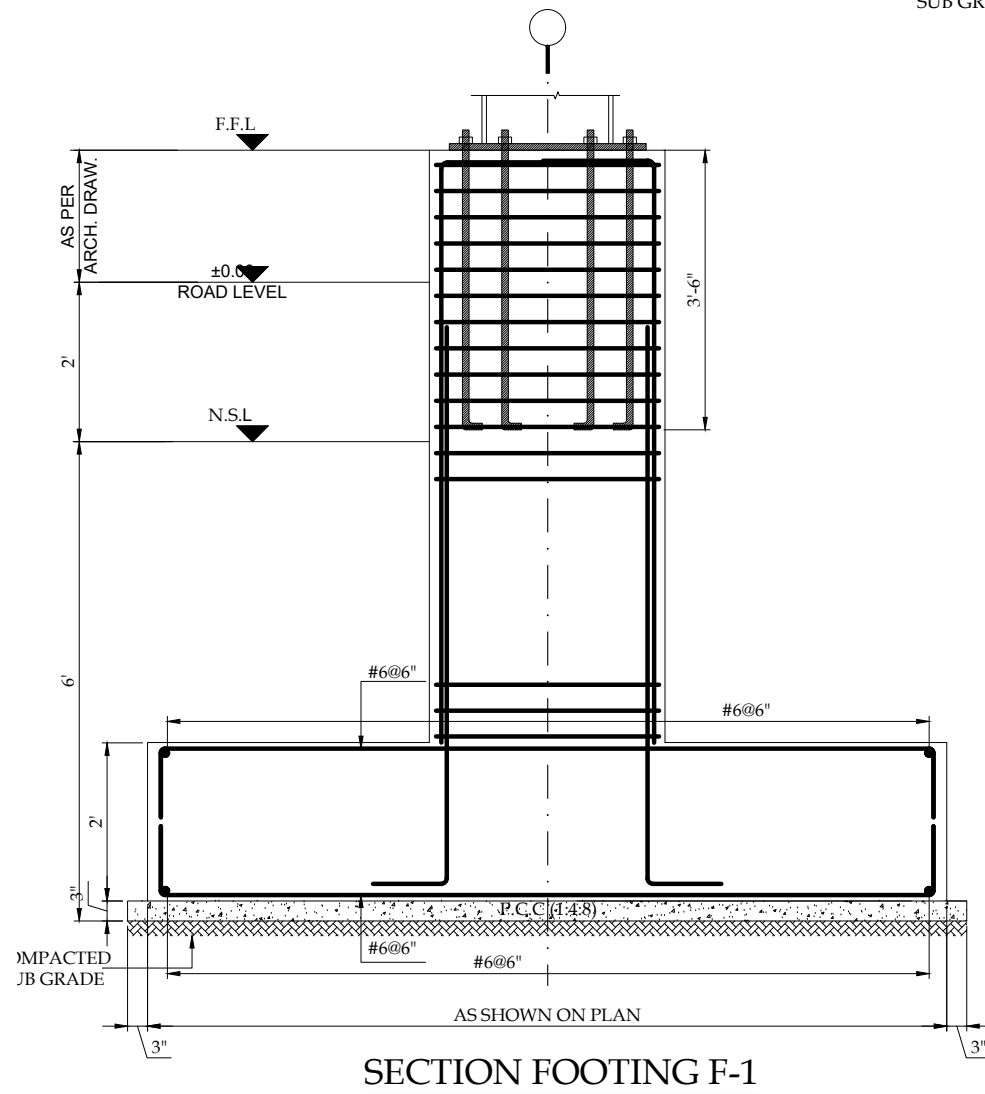
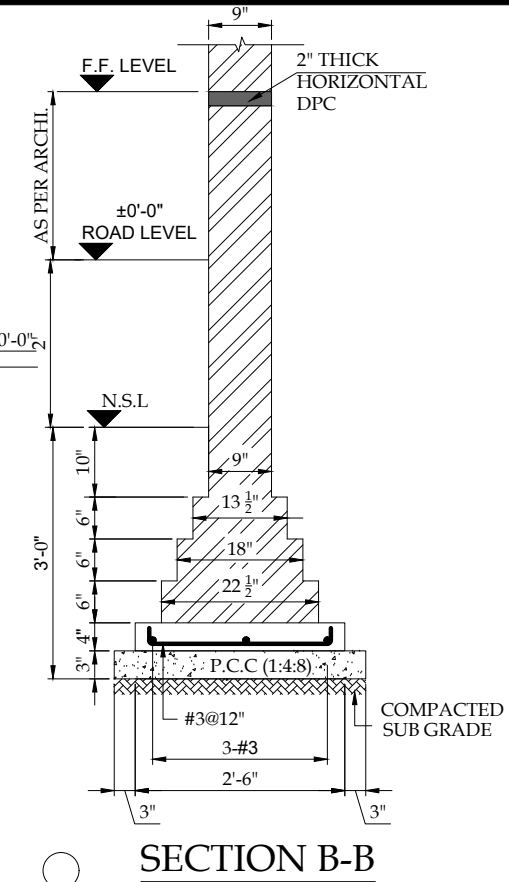
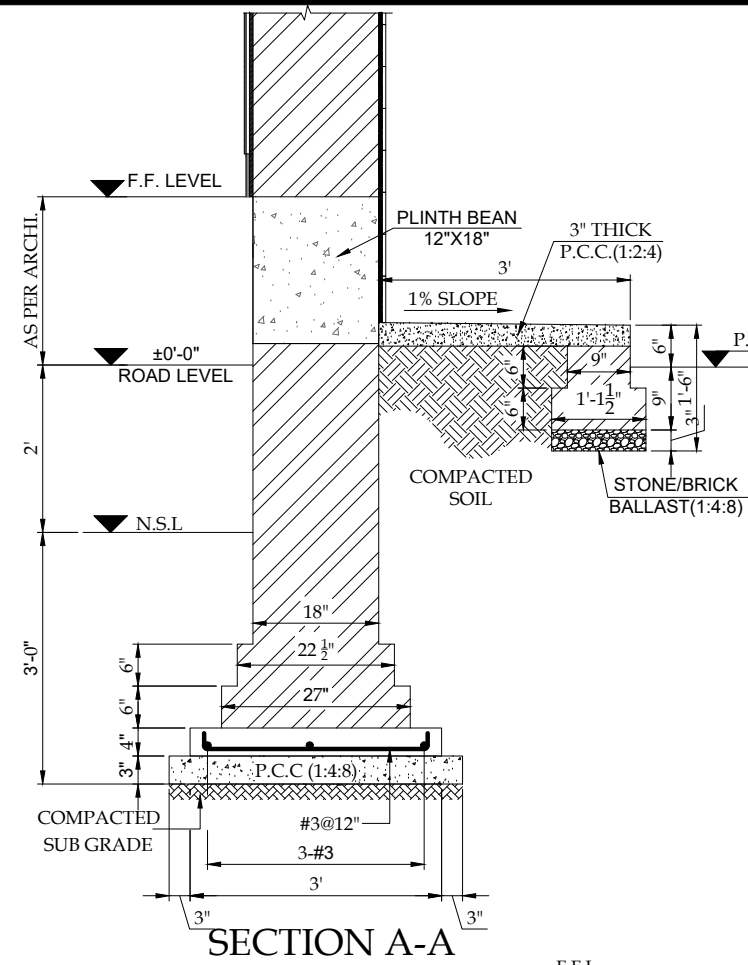
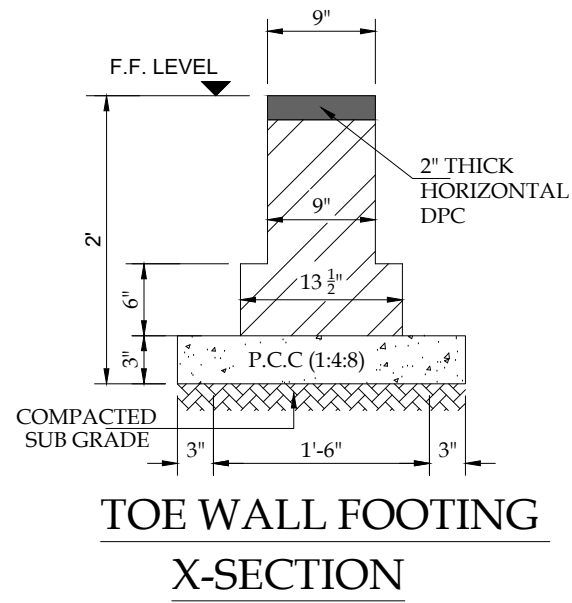
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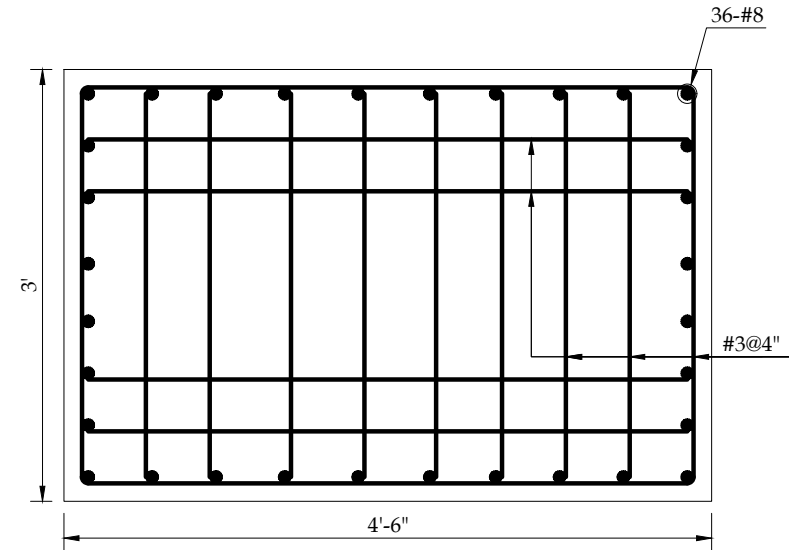


FOUNDATION LAYOUT PLAN

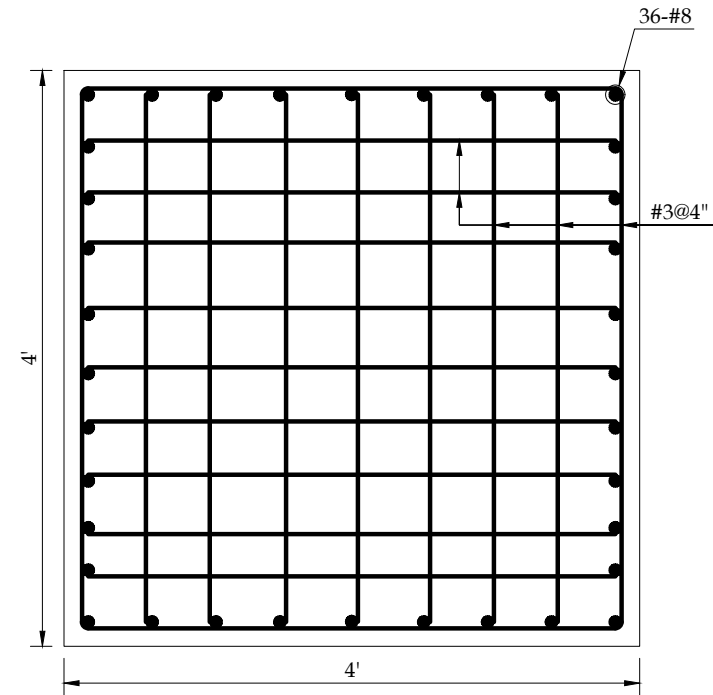
CLIENT: PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	CONSULTANTS: ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB	DRAWN BY: M.ADNAN	DESIGNED BY: M. ASAD ULLAH	CHECKED BY: NAVEED NAZ	APPROVED BY: SABIR HUSSAIN	DATE: MARCH, 2025	DRAWING TITLE: INFORMATION CENTER FOUNDATION LAYOUT PLAN	DRAWING NO: STR-0301		REV.	DESCRIPTION	SIGN.	DATE
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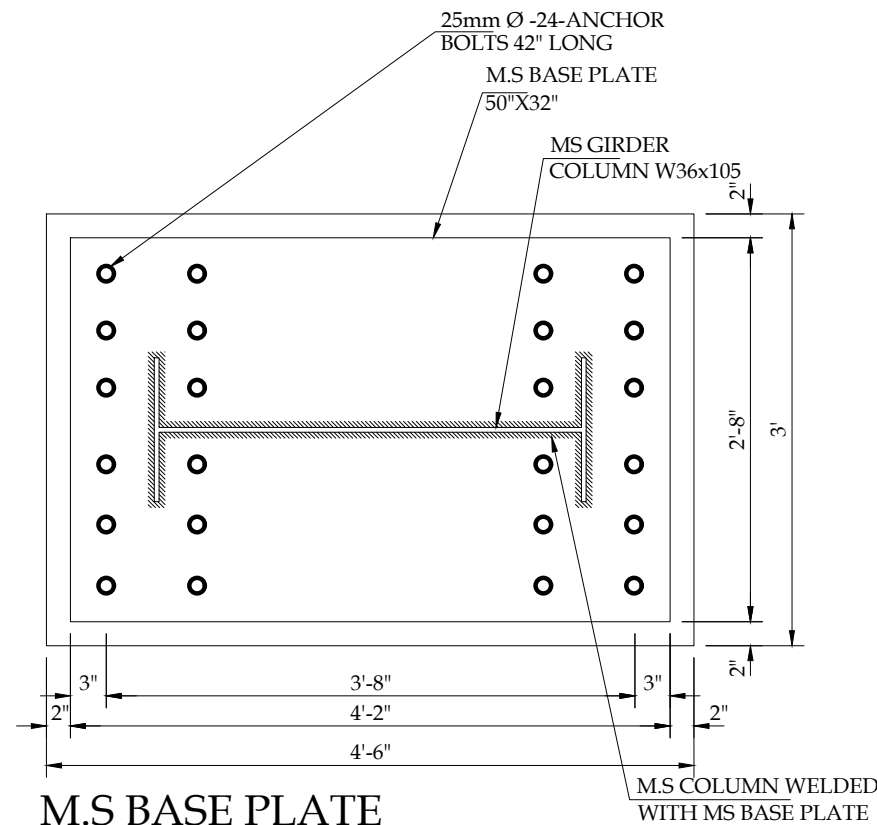
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 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		MASTER 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		INFORMATION CENTER FOUNDATION SECTION DETAILS		STR-0302 SCALE: SHEET: A3					



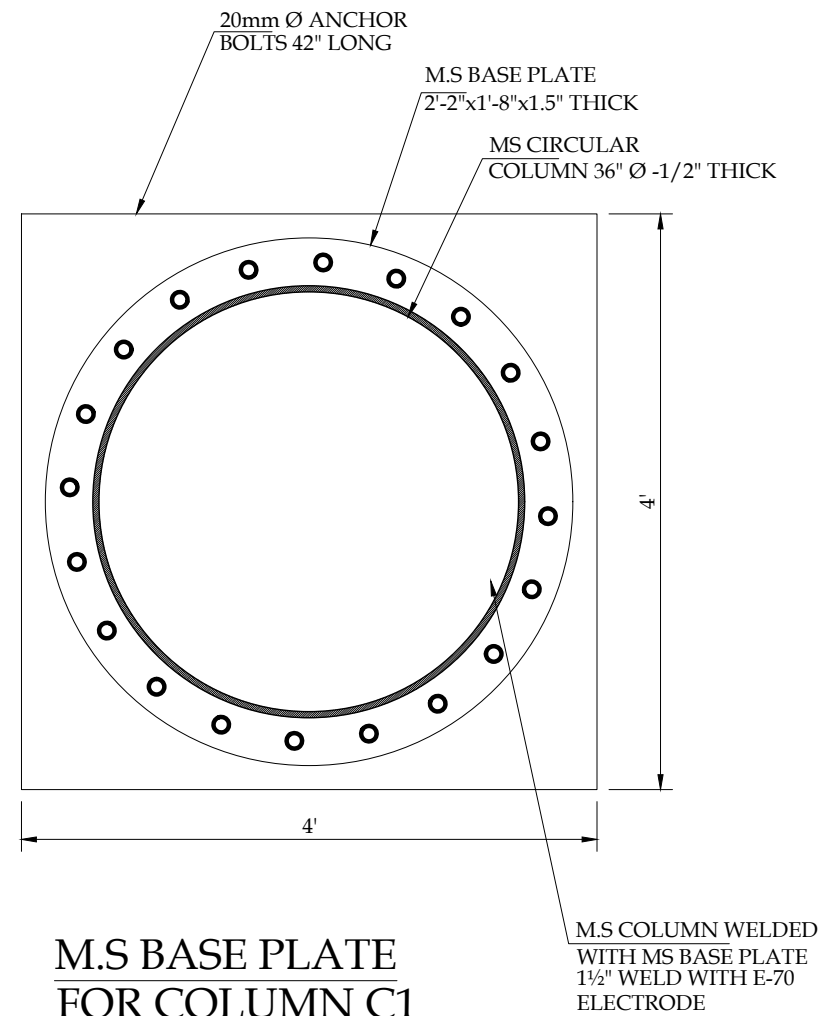
COLUMN C2



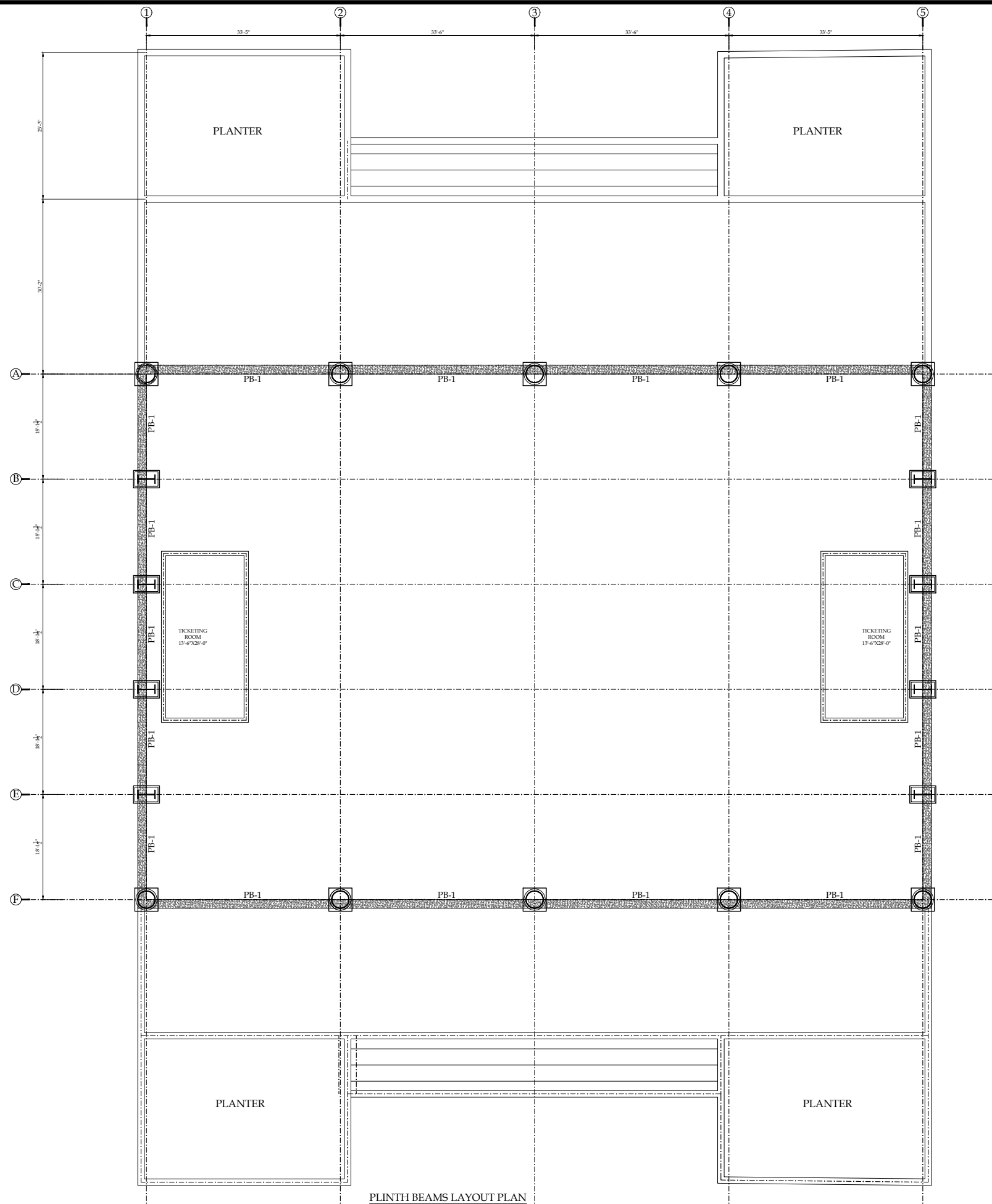
COLUMN C1



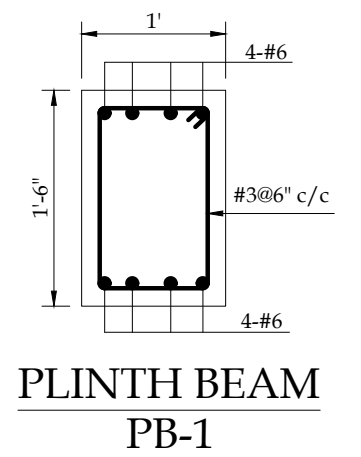
**M.S. BASE PLATE
FOR COLUMN C2**



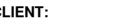
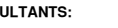
**M.S. BASE PLATE
FOR COLUMN C1**

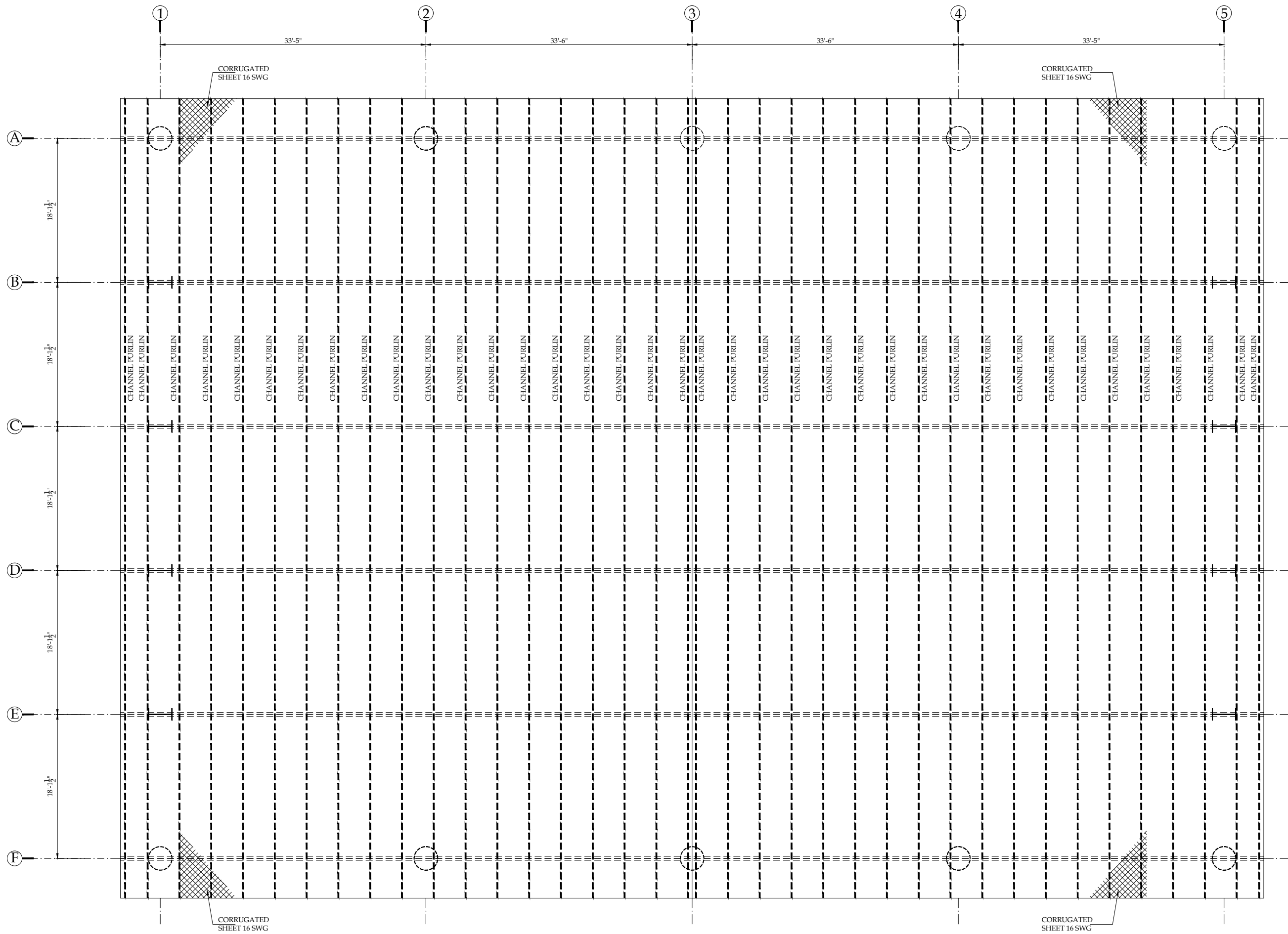


PLINTH BEAMS LAYOUT PLAN



PLINTH BEAM
PB-1

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		STR-0304 INFORMATION CENTER PLINTH BEAM LAYOUT PLAN & SECTION DETAIL		STR-0304 SCALE: SHEET: A3					



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.
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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

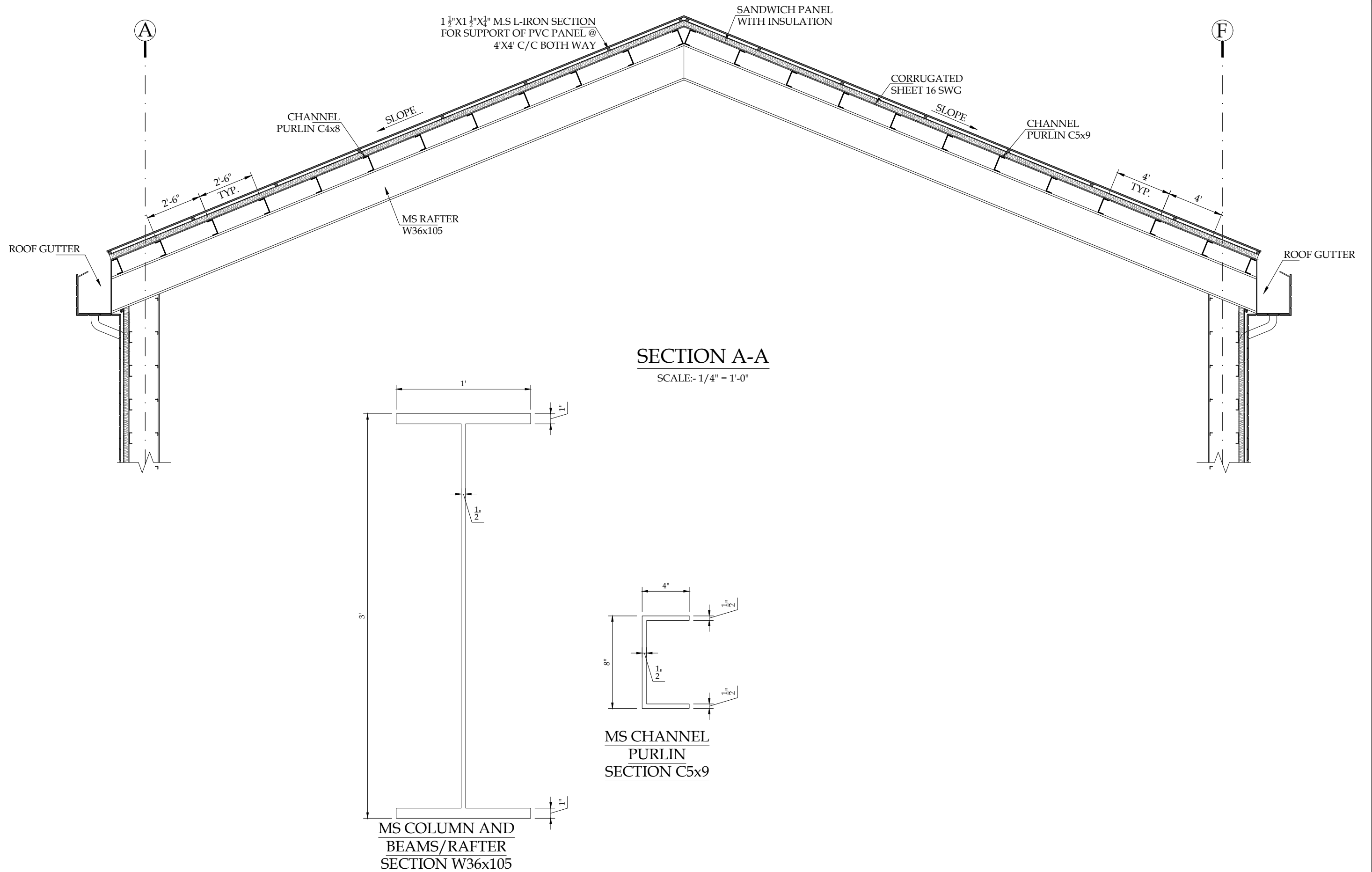
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INFORMATION
CENTER

STEEL ROOF PLAN

DRAWING NO:	
STR-0305	
SCALE:	SHEET:
	A3

REV.	DESCRIPTION	SIGN.	DATE



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		INFORMATION CENTER TRUSS ELEVATION		STR-0306		SCALE:	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:

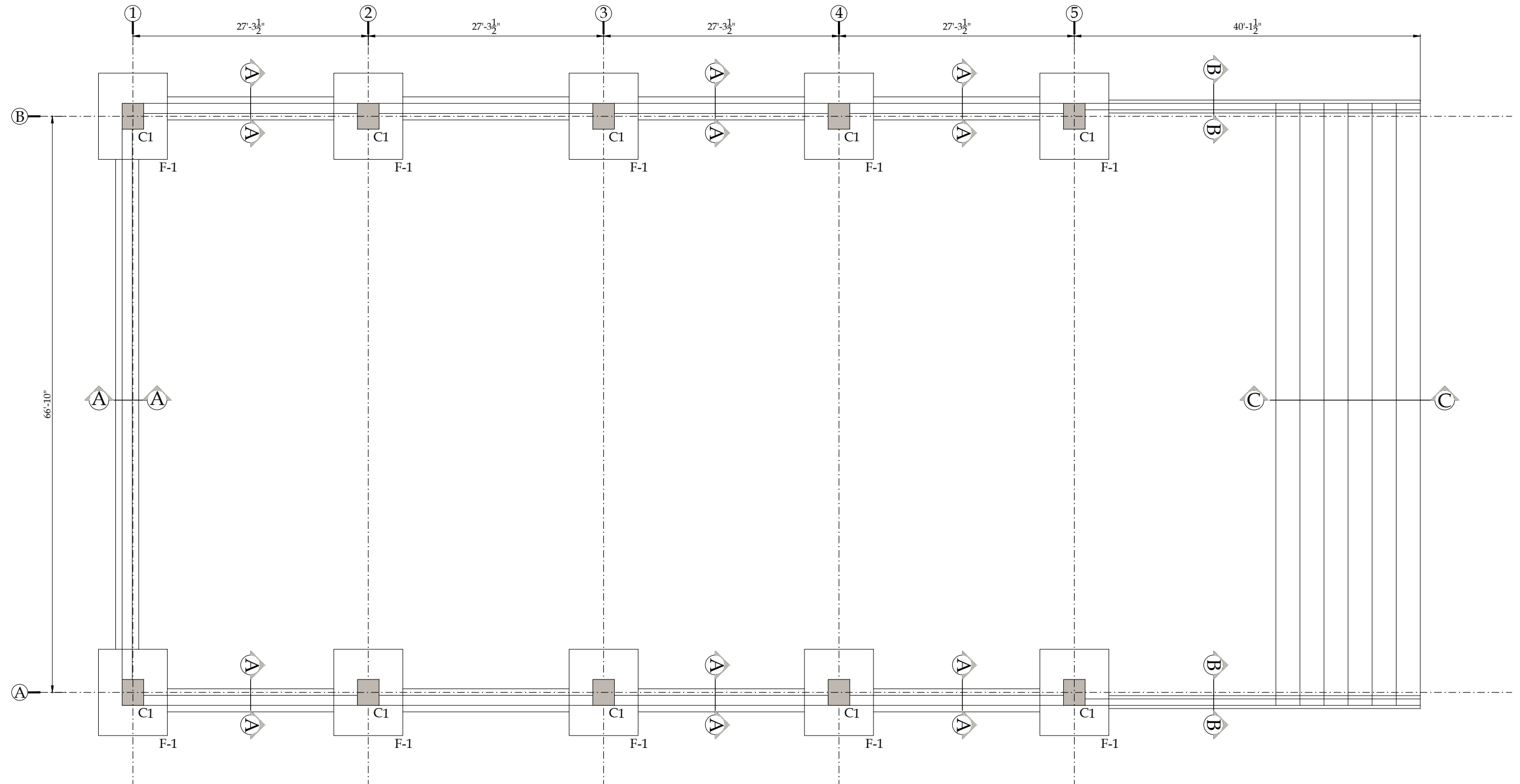


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

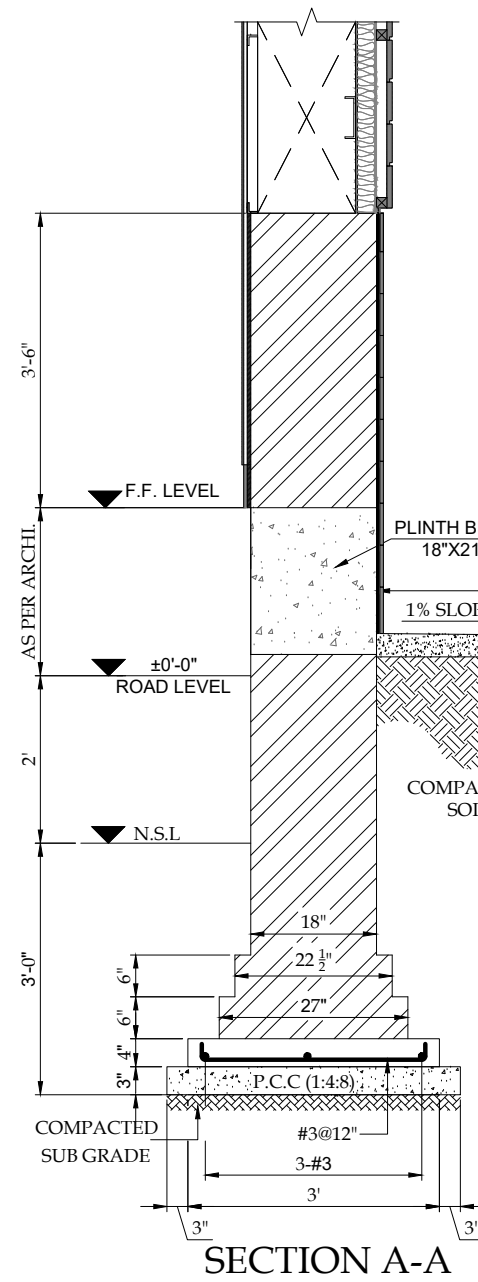
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

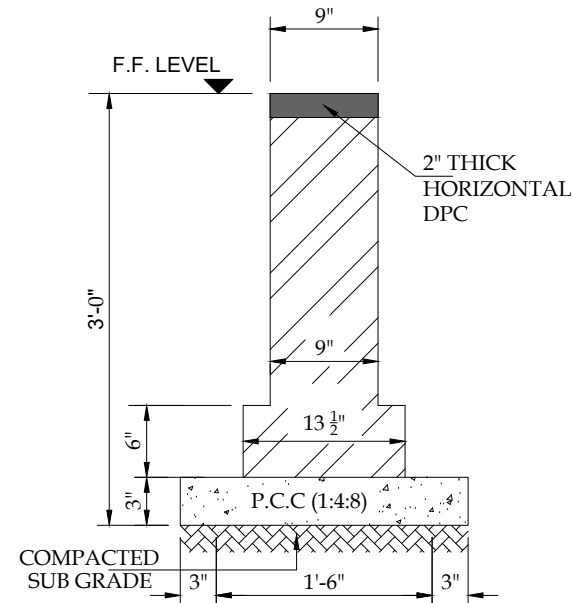


FOUNDATION LAYOUT PLAN

CLIENT:  PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	CONSULTANTS:  ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). P-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: RESEARCH CENTER FOUNDATION LAYOUT PLAN	DRAWING NO: STR-0401 SCALE: SHEET: A3	REV.	DESCRIPTION	SIGN.	DATE

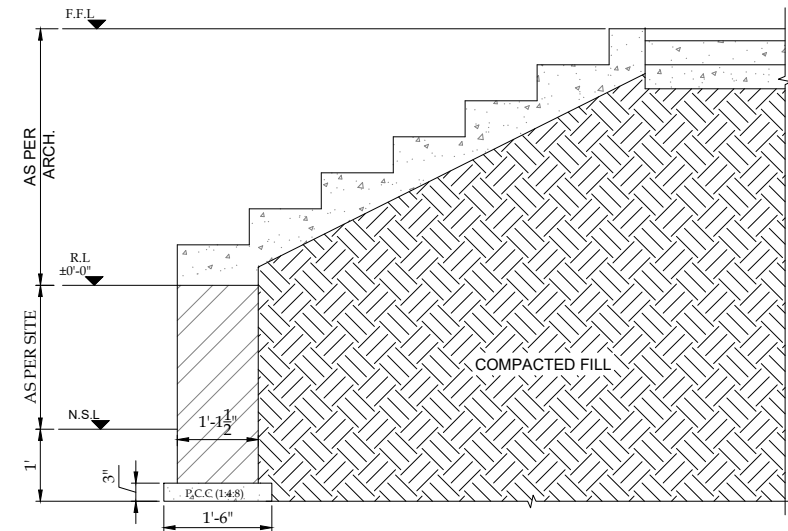


SECTION A-A

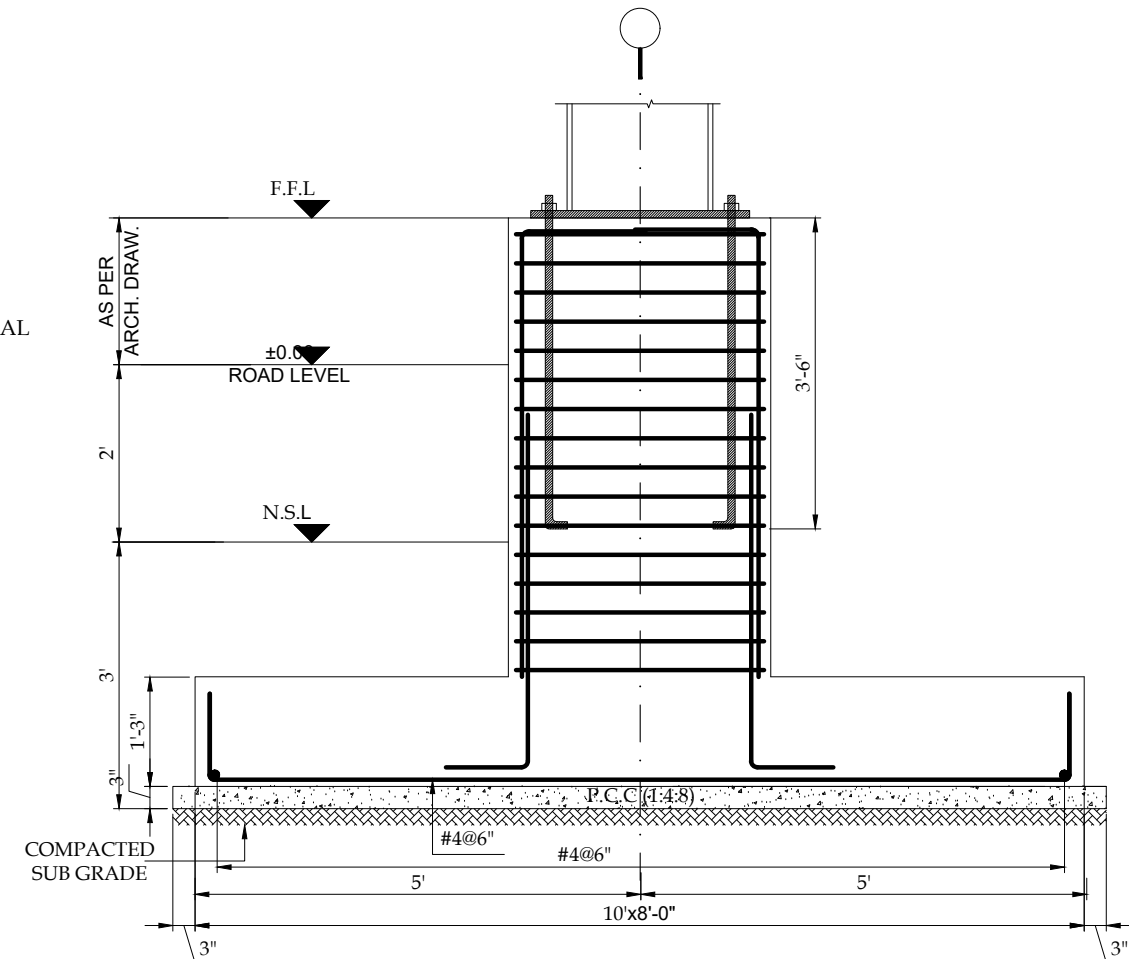


SECTION B-B

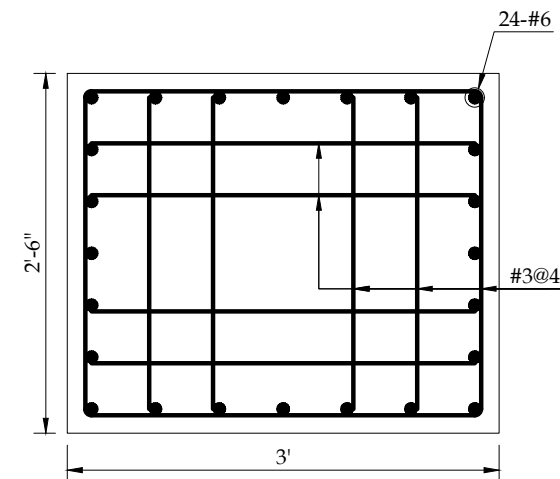
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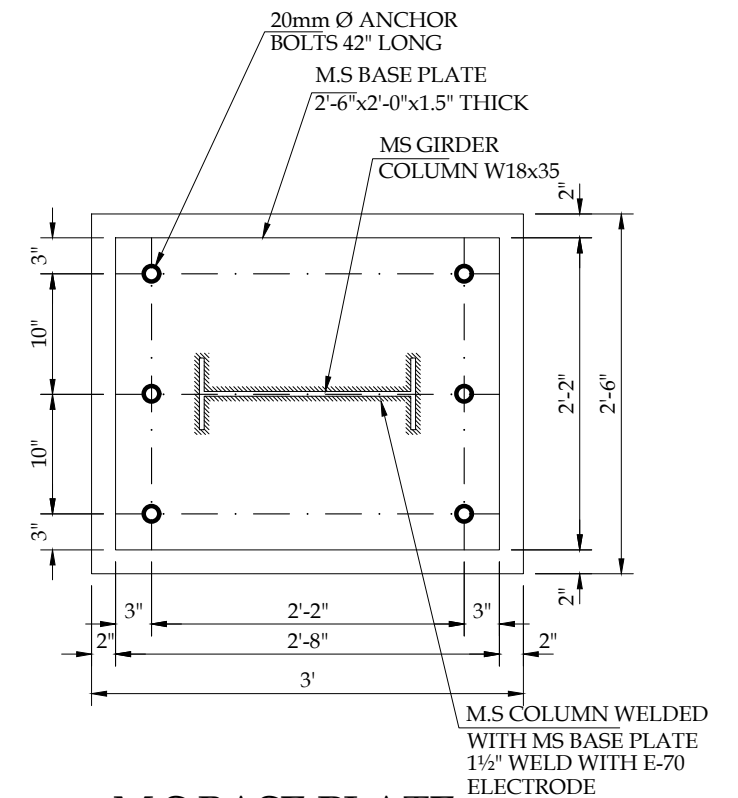
SECTION C-C



SECTION FOOTING F-1

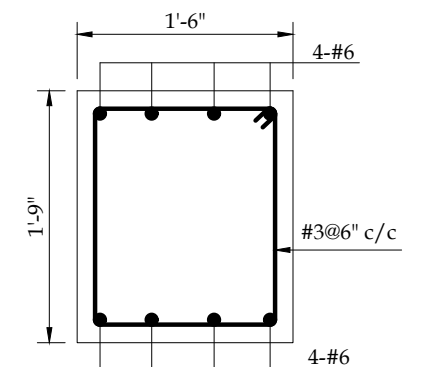
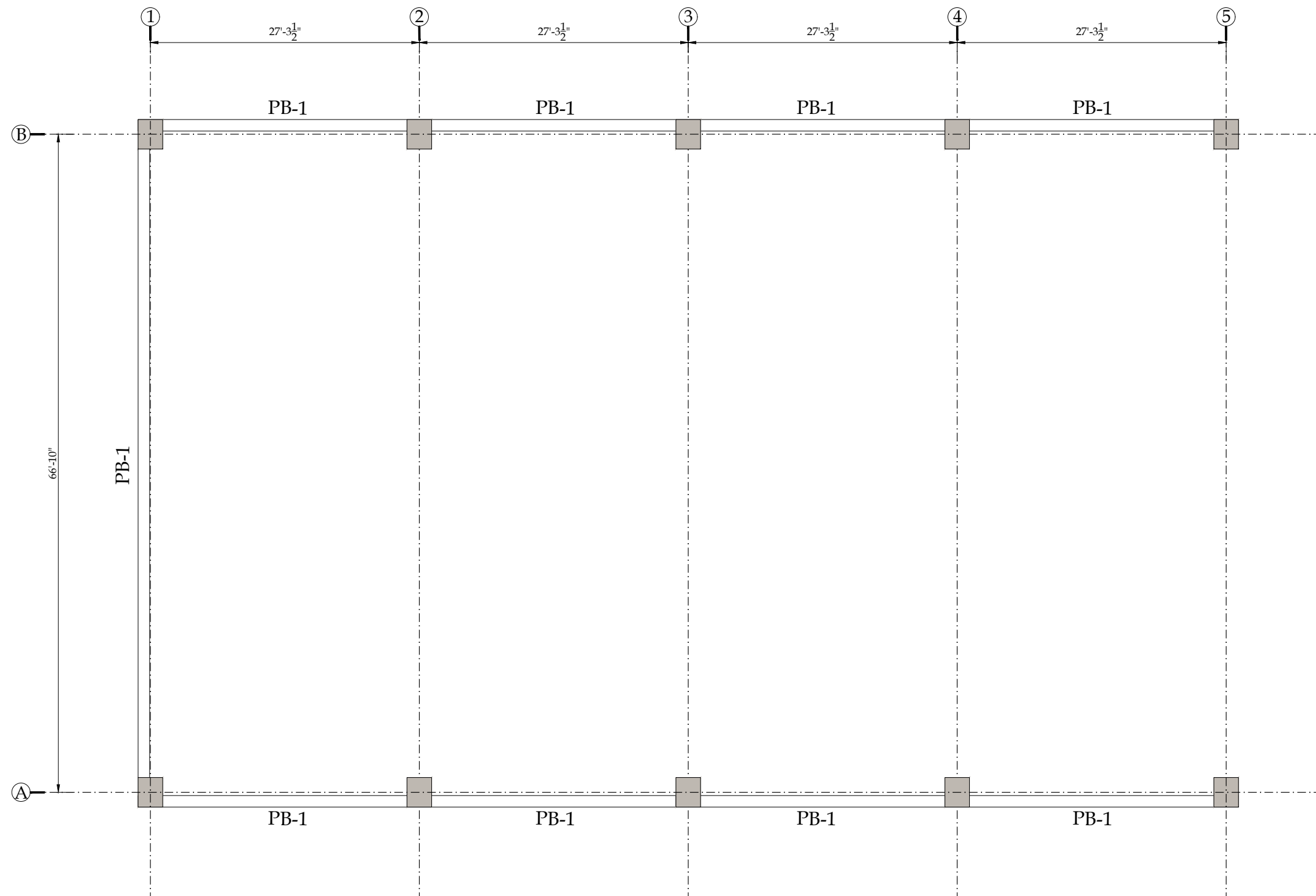


COLUMN C1



M.S. BASE PLATE FOR COLUMN C1

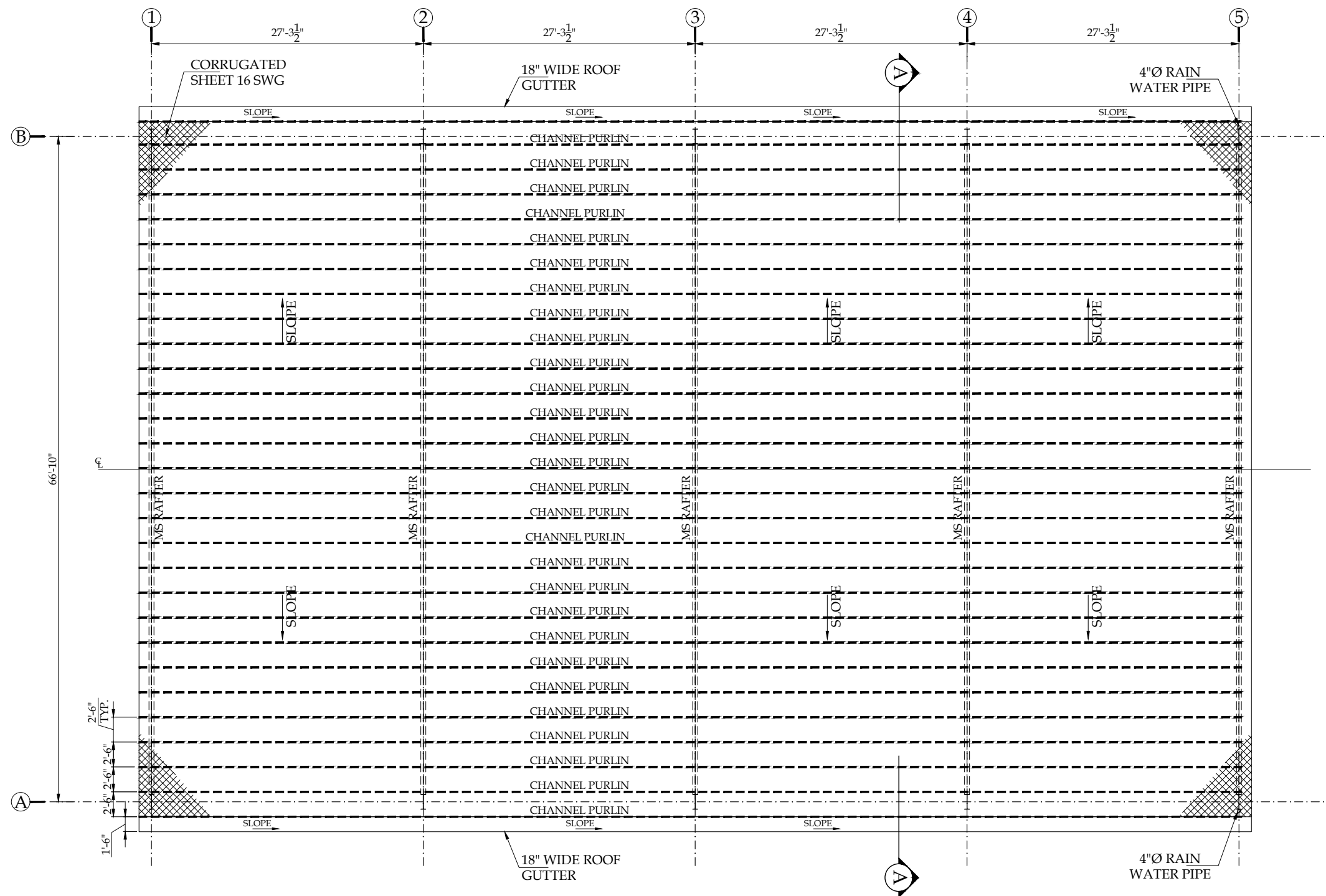
CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		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		RESEARCH CENTER FOUNDATION SECTION DETAILS		STR-0402		SCALE:	SHEET:				
											A3						



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). P-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 PLINTH BEAM LAYOUT PLAN & SECTION DETAIL	DRAWING NO: STR-0403	REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY: M. ASAD ULLAH						
			CHECKED BY: NAVEED NAZ		SCALE:	SHEET:			
			APPROVED BY: SABIR HUSSAIN			A3			
			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 DESIGNED BY: M. ASAD ULLAH CHECKED BY: NAVEED NAZ APPROVED BY: SABIR HUSSAIN DATE: MARCH, 2025	DRAWING TITLE: RESEARCH CENTER MS ROOF FRAMING PLAN	DRAWING NO: STR-0404 SCALE: 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

RESIDENTIAL FACILITY

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

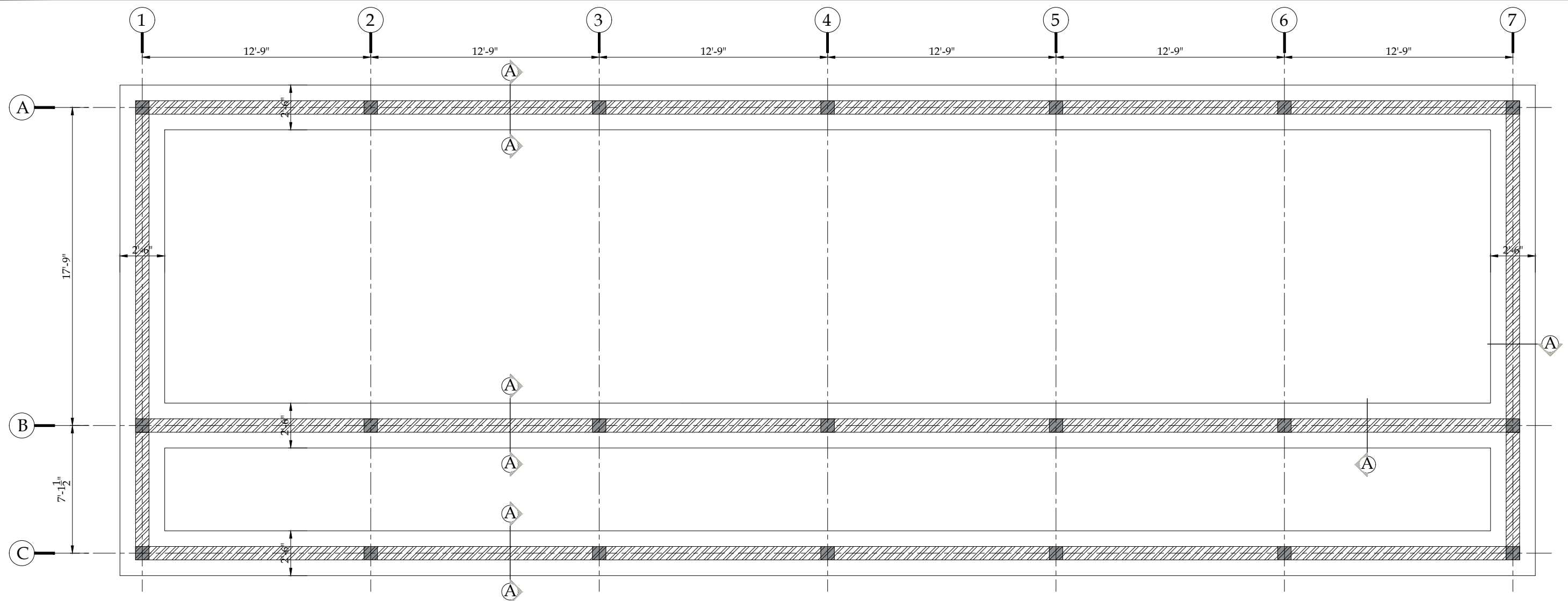


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

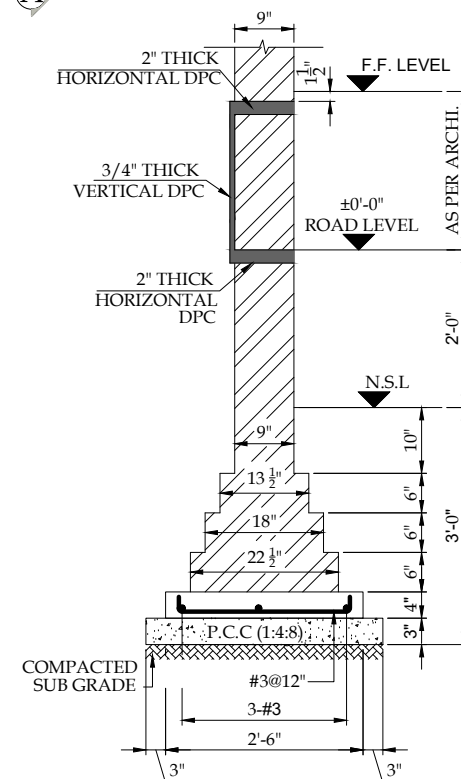
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

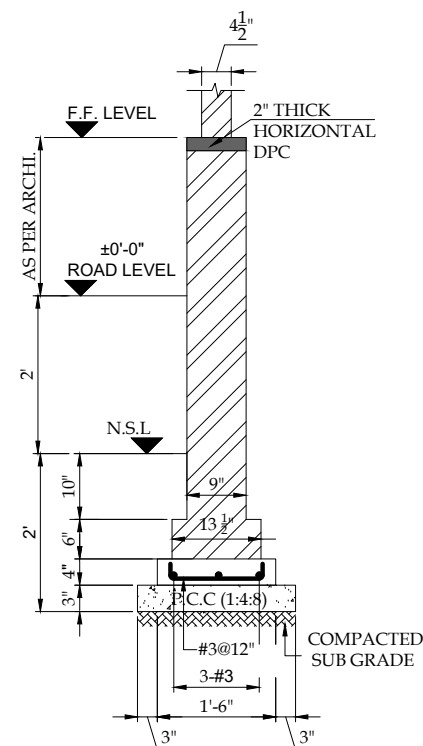
info@ecsp.com.pk www.ecsp.com.pk



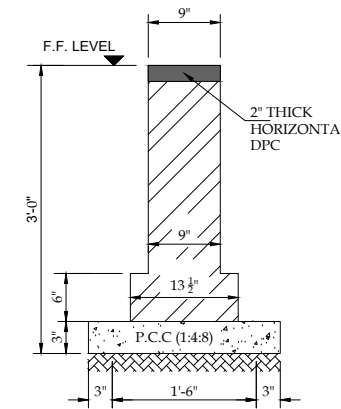
FOUNDATION LAYOUT PLAN



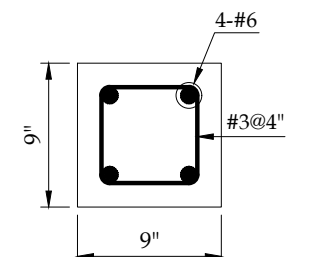
SECTION A-A



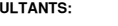
SECTION B-B

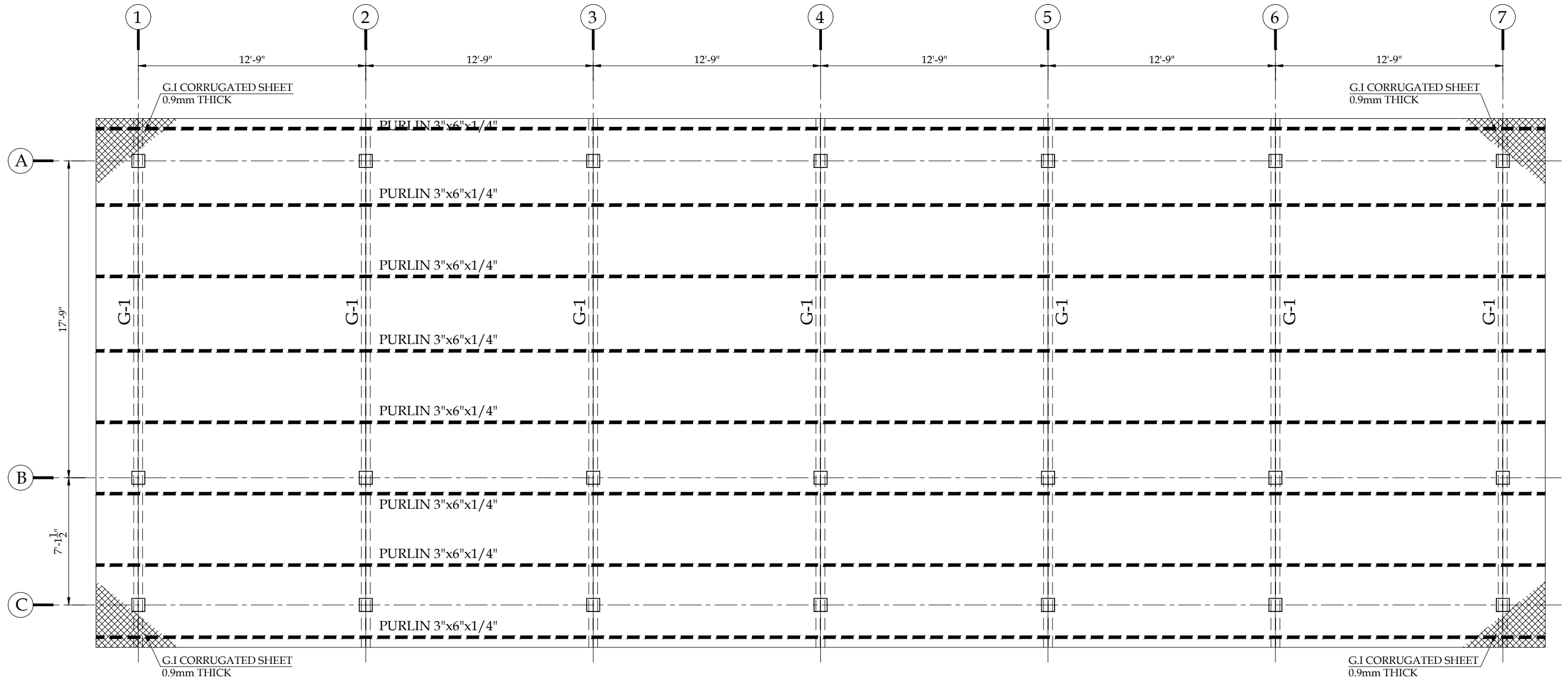


SECTION D-D



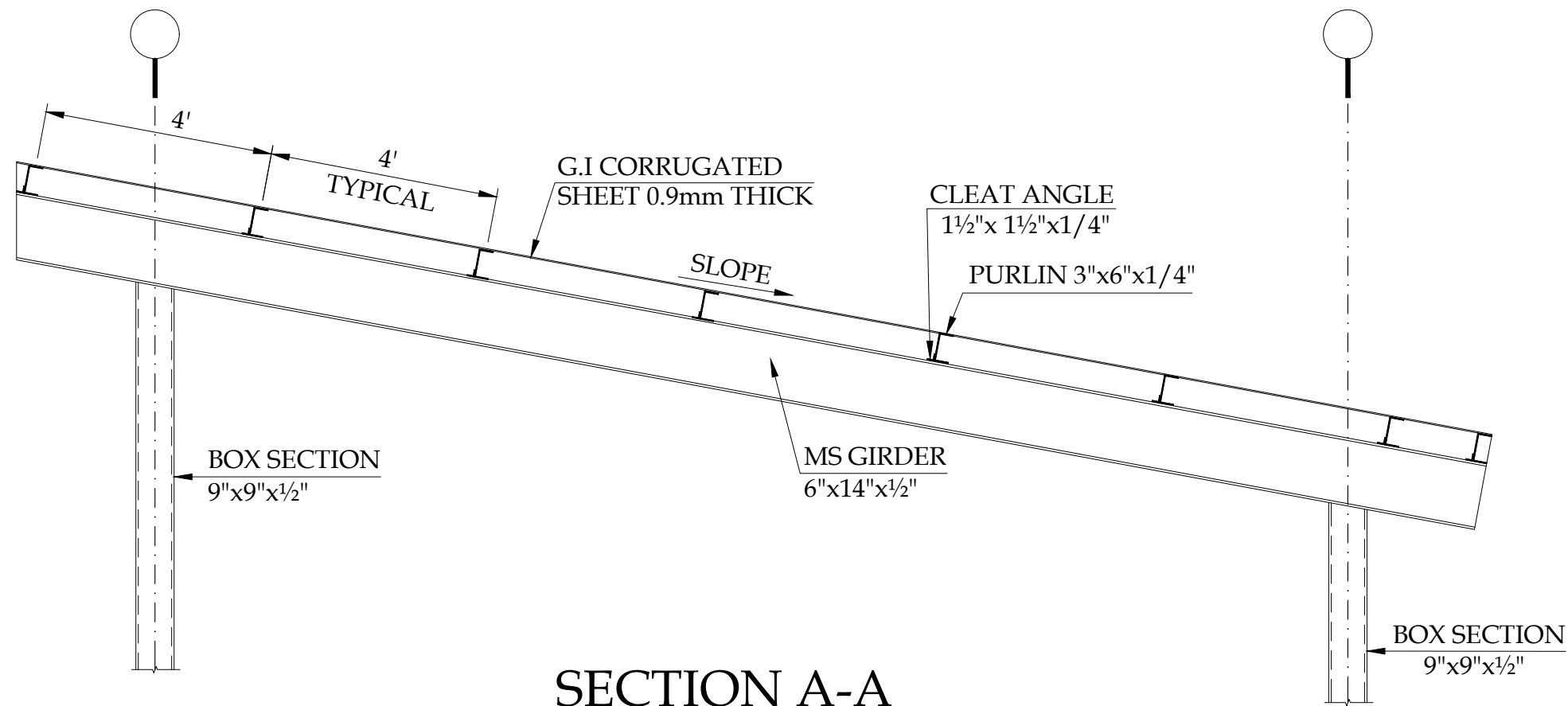
COLUMN C1

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		RESIDENTIAL FACILITY FOUNDATION LAYOUT PLAN & SECTION DETAIL		STR-0501					
								SCALE:		SHEET:					
										A3					



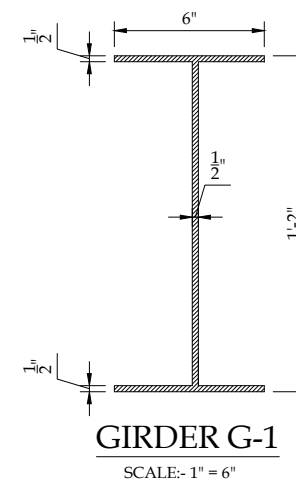
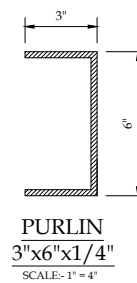
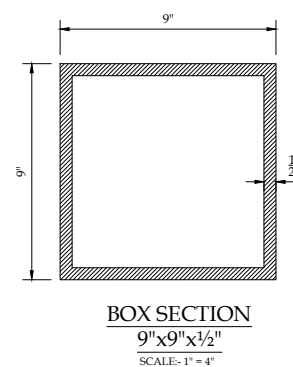
MS ROOF FRAMING PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	 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	MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB	DESIGNED BY: M. ASAD ULLAH	CHECKED BY: NAVEED NAZ	APPROVED BY: SABIR HUSSAIN	DATE: MARCH, 2025	RESIDENTIAL FACILITY MS ROOF FRAMING PLAN	STR-0502	SCALE:	SHEET: A3					



SECTION A-A

SCALE:- 1/4" = 1'-0"



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		RESIDENTIAL FACILITY TRUSS ELEVATION		STR-0503							
										SCALE:	SHEET:						
											A3						

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:

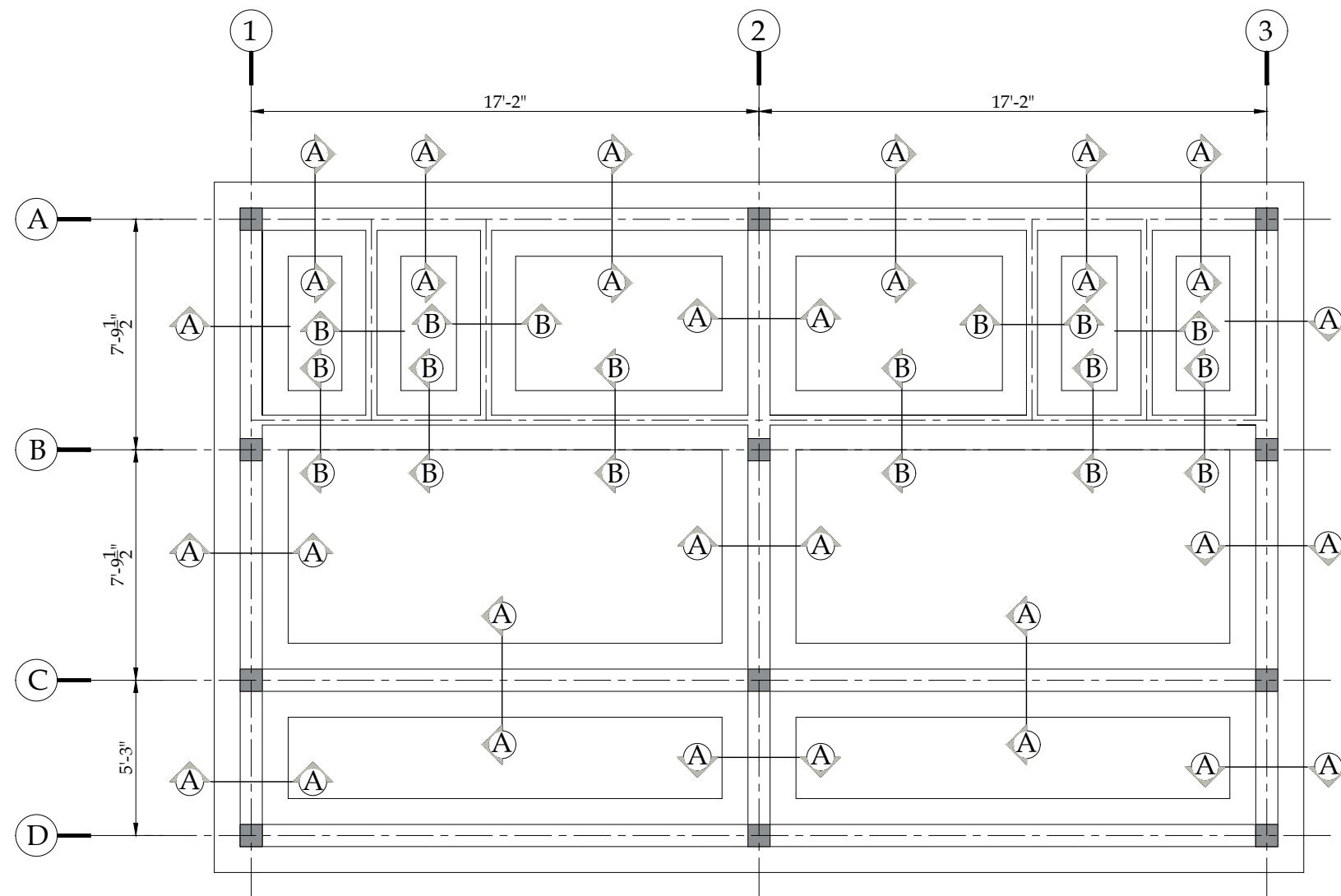


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

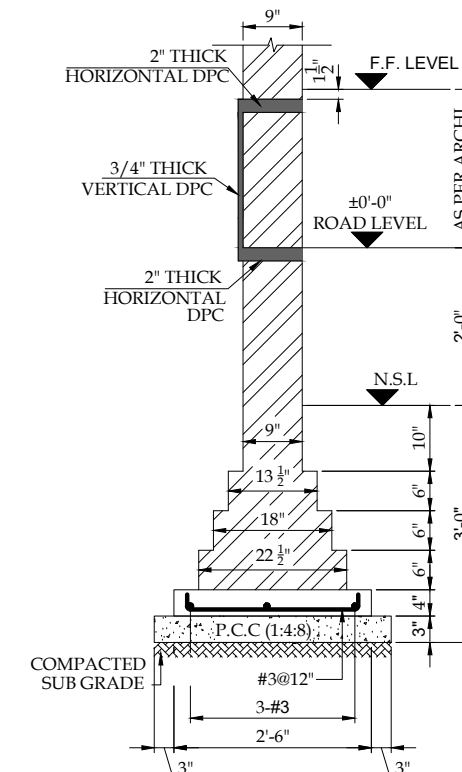
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

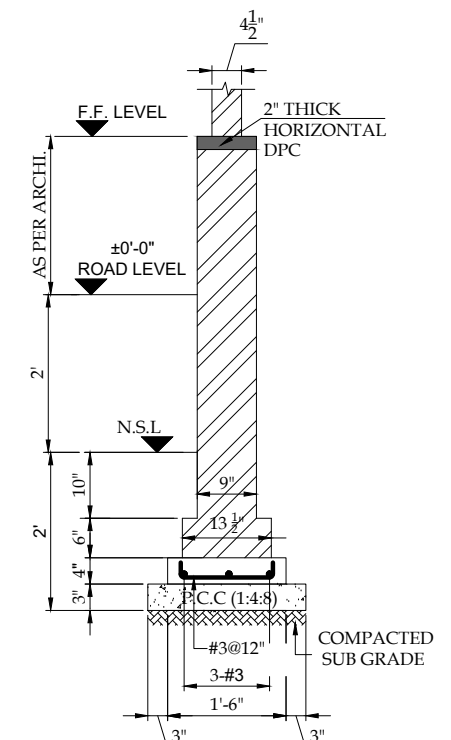
info@ecsp.com.pk www.ecsp.com.pk



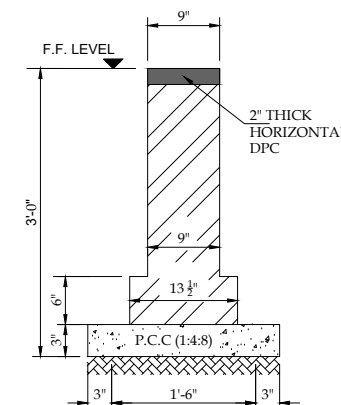
FOUNDATION LAYOUT PLAN



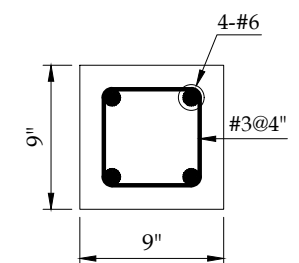
SECTION A-A



SECTION B-B

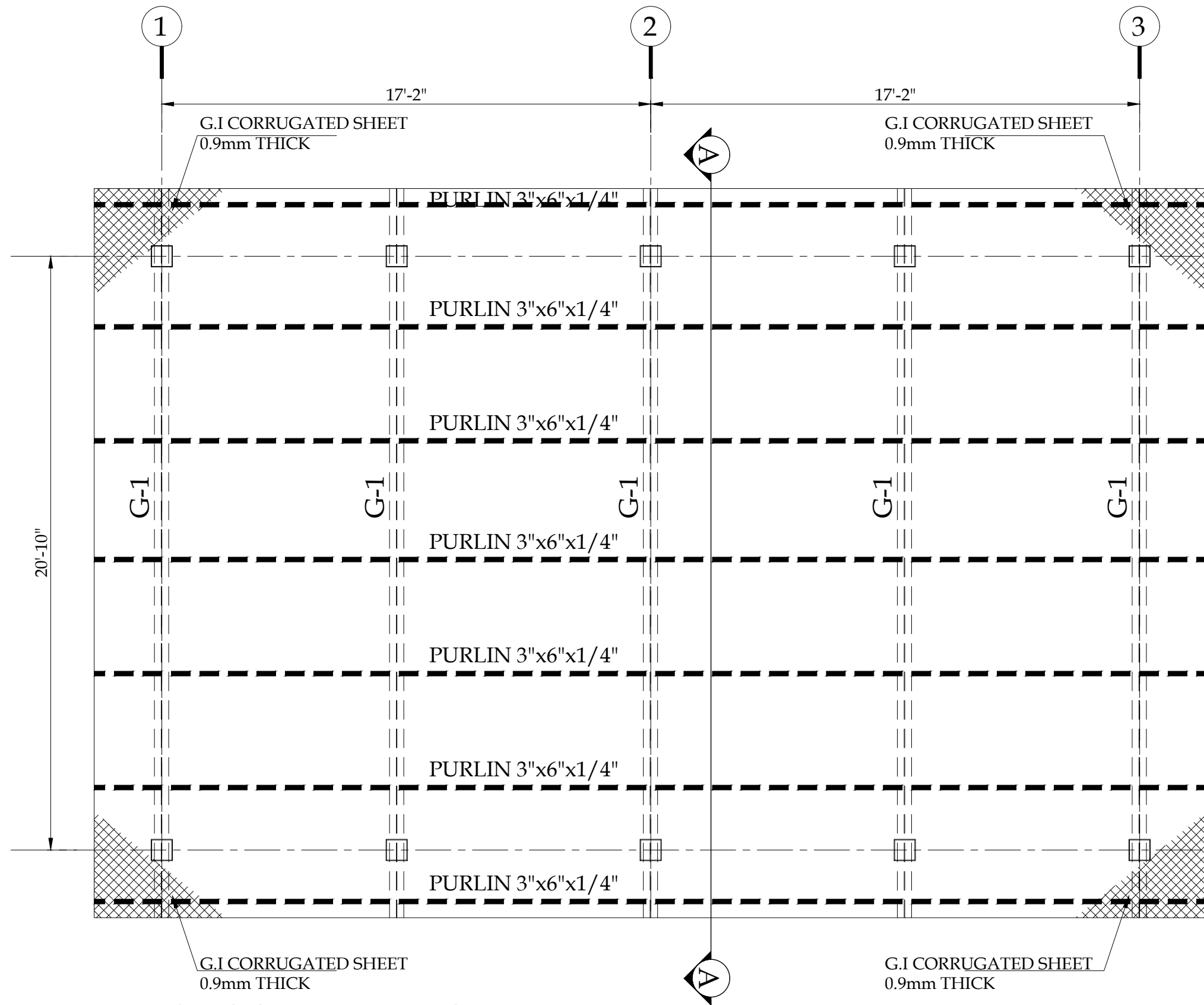


SECTION D-D



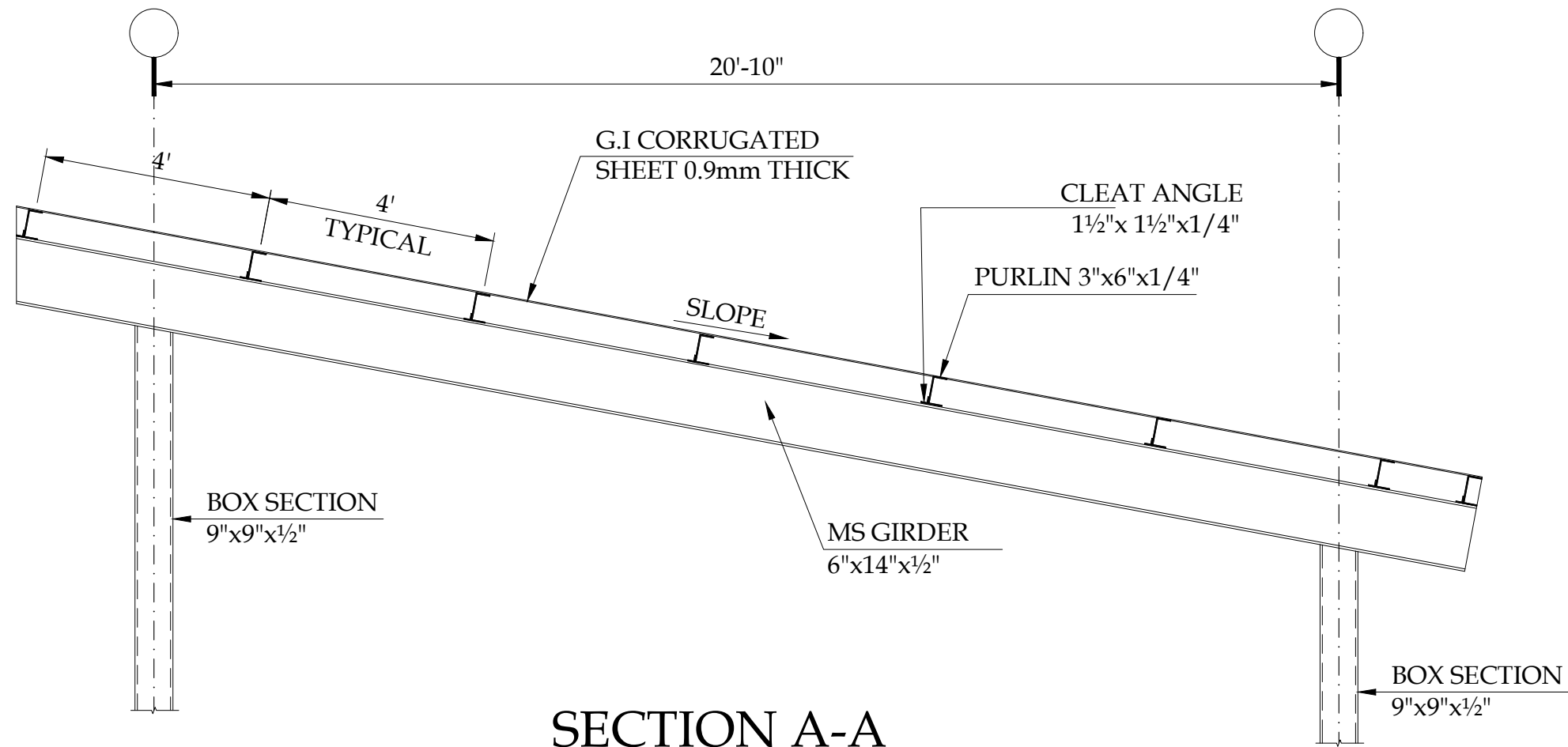
COLUMN C1

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			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			REST ROOM (3+3) FOUNDATION LAYOUT PLAN & SECTION DETAIL			STR-1001					
												SCALE:	SHEET:							
													A3							



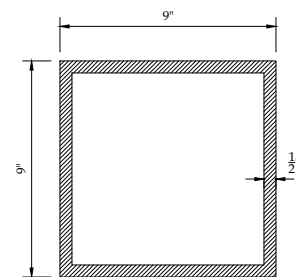
MS ROOF FRAMING PLAN

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			REST ROOM (3+3) MS ROOF FRAMING PLAN			STR-1002					
									M. ASAD ULLAH											
									NAVEED NAZ											
									SABIR HUSSAIN											
DATE:			MARCH, 2025						SCALE:		SHEET:									
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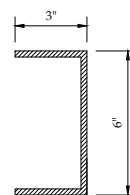


SECTION A-A

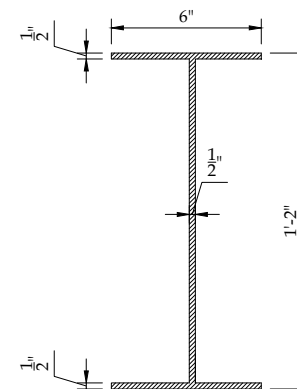
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BOX SECTION
9"x9"x1/2"
SCALE:- 1" = 4"



PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"



GIRDER G-1
SCALE:- 1" = 6"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB  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		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		REST ROOM (3+3) TRUSS ELEVATION		STR-1003 SCALE: SHEET: A3							

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:

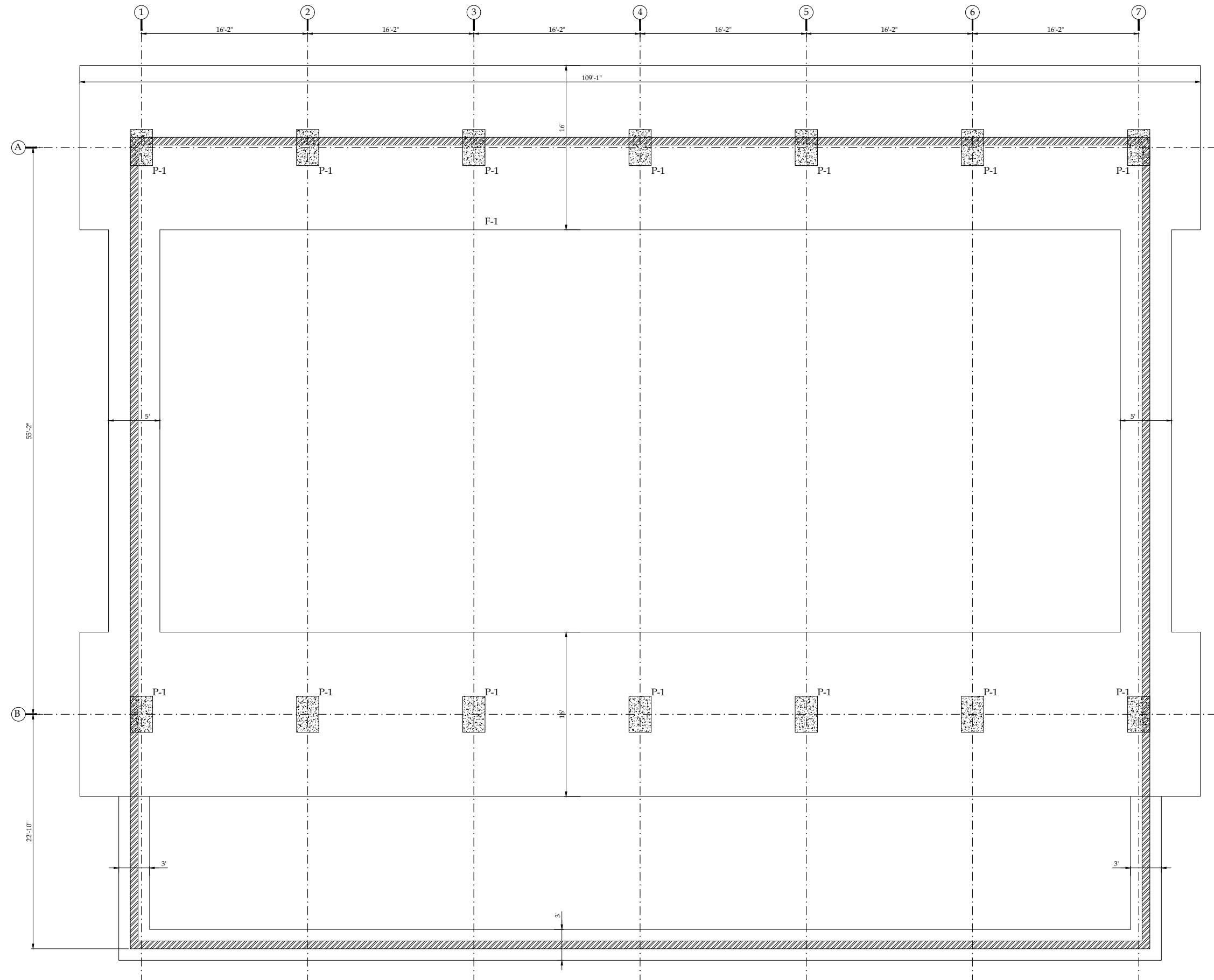


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

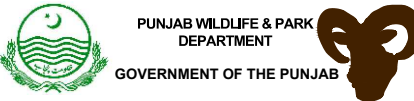
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

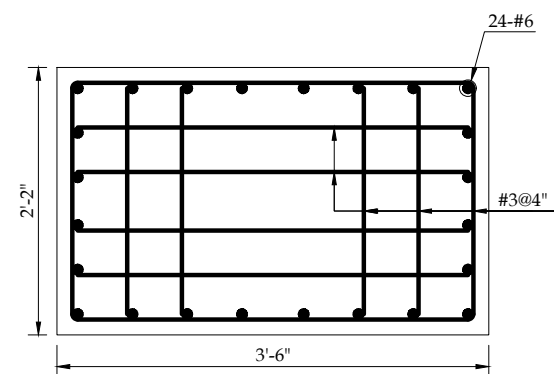
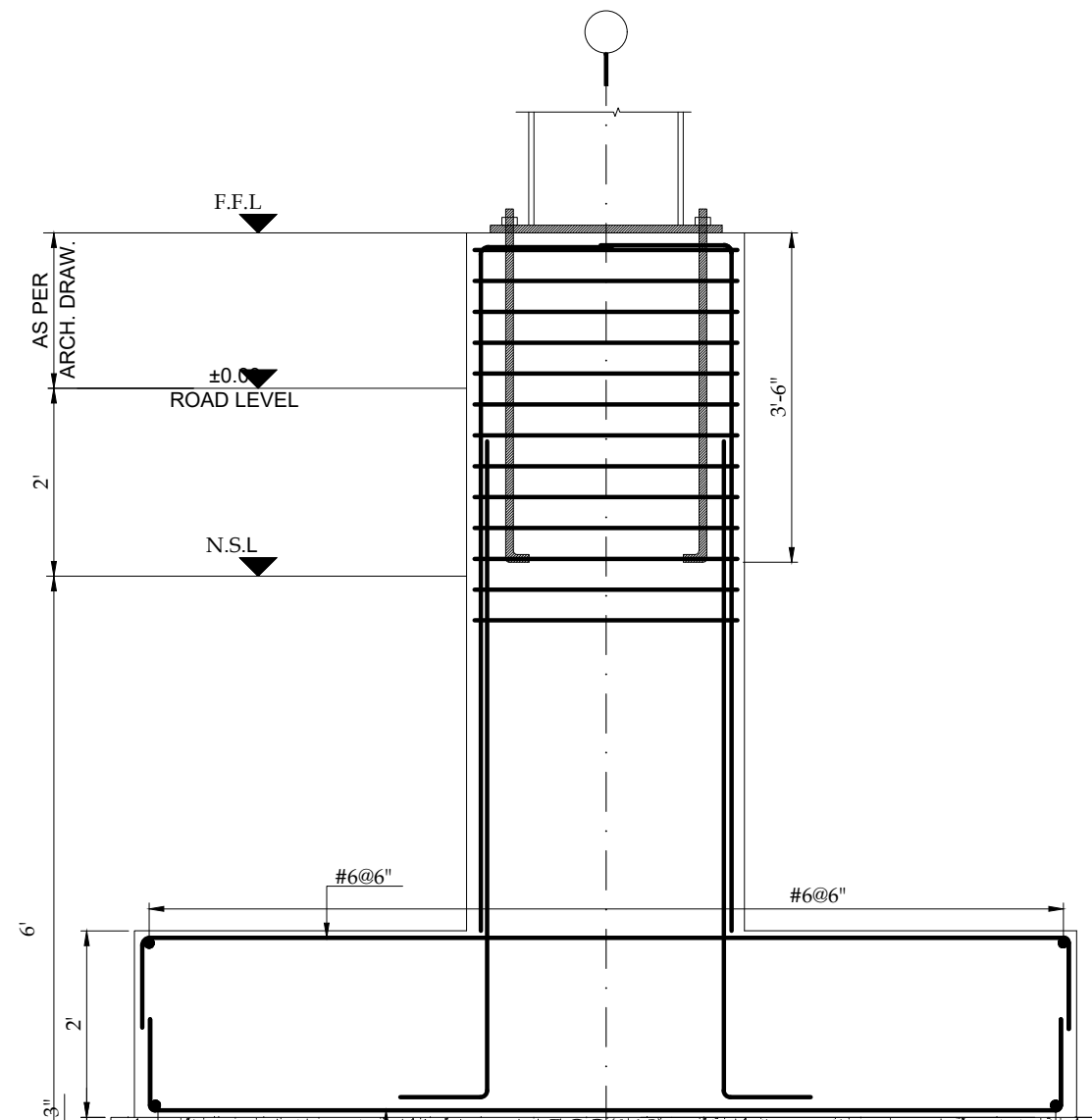
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

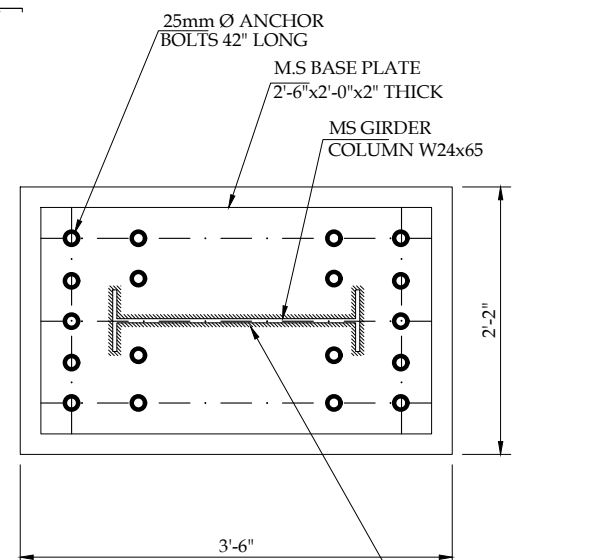


FOUNDATION LAYOUT PLAN

CLIENT:		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). P-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	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	RESTAURANT FOUNDATION LAYOUT PLAN	STR-1201	SCALE:	SHEET: A3				

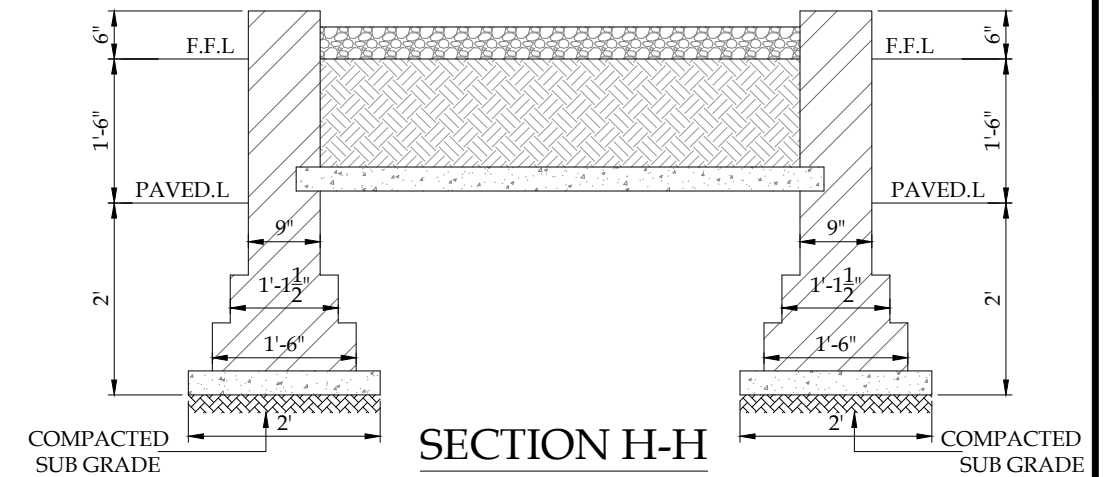


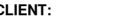
COLUMN C1



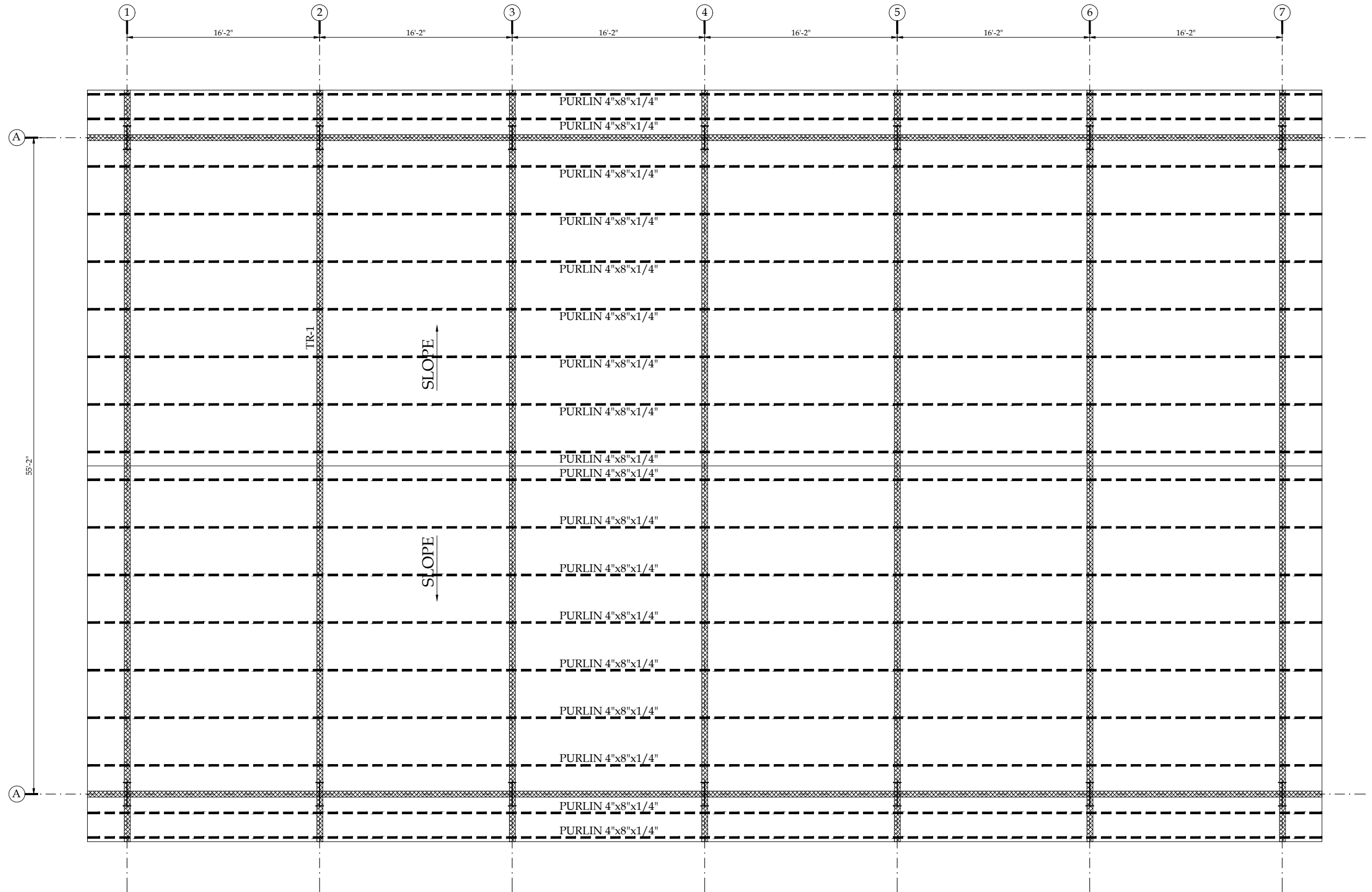
M.S. BASE PLATE FOR COLUMN C1

M.S. COLUMN WELDED WITH MS BASE PLATE 1½" WELD WITH E-70 ELECTRODE



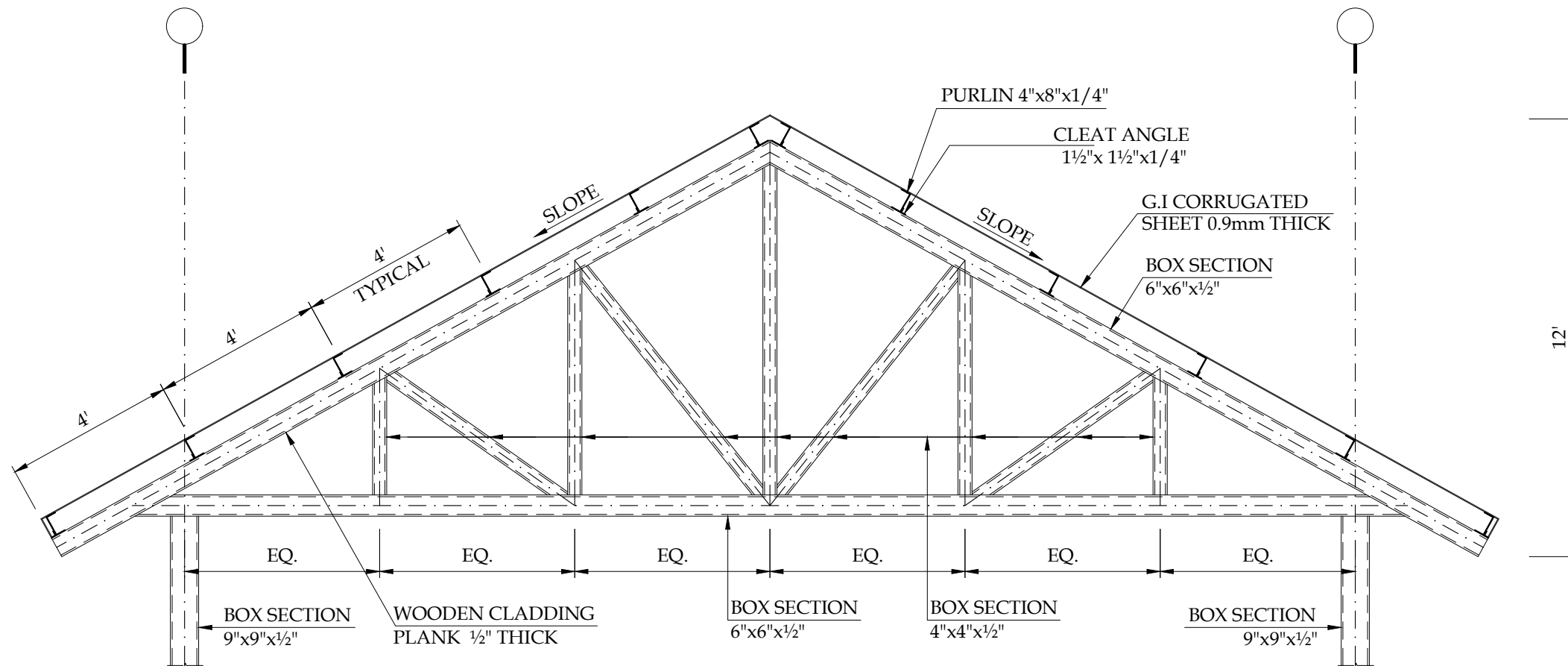
CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		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		RESTAURANT FOUNDATION & COLUMN SECTION DETAILS		STR-1203 SCALE: SHEET: A3									





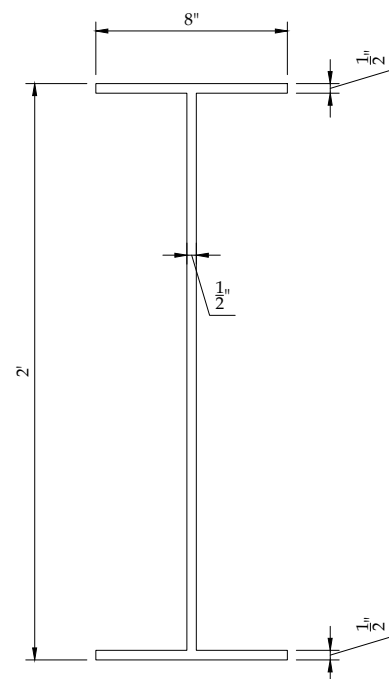
ROOF TRUSS (TR-1) FRAMING PLAN
SCALE:- 1/6" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
		 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		MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB		M.ADNAN		RESTAURANT		STR-1205					
						M. ASAD ULLAH		ROOF TRUSS (TR-1) FRAMING PLAN		SCALE:		SHEET: A3			
						NAVEED NAZ									
						SABIR HUSSAIN									
						MARCH, 2025									

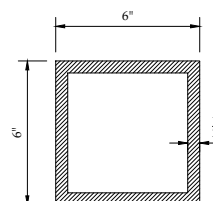


TRUSS ELEVATION TR-1

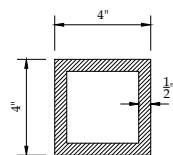
SCALE:- 1/4" = 1'-0"



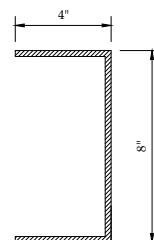
MS COLUMN
SECTION W24x65



BOX SECTION
6"x6"x1/2"
SCALE:- 1" = 4"



BOX SECTION
4"x4"x1/2"
SCALE:- 1" = 4"



PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"

CLIENT:



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:

RESTAURANT

TRUSS ELEVATION

DRAWING NO:

STR-1206

SCALE:

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

REST ROOMS (6+6)

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

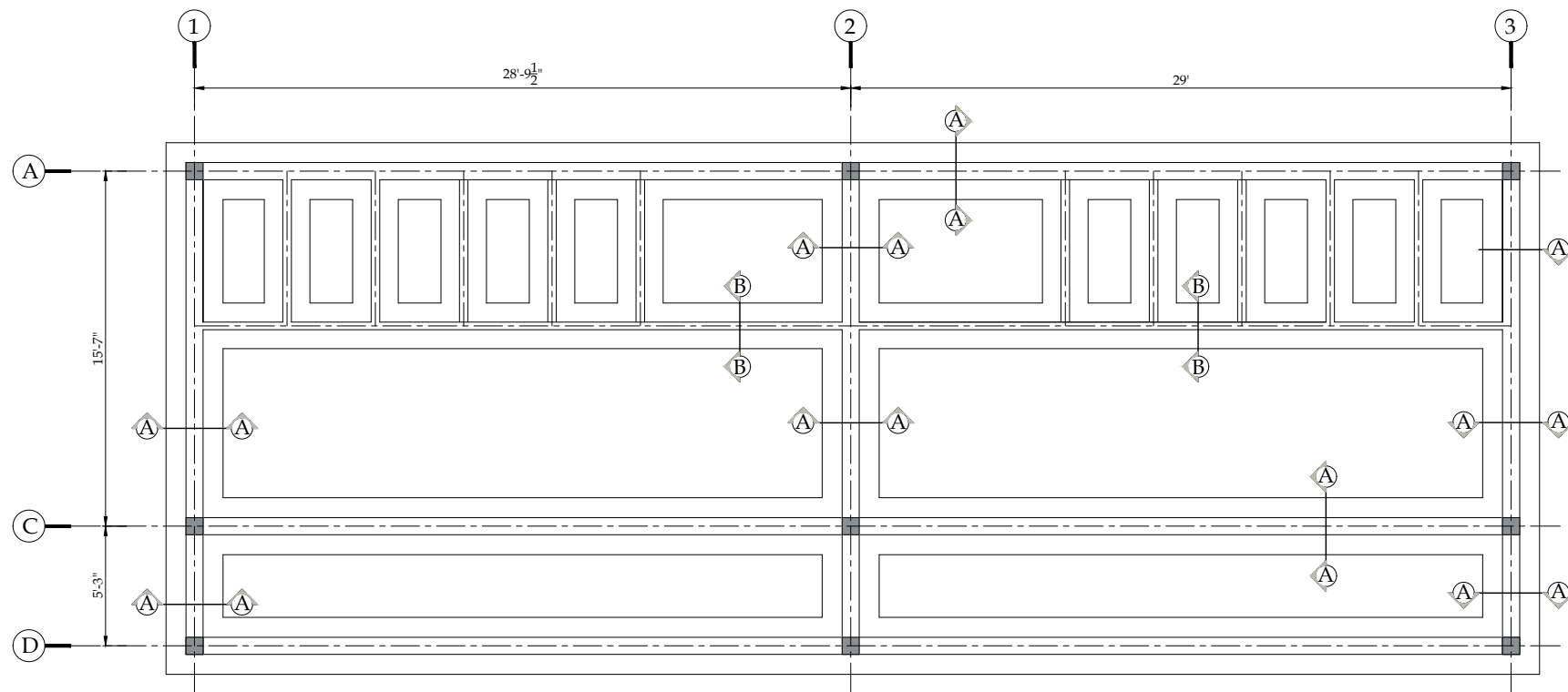


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

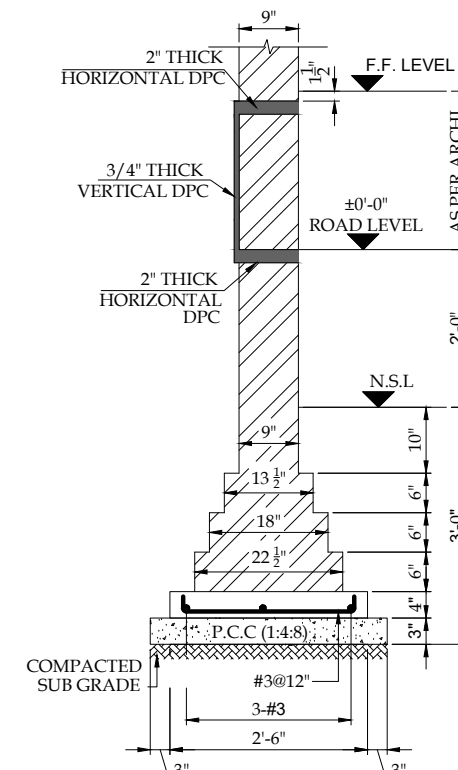
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

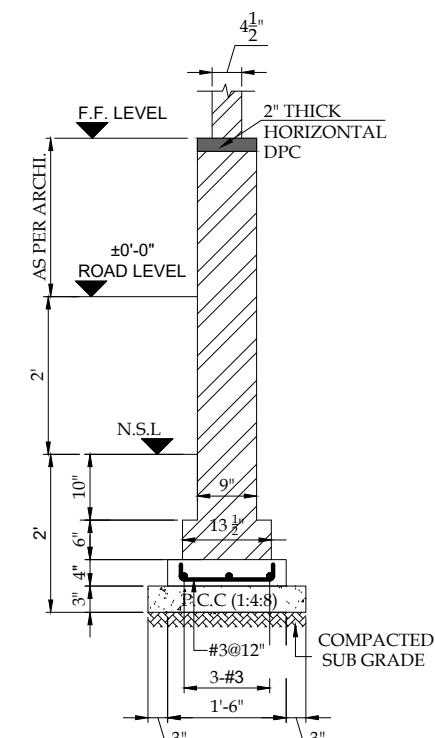
info@ecsp.com.pk www.ecsp.com.pk



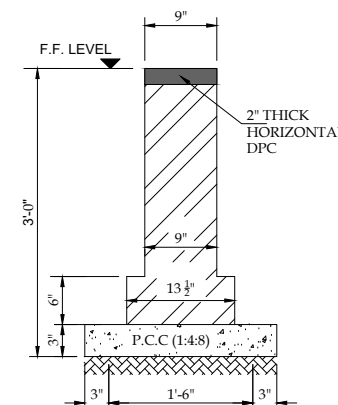
FOUNDATION LAYOUT PLAN



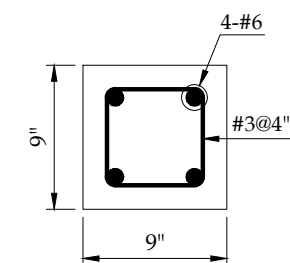
SECTION A-A



SECTION B-B

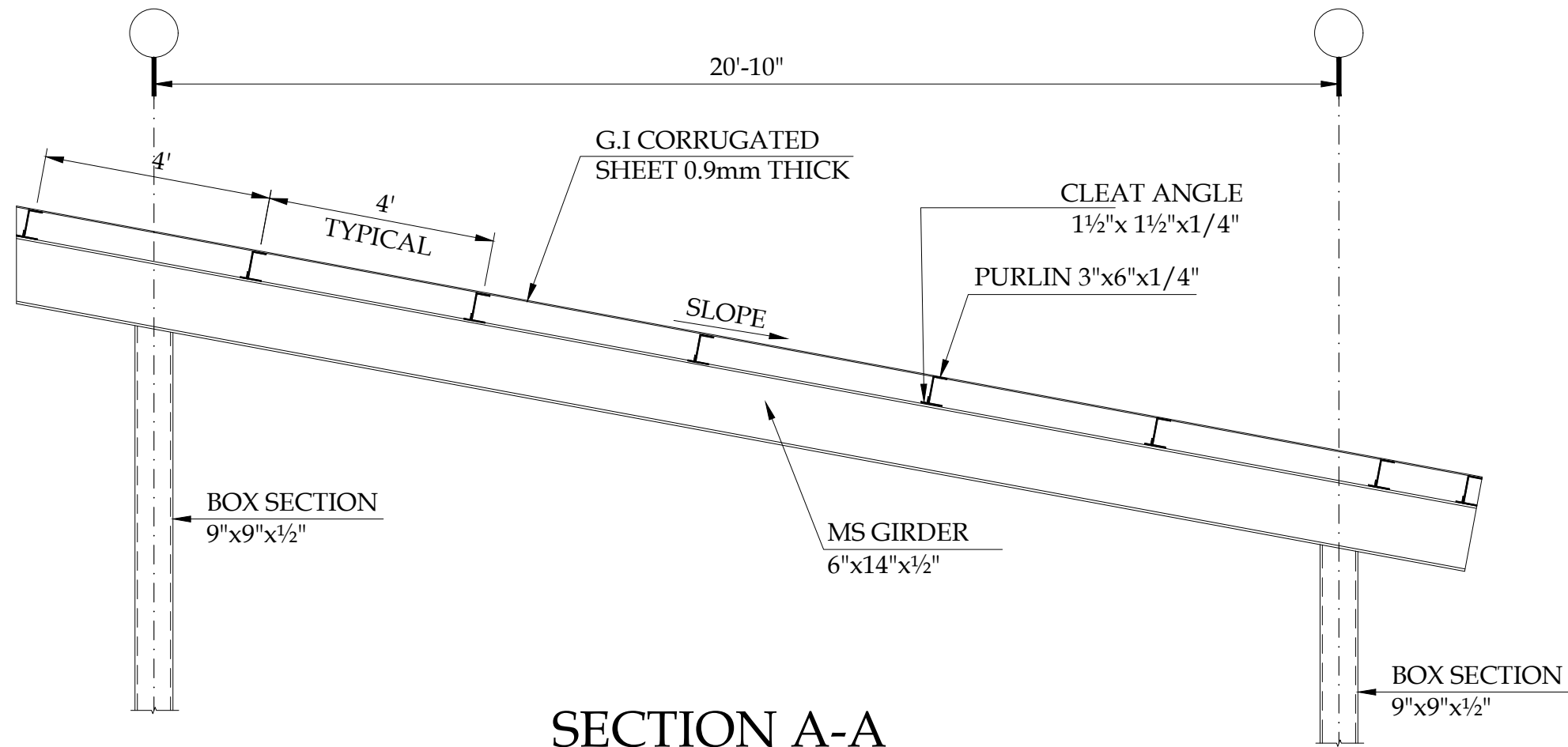


SECTION D-D



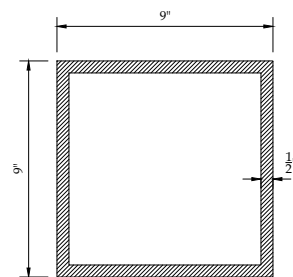
COLUMN C1

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB			 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			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			REST ROOM (6+6) FOUNDATION LAYOUT PLAN & SECTION DETAIL			STR-1301					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
						DATE: MARCH, 2025														
															SCALE: SHEET:					
															A3					

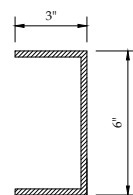


SECTION A-A

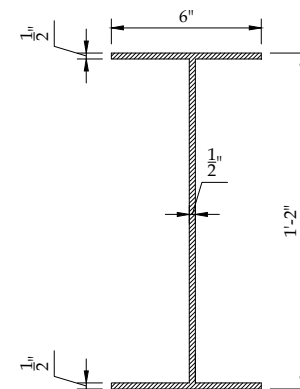
SCALE:- 1/4" = 1'-0"



BOX SECTION
9"x9"x1/2"
SCALE:- 1" = 4"



PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"



GIRDER G-1
SCALE:- 1" = 6"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB  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		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		REST ROOM (6+6) TRUSS ELEVATION		STR-1303 SCALE: SHEET: A3							

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:

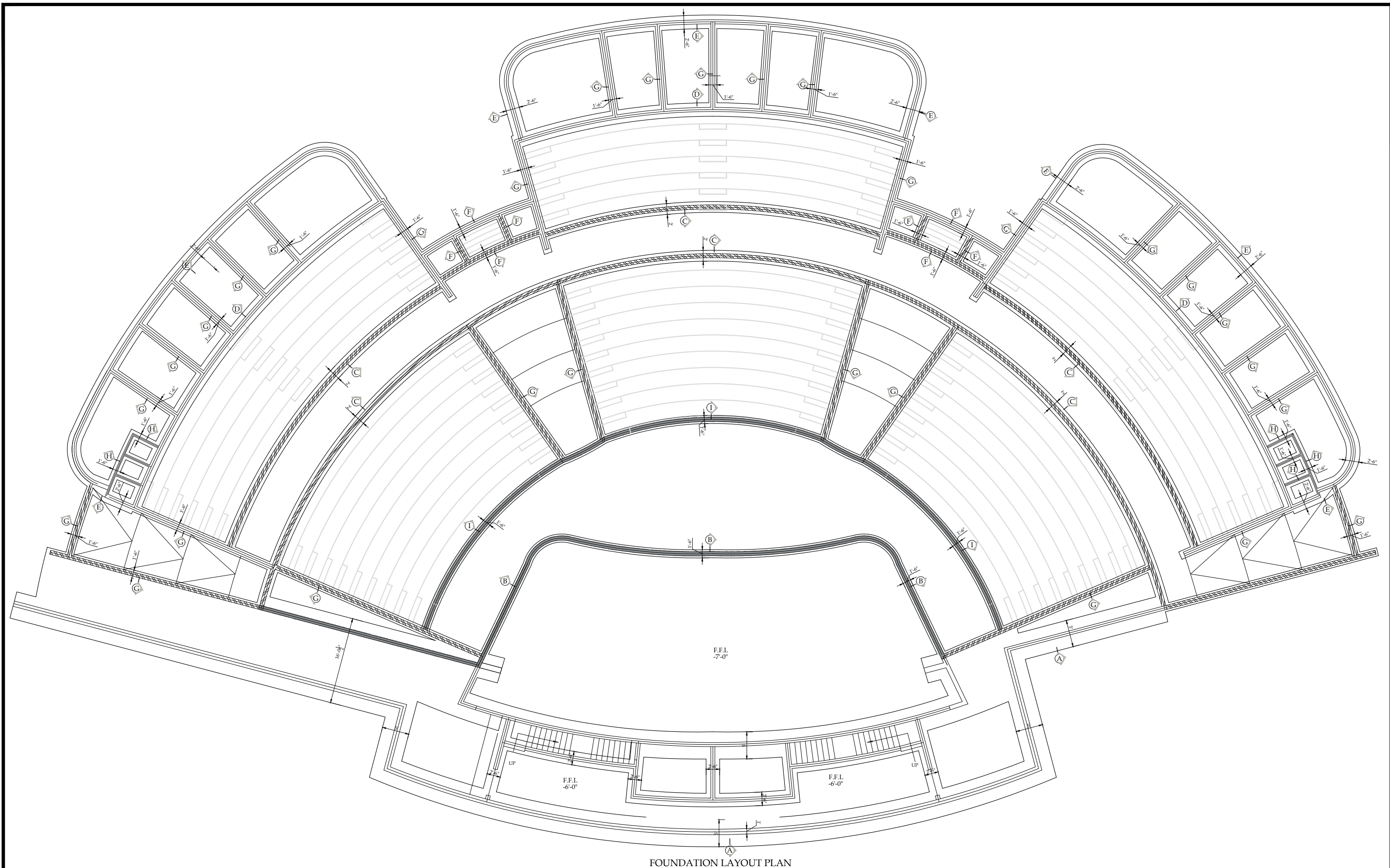


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

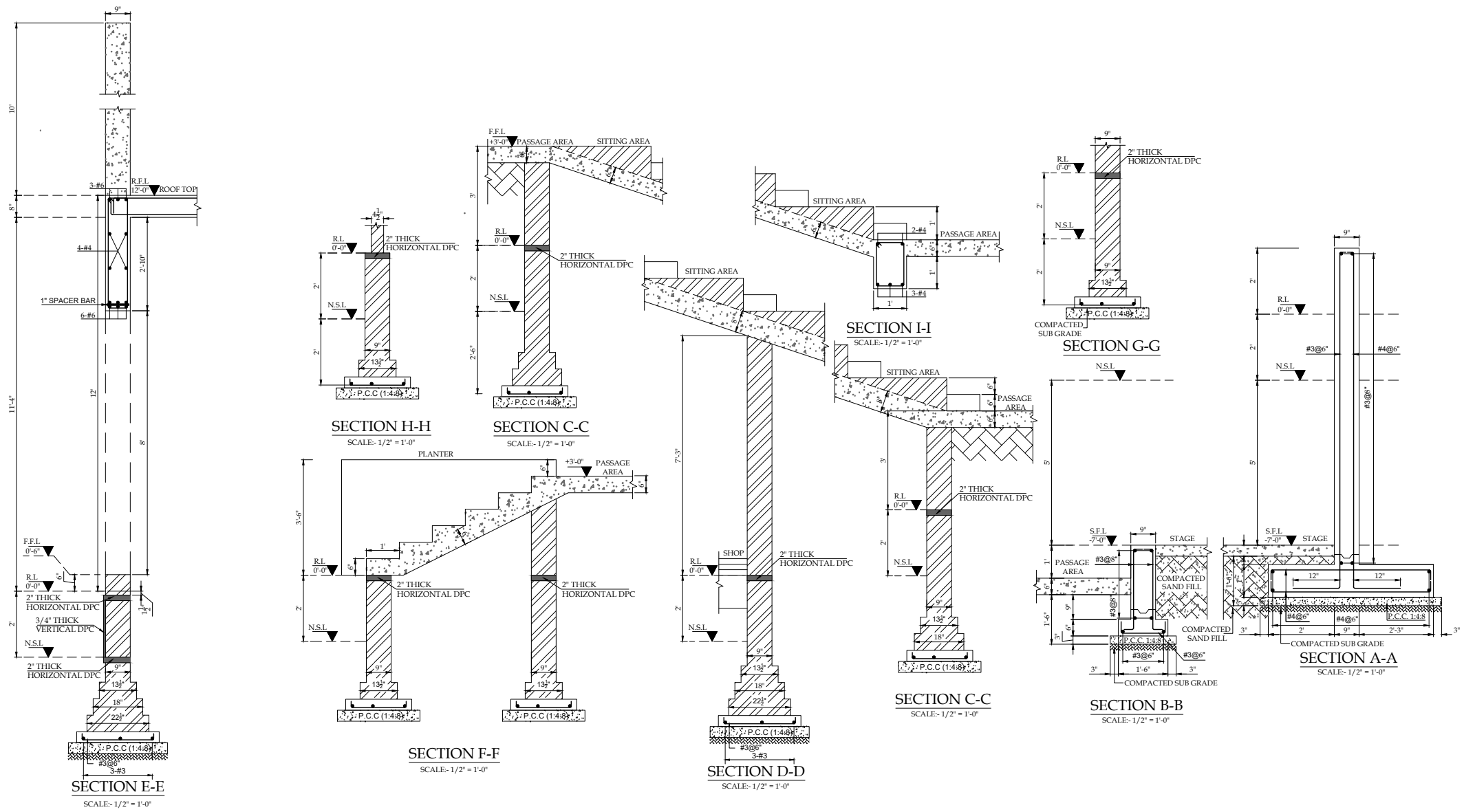
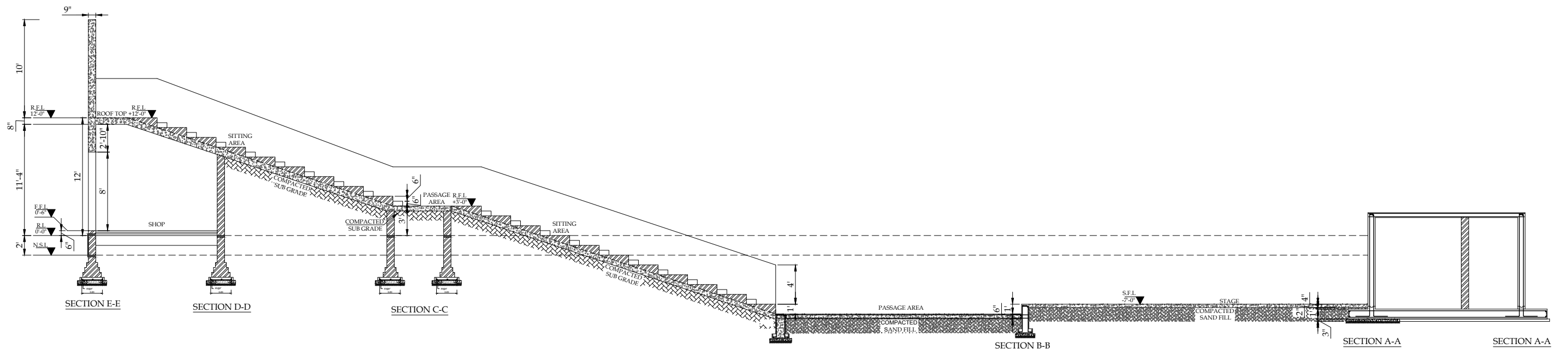
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



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 DESIGNED BY: MUHAMMAD ASAD ULLAH CHECKED BY: SABIR HUSSAIN APPROVED BY: SABIR HUSSAIN DATE: MARCH, 2025		DRAWING TITLE: AMPHITHEATER FOUNDATION LAYOUT PLAN		DRAWING NO: STR-1701 SCALE: SHEET: A3		REV.	DESCRIPTION	SIGN.	DATE



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		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.pkwww.ecsp.com.pk		REVAMPING OF LAHORE ZOO		DRAWN BY: MUHAMMAD ADNAN		DRAWING TITLE: AMPHITHEATER		DRAWING NO: STR-1702		REV.		DESCRIPTION		SIGN.		DATE	
						DESIGNED BY: MUHAMMAD ASAD ULLAH		FOUNDATION SECTION DETAILS		SCALE:		SHEET:							
						CHECKED BY: SABIR HUSSAIN				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:

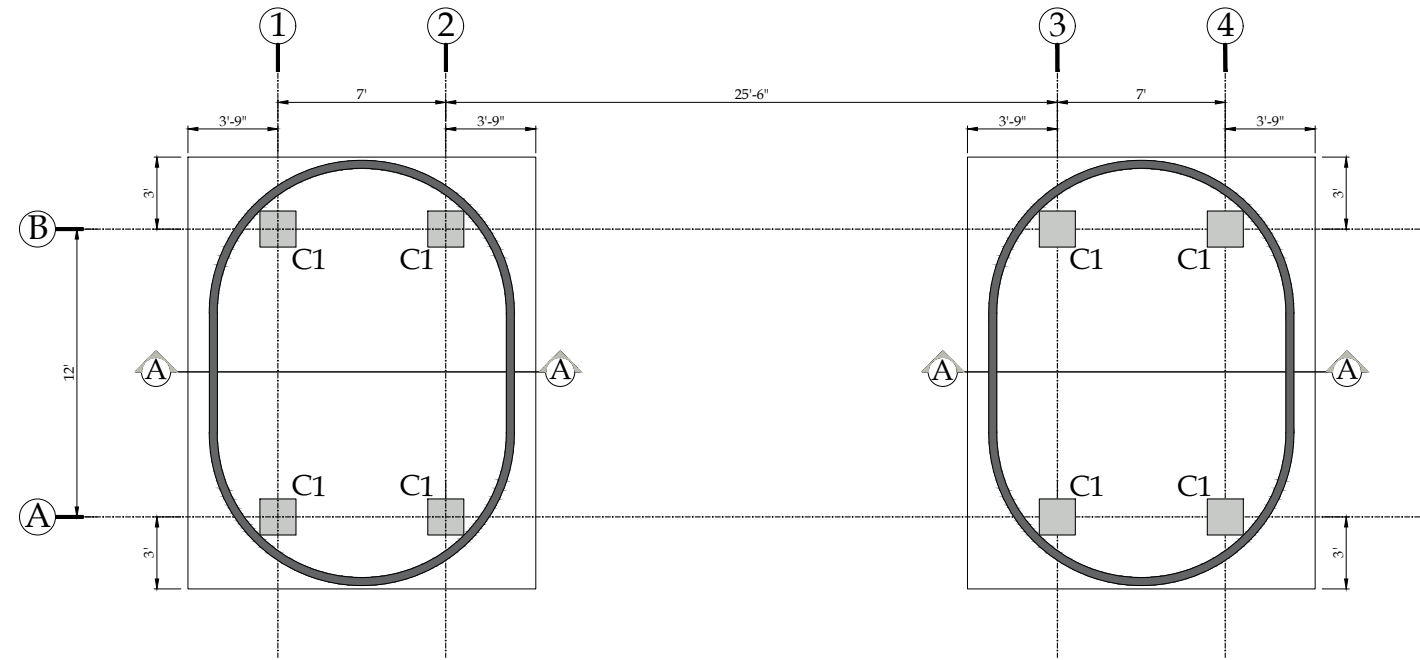


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

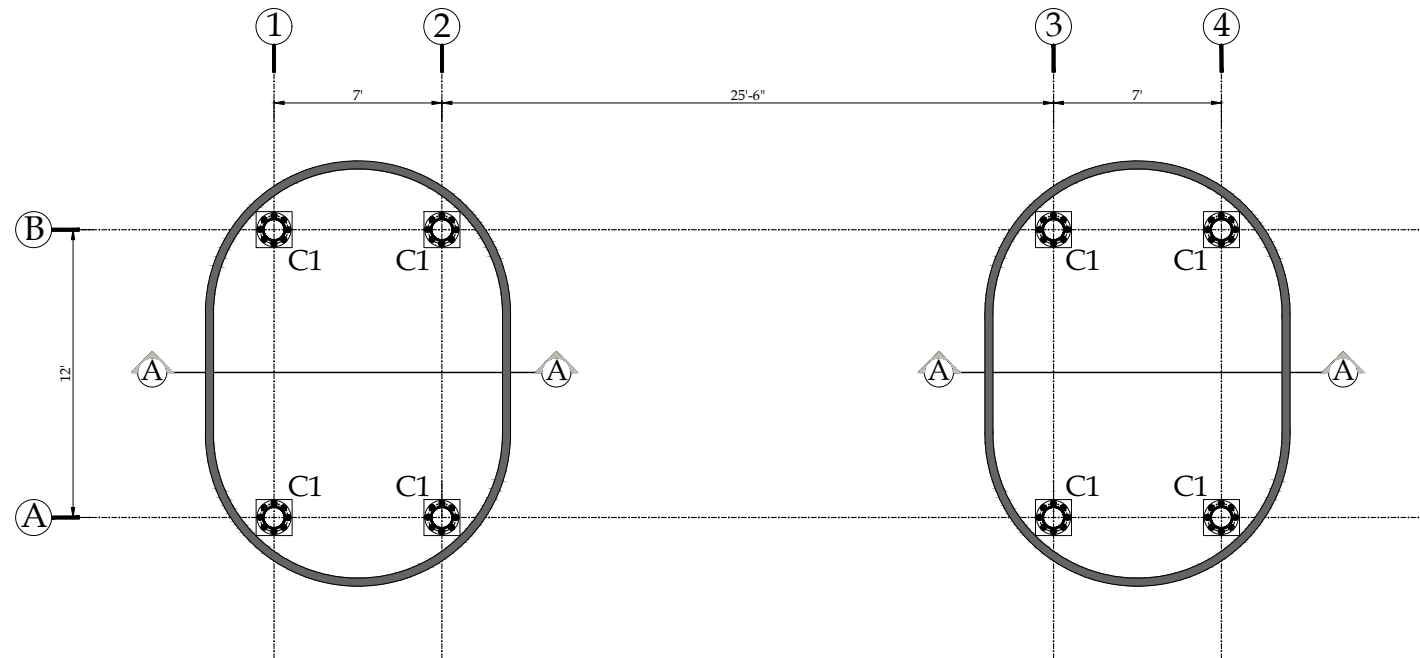
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

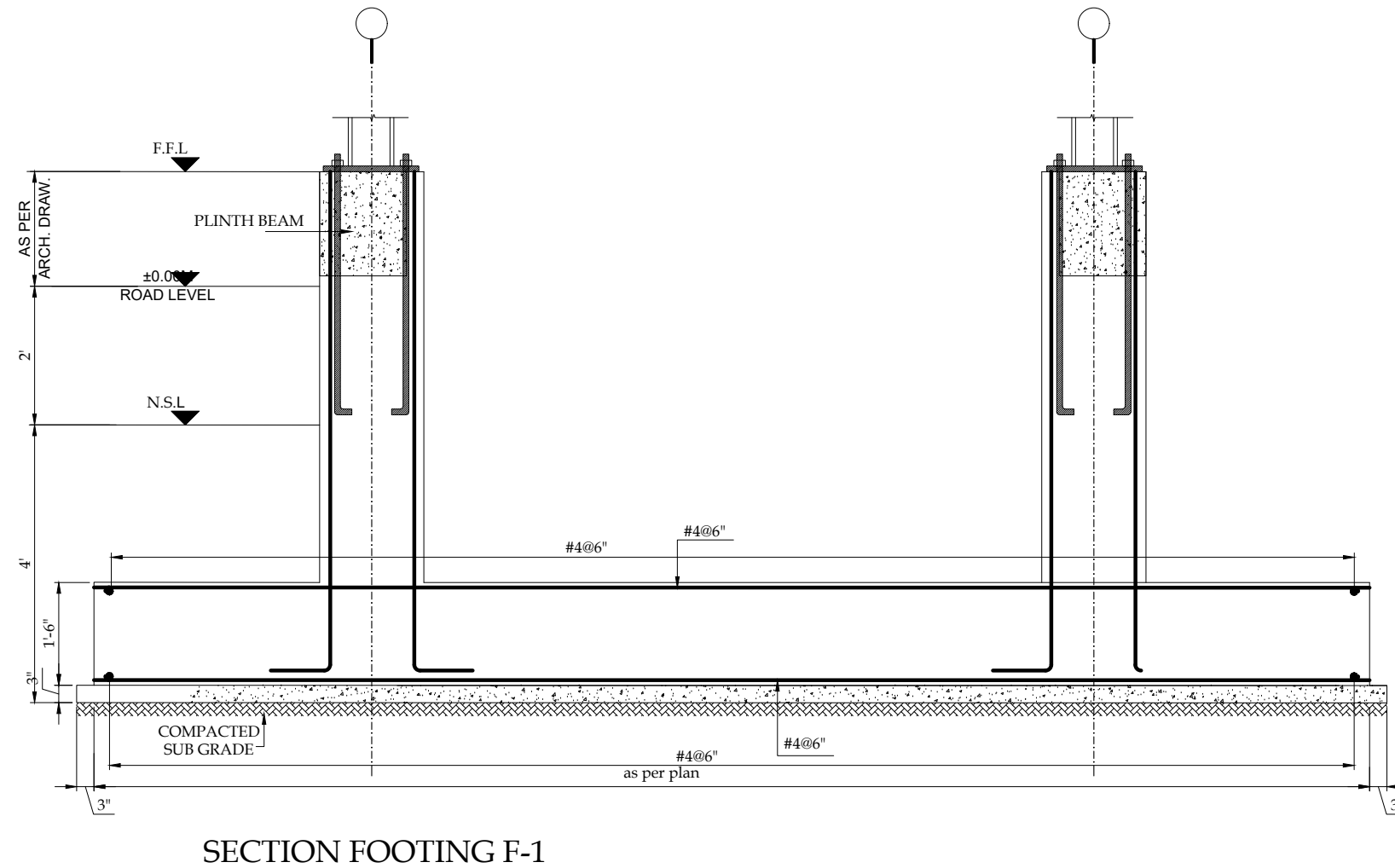
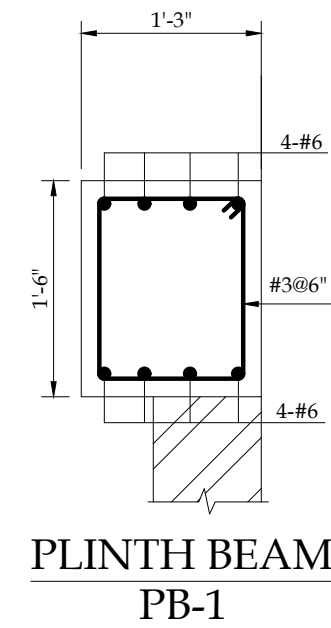
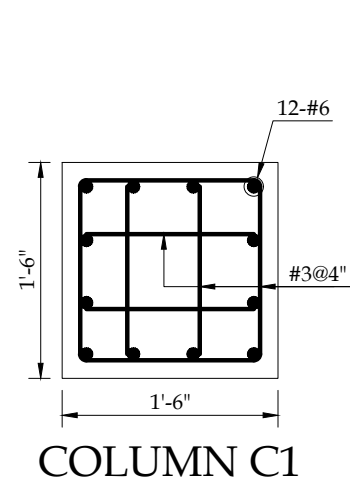
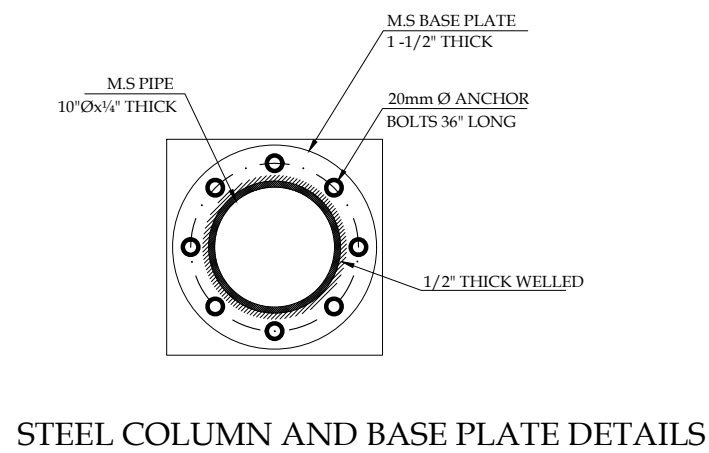
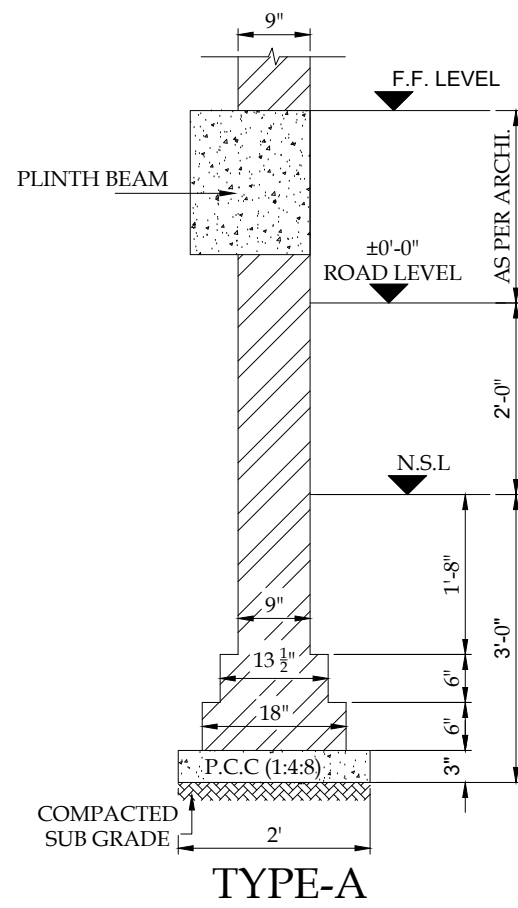


FOUNDATION LAYOUT PLAN

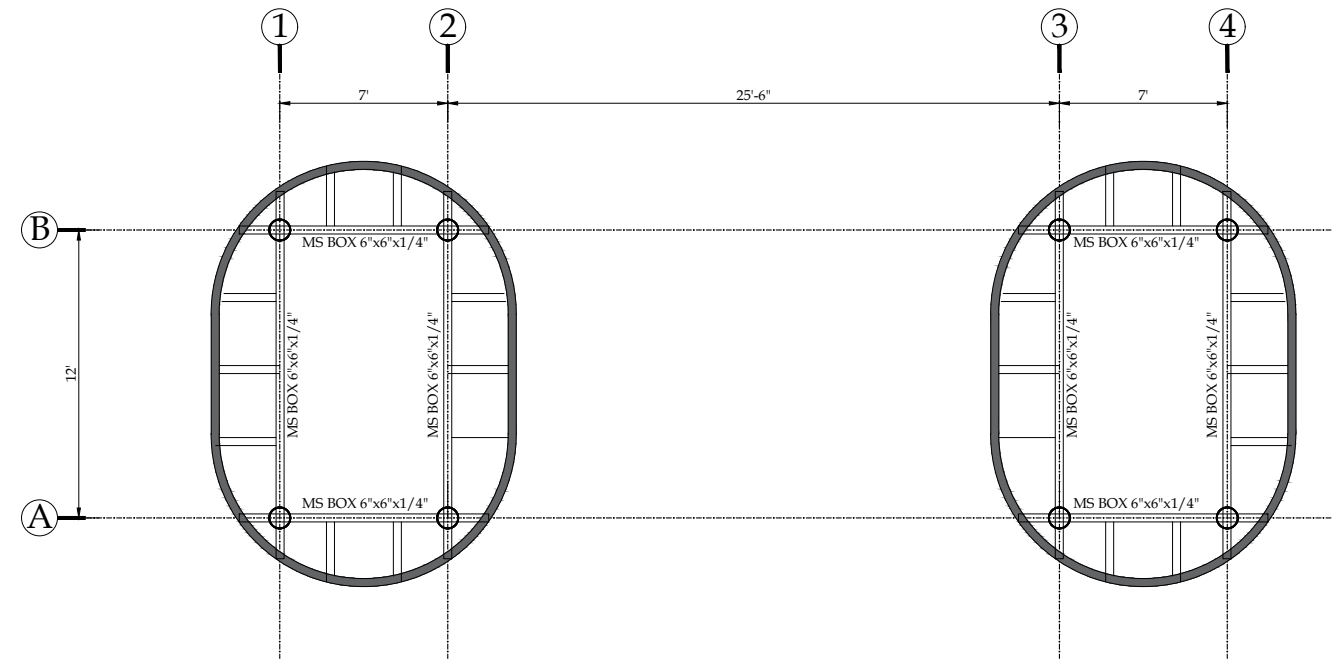


PLINTH BEAM LAYOUT PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		JUNGLE SAFRI GATE FOUNDATION LAYOUT PLAN & PLINTH BEAM LAYOUT PLAN		STR-2301 SCALE: SHEET: A3					

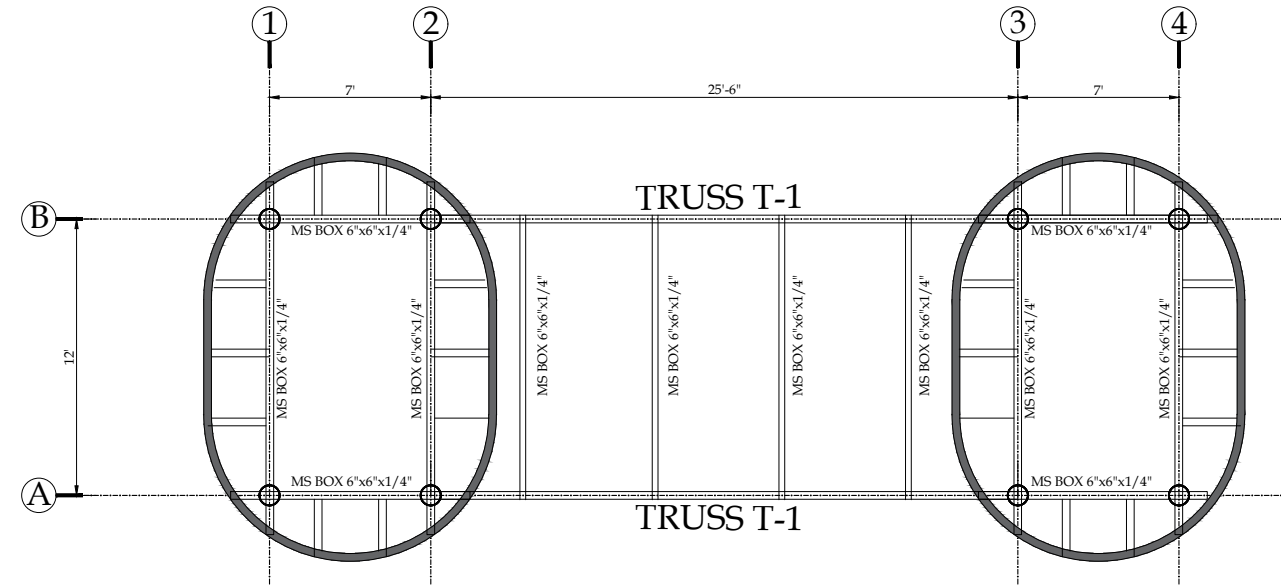


CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		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		JUNGLE SAFRI GATE FOUNDATION SECTION DETAILS		STR-2302					
										SCALE:	SHEET:				
											A3				

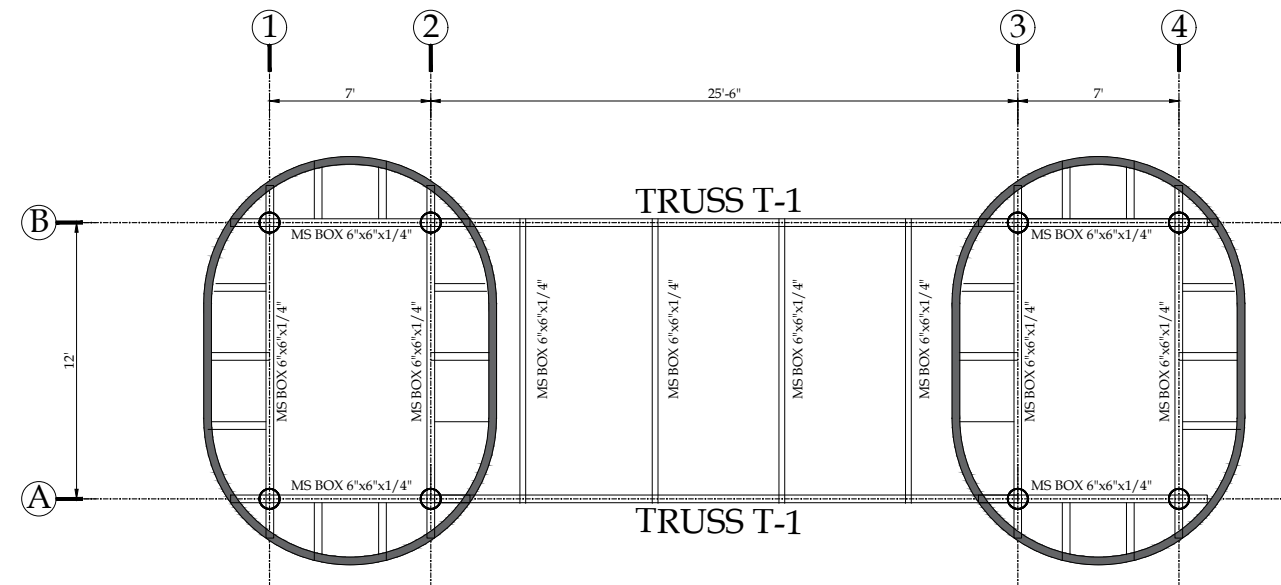


BRACING BEAMS LAYOUT PLAN
AT EVERY 8' FROM PLINTH
LEVEL TO +24'-0"

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		DRAWING TITLE: JUNGLE SAFRI GATE BRACING BEAMS LAYOUT PLAN AT EVERY 8' FROM PLINTH LEVEL TO +24'-0"	DRAWING NO: STR-2303		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY: M. ASAD ULLAH								
			CHECKED BY: NAVEED NAZ			SCALE:	SHEET: A3				
			APPROVED BY: SABIR HUSSAIN								
			DATE: MARCH, 2025								

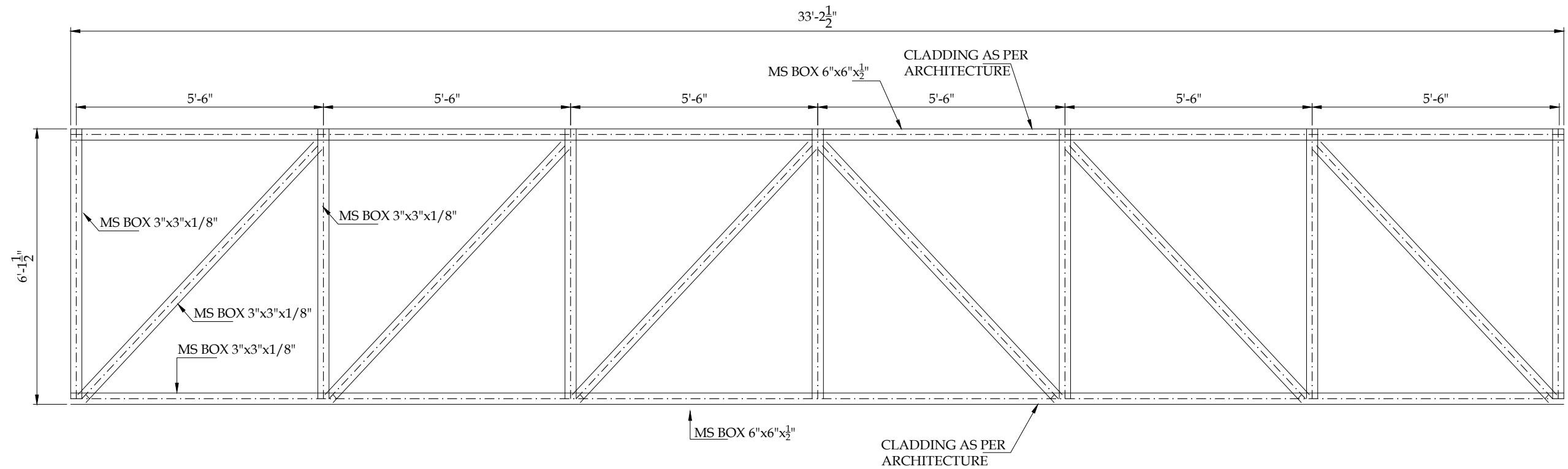


TRUSS AND BRACING BEAM
LAYOUT PLAN AT 33'-0"



TRUSS AND BRACING BEAM
LAYOUT PLAN AT 45'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		JUNGLE SAFRI GATE TRUSS AND BRACING BEAM LAYOUT PLAN AT 33'-0" & TRUSS AND BRACING BEAM LAYOUT PLAN AT 45'-0"		STR-2304 SCALE: SHEET: A3									



TRUSS T-1

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		JUNGLE SAFRI GATE TRUSS T-1		STR-2305 SCALE: SHEET: A3					

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:

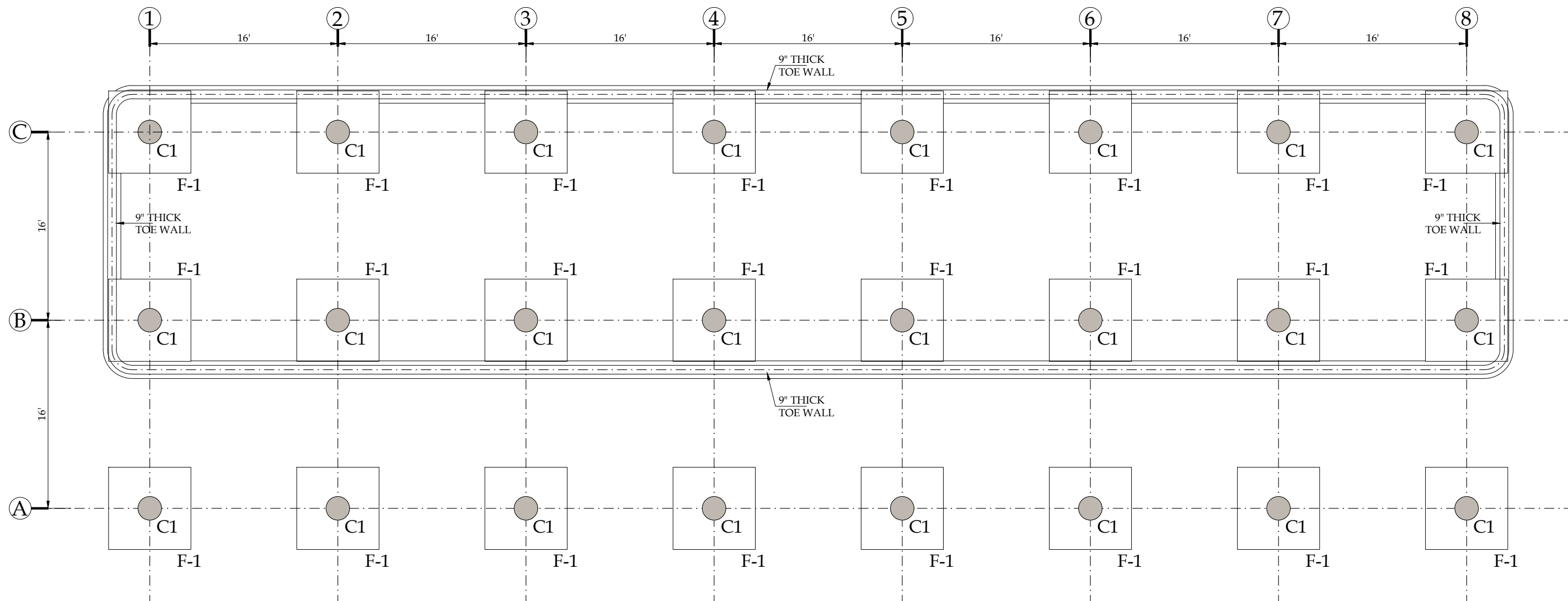


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

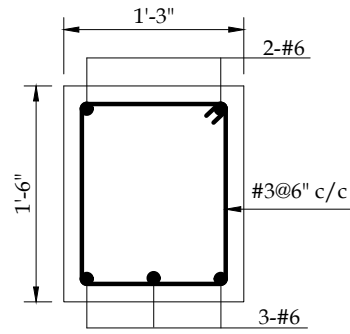
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

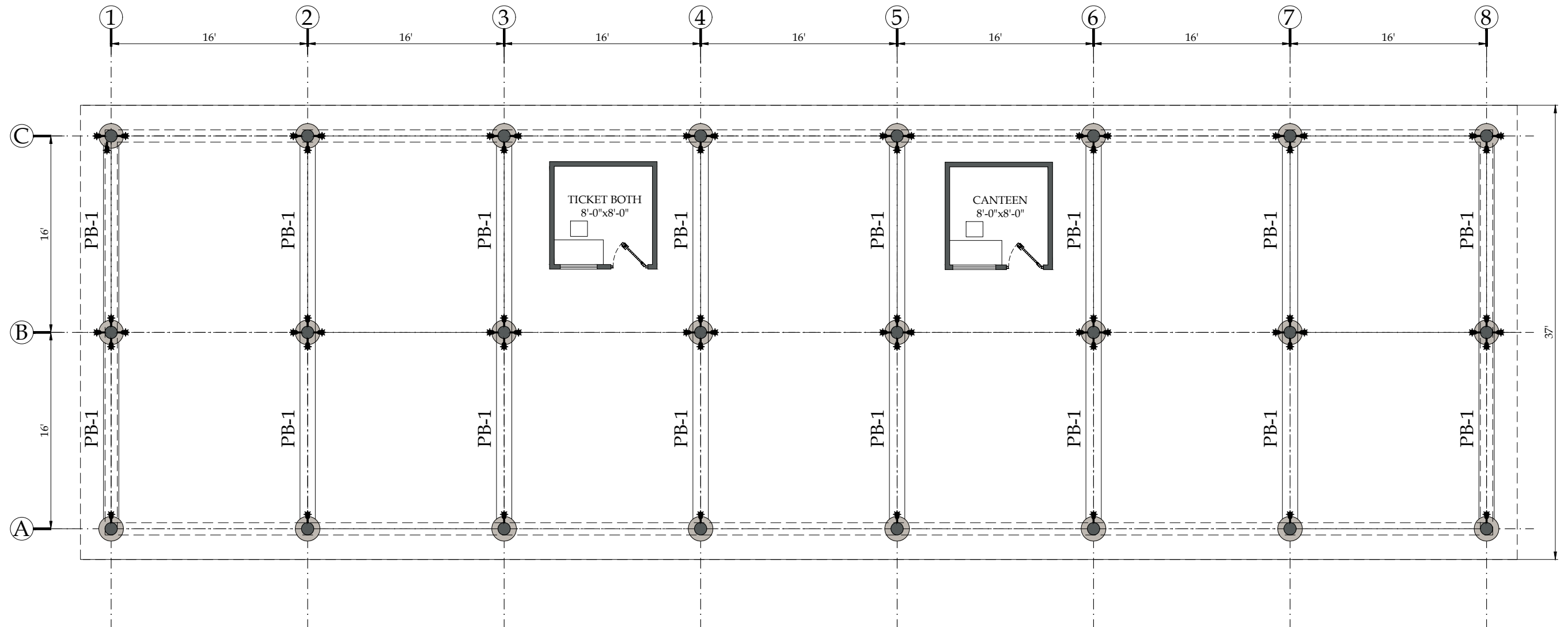


FOUNDATION LAYOUT PLAN

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	DRAWING TITLE: TRAM STATION FOUNDATION LAYOUT PLAN	DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY:	MUHAMMAD ASAD ULLAH		STR-2501					
			CHECKED BY:	SABIR HUSSAIN		SCALE:	SHEET:				
			APPROVED BY:	SABIR HUSSAIN							
			DATE:					MARCH, 2025			

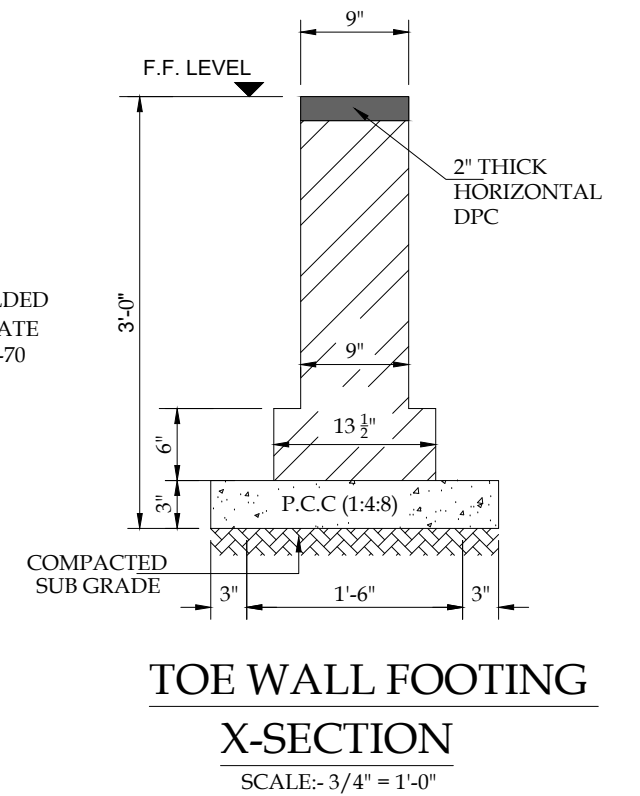
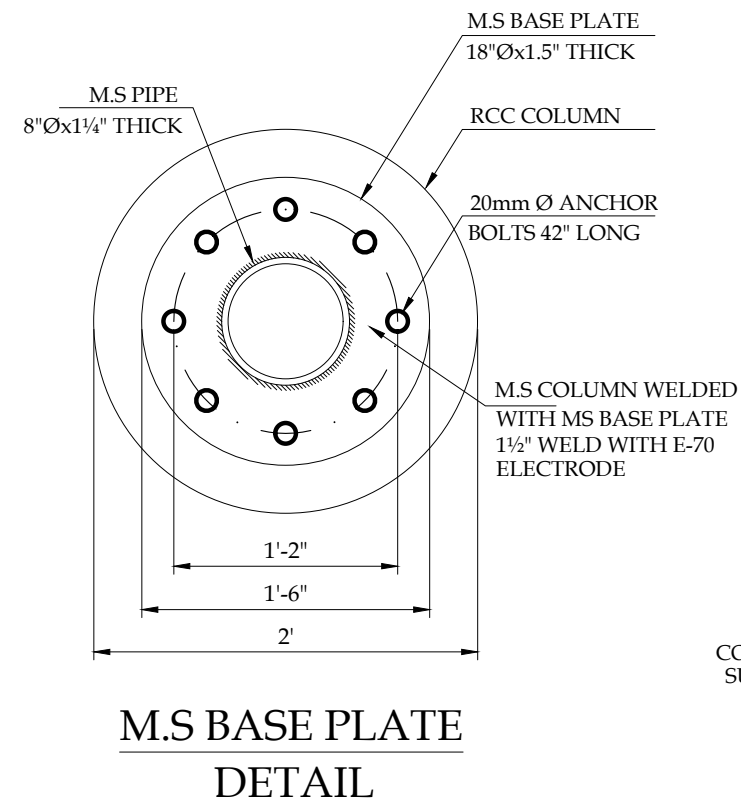
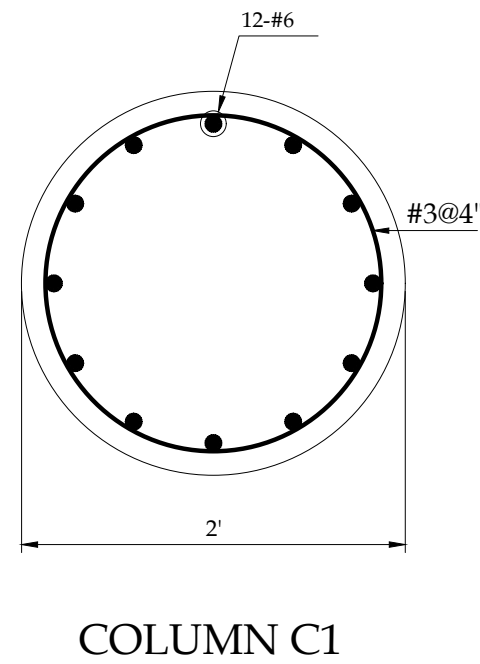
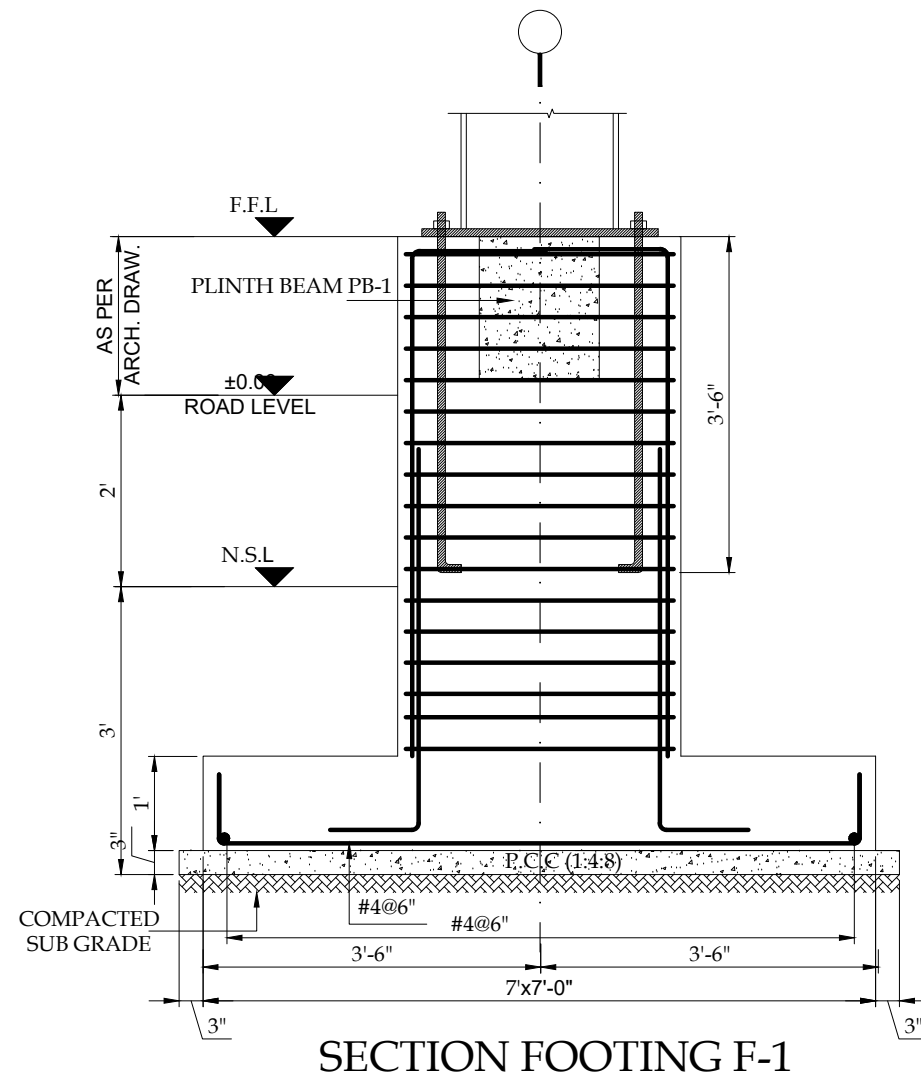


PLINTH BEAM
PB-1

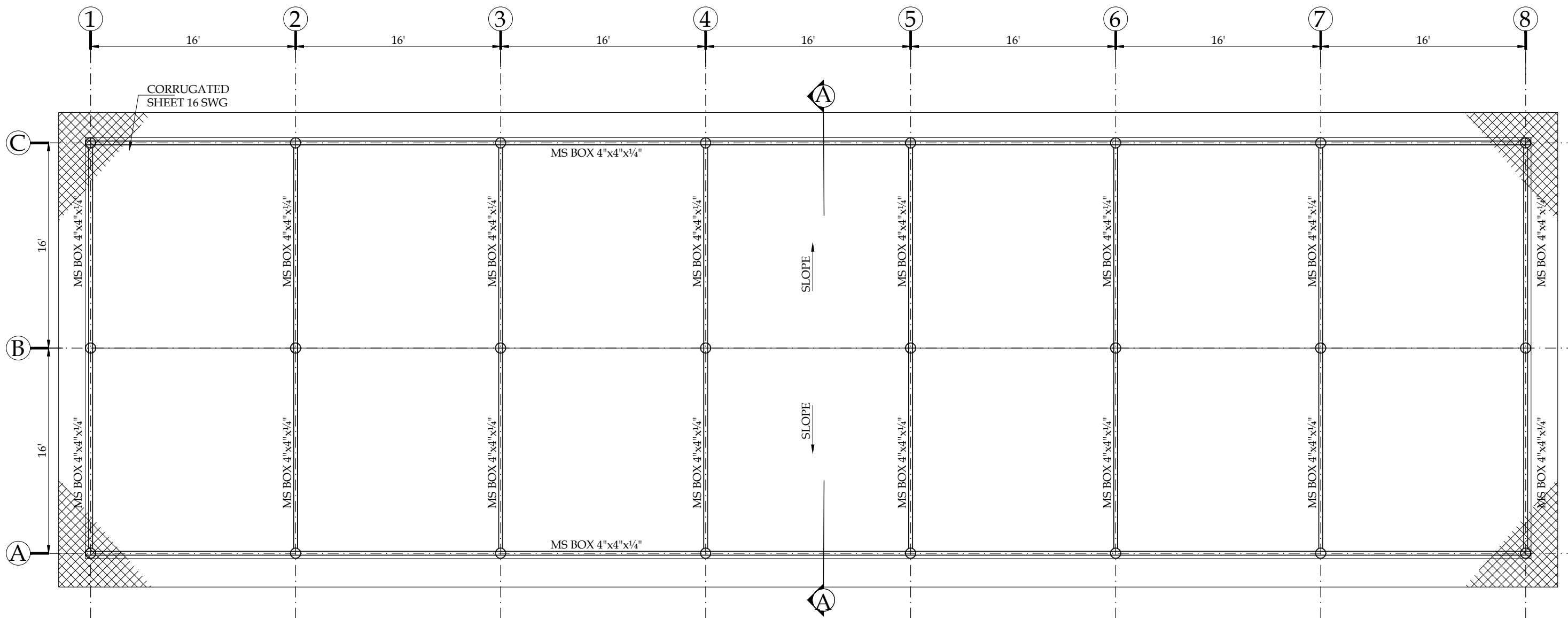


PLINTH BEAM LAYOUT PLAN

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 PLINTH BEAM LAYOUT PLAN & SECTION DETAIL	DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY:	MUHAMMAD ASAD ULLAH		STR-2502					
			CHECKED BY:	SABIR HUSSAIN		SCALE:	SHEET:				
			APPROVED BY:	SABIR HUSSAIN							
								DATE:	MARCH, 2025		



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		REVAMPING OF LAHORE ZOO		MUHAMMAD ADNAN		TRAM STATION		STR-2503									
						MUHAMMAD ASAD ULLAH		FOUNDATION SECTION DETAILS		SCALE:		SHEET:							
						SABIR HUSSAIN						A3							
						SABIR HUSSAIN													
						MARCH, 2025													



MS ROOF FRAMING PLAN

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		MUHAMMAD ADNAN		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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.pkwww.ecsp.com.pk		REVAMPING OF LAHORE ZOO		DESIGNED BY:		MUHAMMAD ASAD ULLAH		CHECKED BY:		SABIR HUSSAIN		STR-2504					
						APPROVED BY:		SABIR HUSSAIN		MS ROOF FRAMING PLAN		SCALE:	SHEET:						
						DATE:		MARCH, 2025					A3						

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:

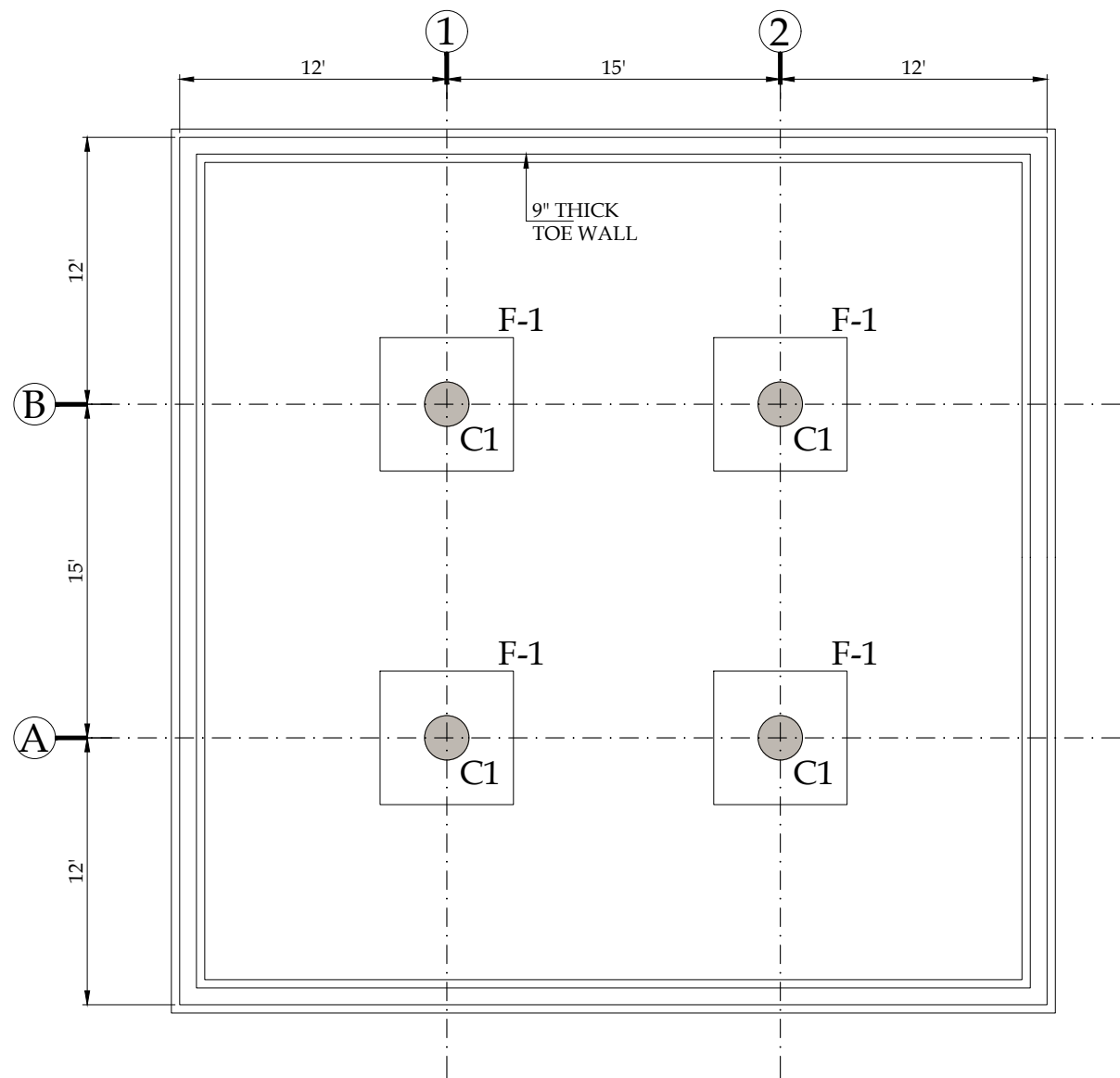


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

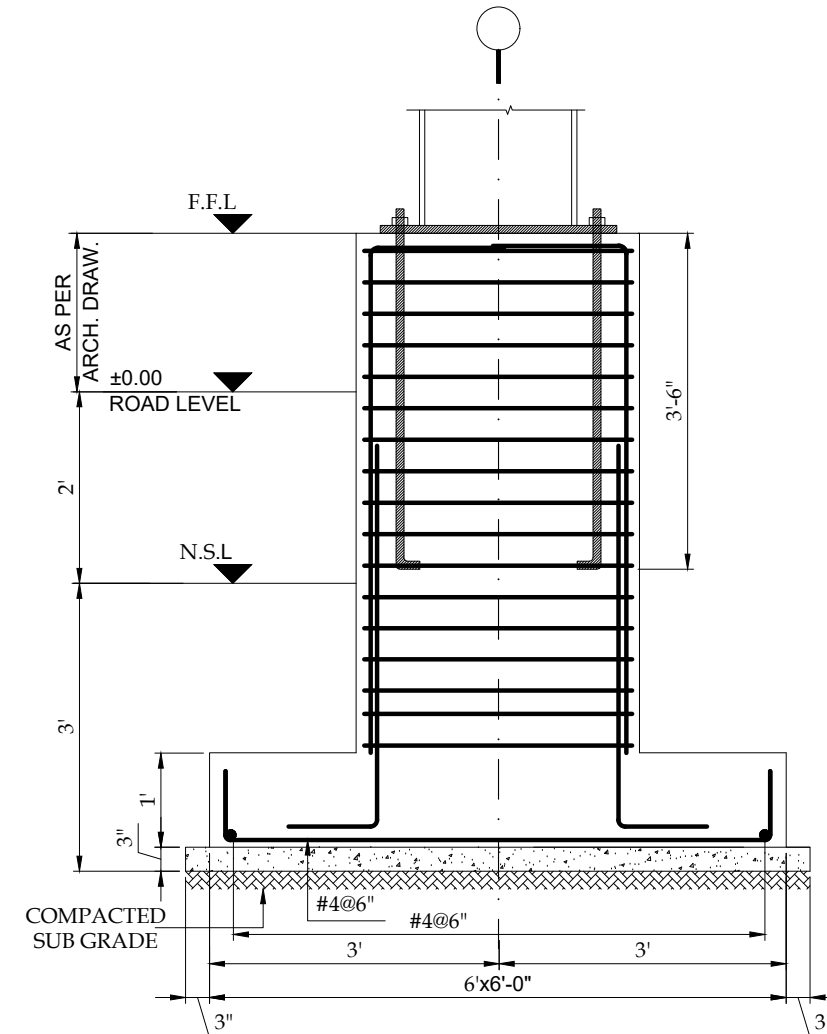
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

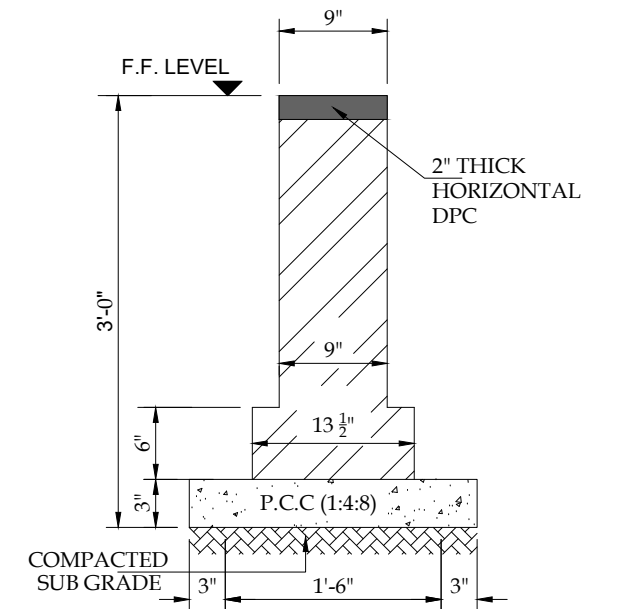
info@ecsp.com.pk www.ecsp.com.pk



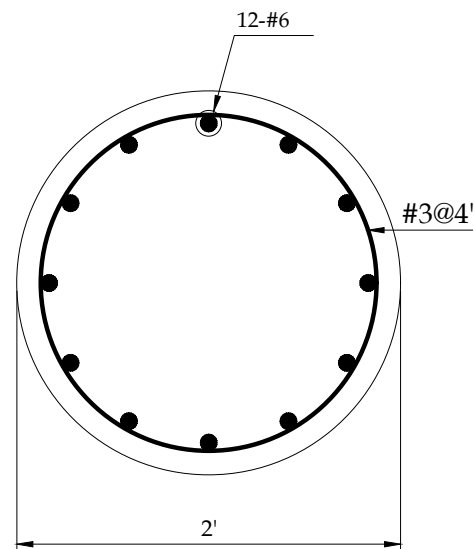
FOUNDATION LAYOUT PLAN



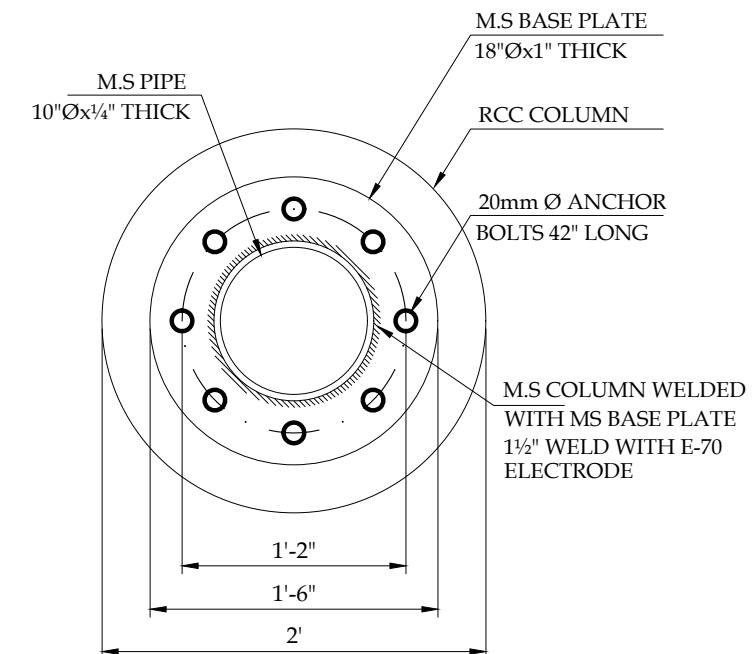
SECTION FOOTING F-1



TOE WALL FOOTING
X-SECTION

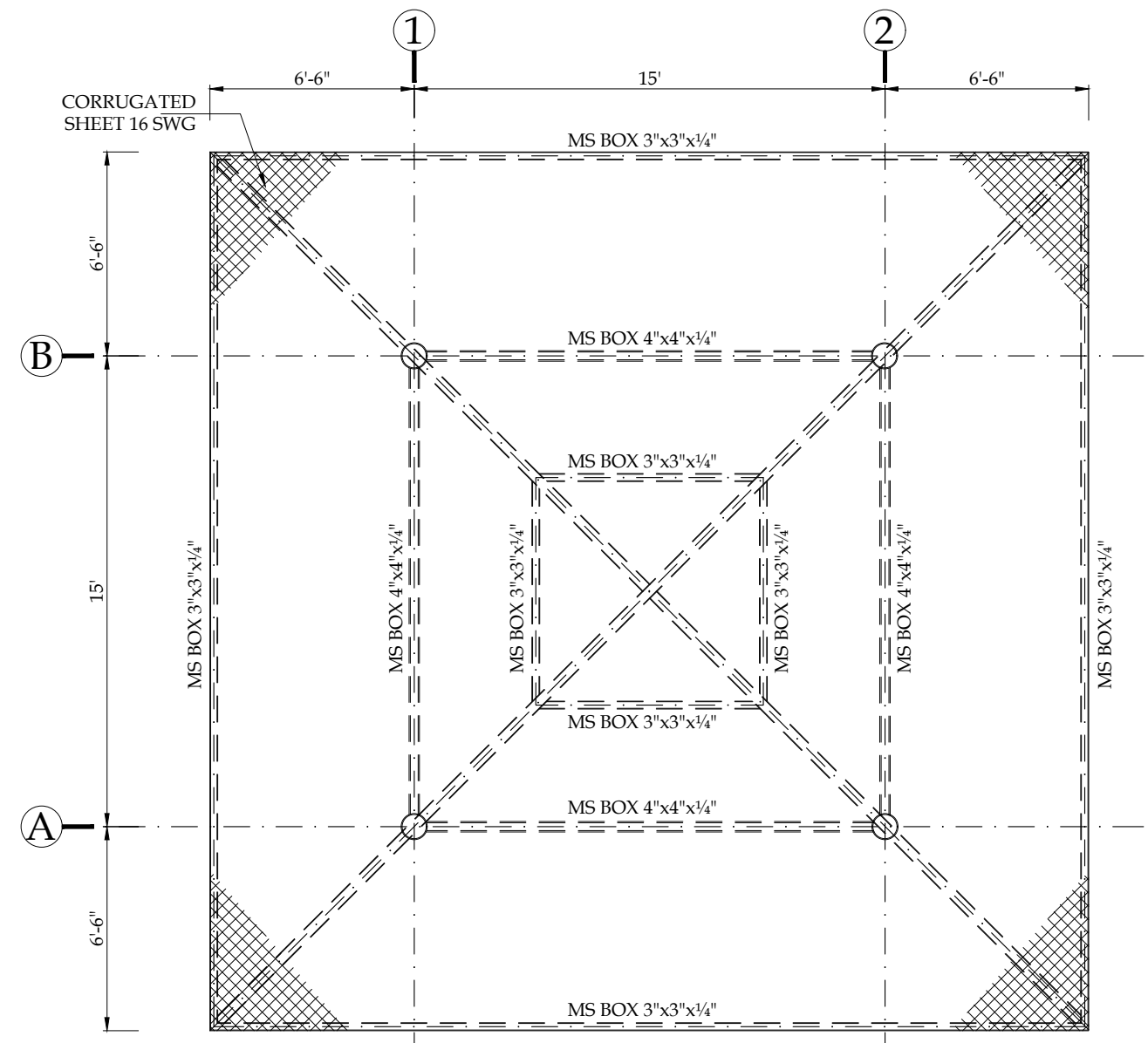
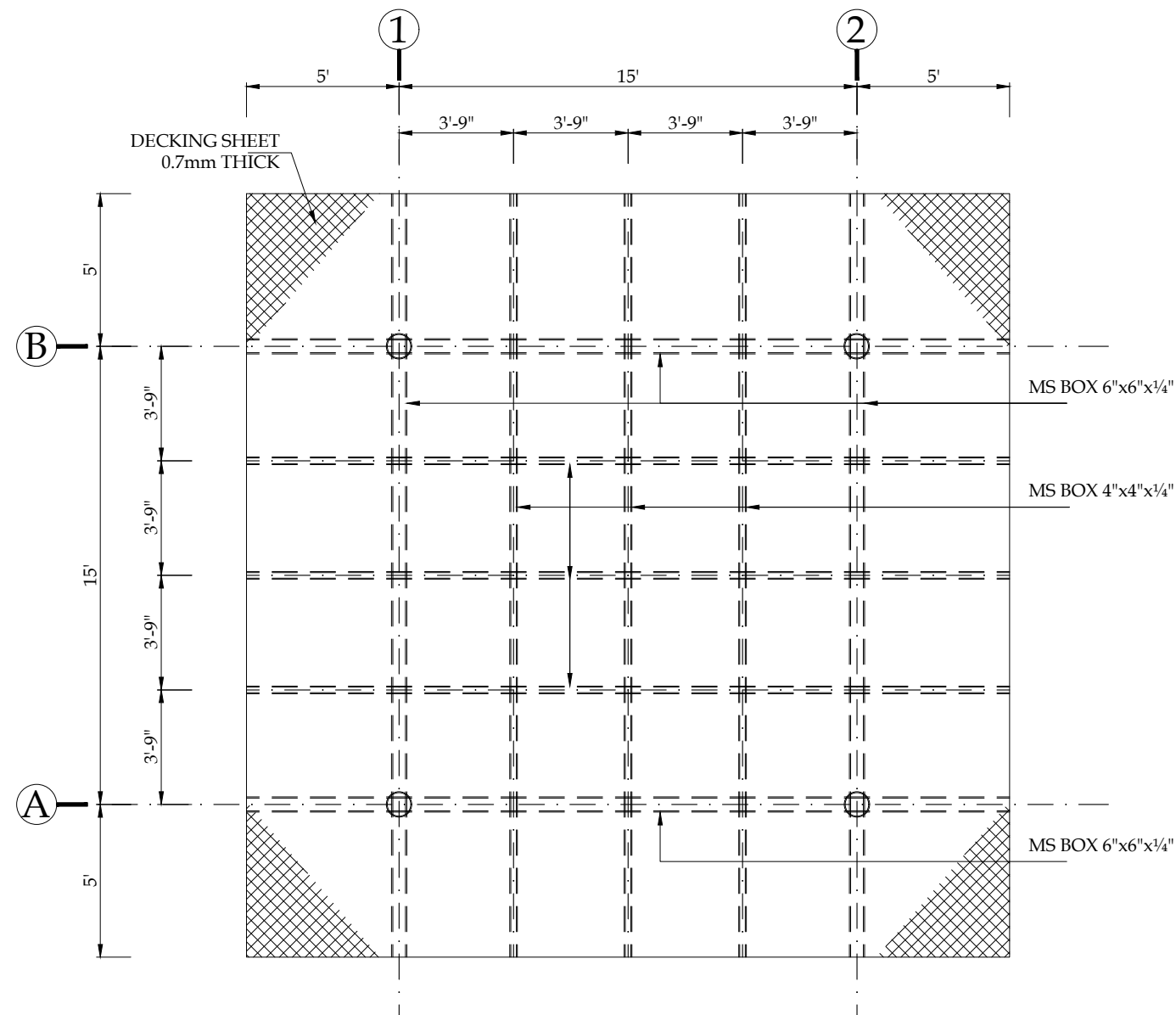


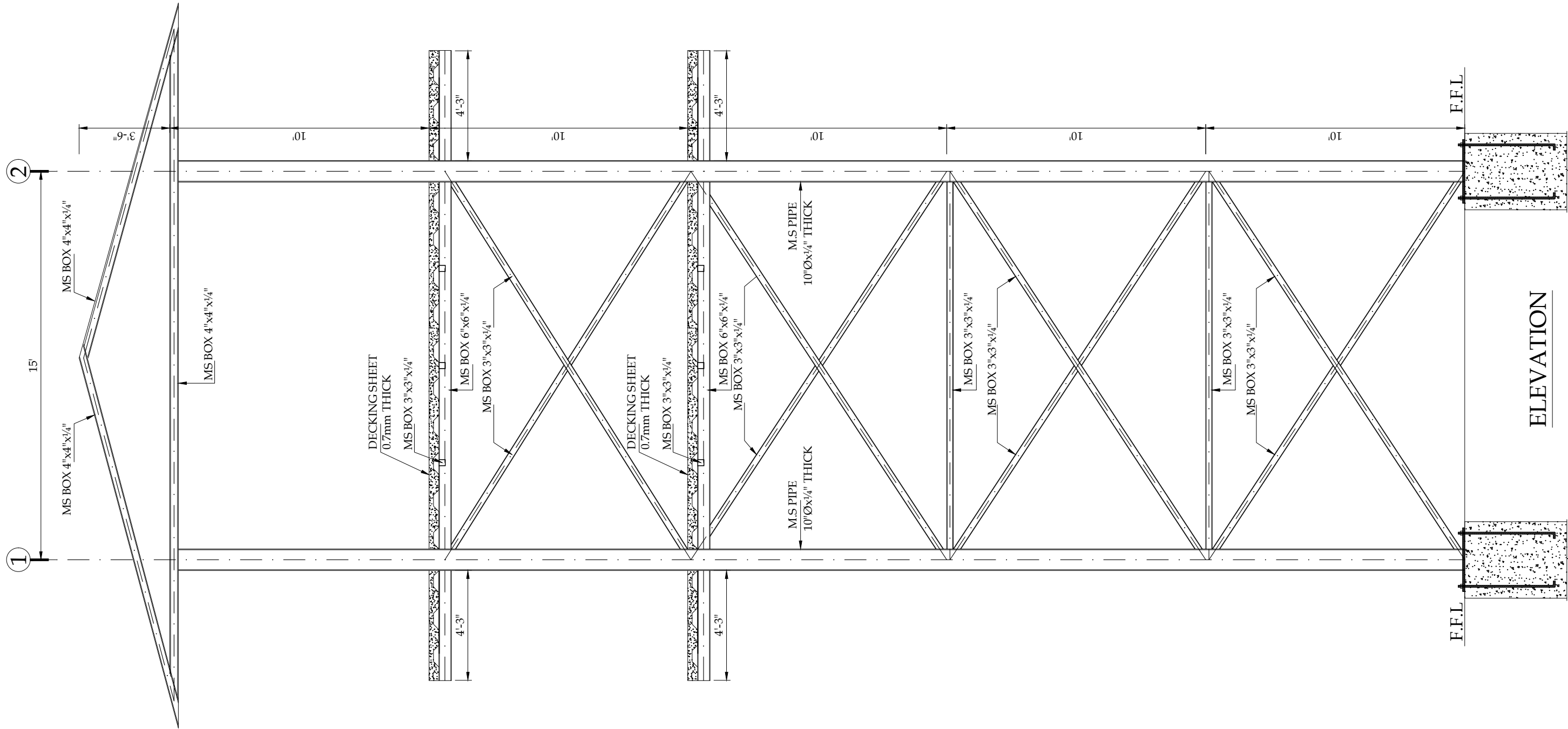
COLUMN C1



M.S BASE PLATE
DETAIL

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		REVAMPING OF LAHORE ZOO		DRAWN BY: MUHAMMAD ADNAN DESIGNED BY: MUHAMMAD ASAD ULLAH CHECKED BY: SABIR HUSSAIN APPROVED BY: SABIR HUSSAIN DATE: MARCH, 2025		WATCH TOWER FOUNDATION LAYOUT PLAN & SECTION DETAIL		STR-3001 SCALE: 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: REVAMPING OF LAHORE ZOO	DRAWN BY: MUHAMMAD ADNAN	DRAWING TITLE: WATCH TOWER ELEVATION	DRAWING NO: STR-3003	REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY: MUHAMMAD ASAD ULLAH						
SCALE:	SHEET: A3	APPROVED BY: SABIR HUSSAIN	CHECKED 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

MEDICAL CENTER

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

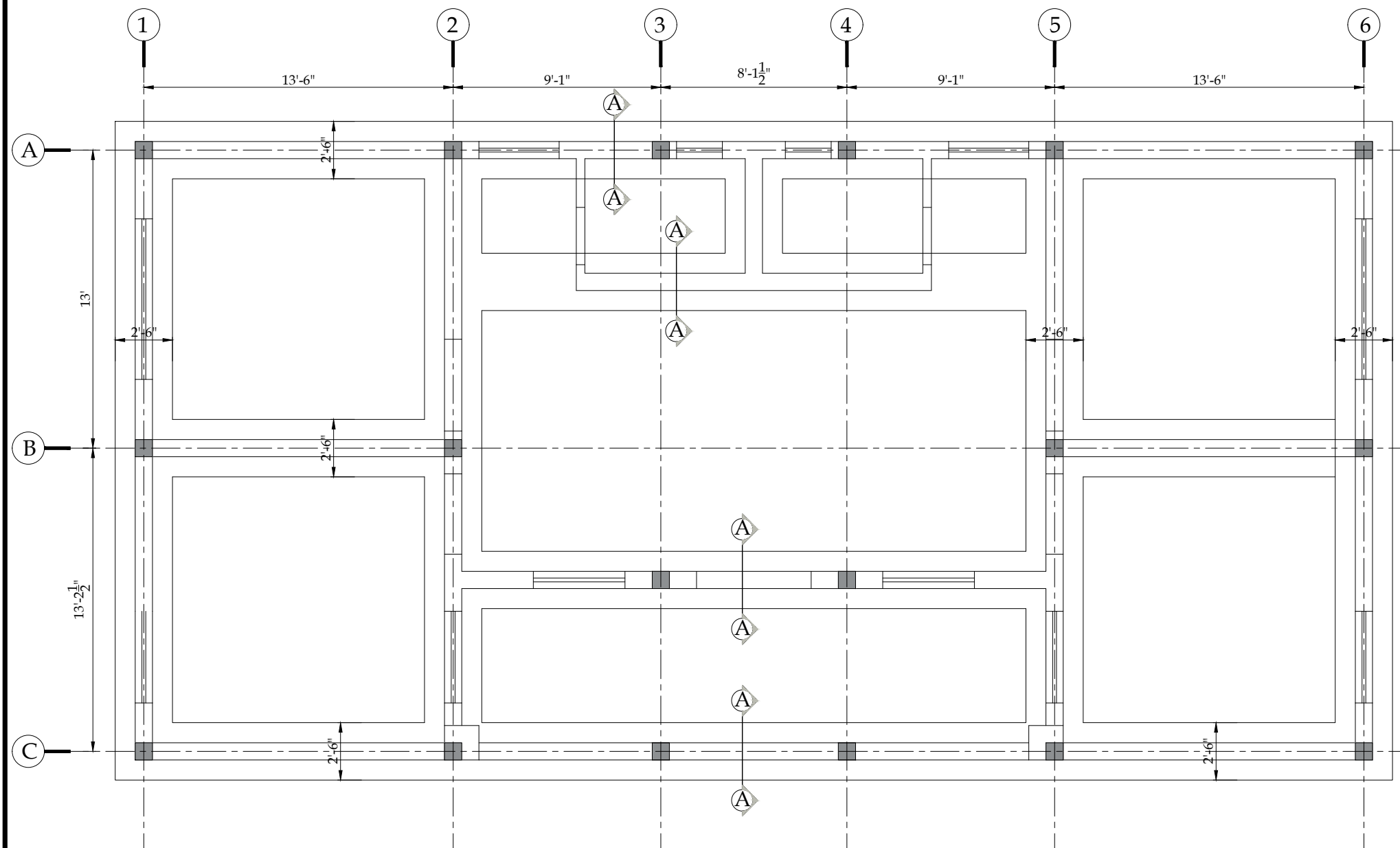


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

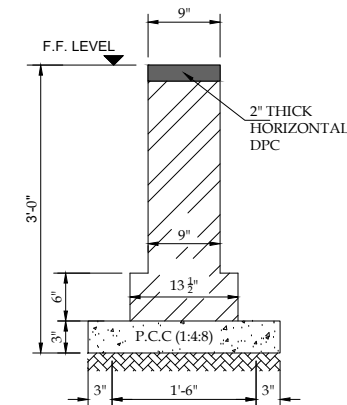
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

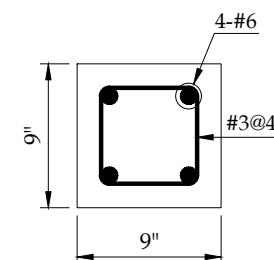
info@ecsp.com.pk www.ecsp.com.pk



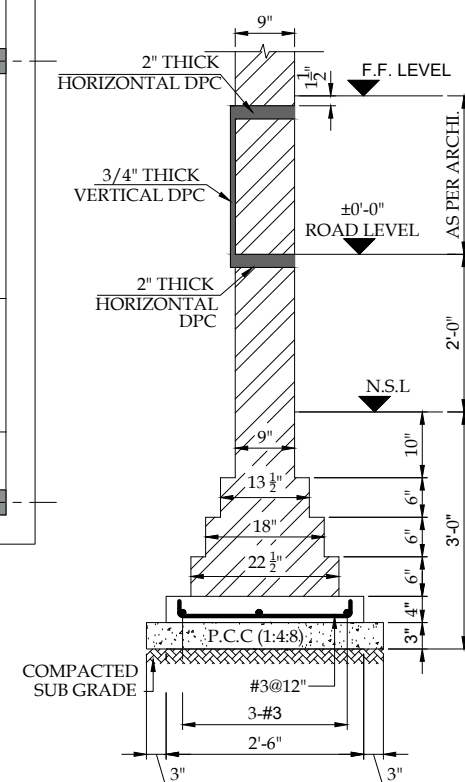
FOUNDATION LAYOUT PLAN



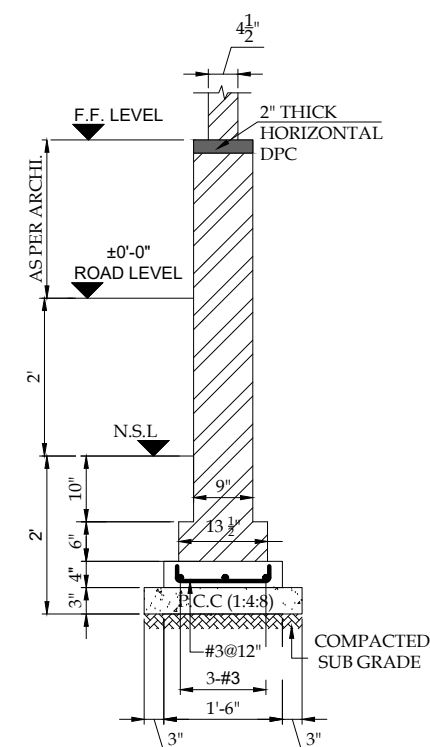
SECTION D-D



COLUMN C1

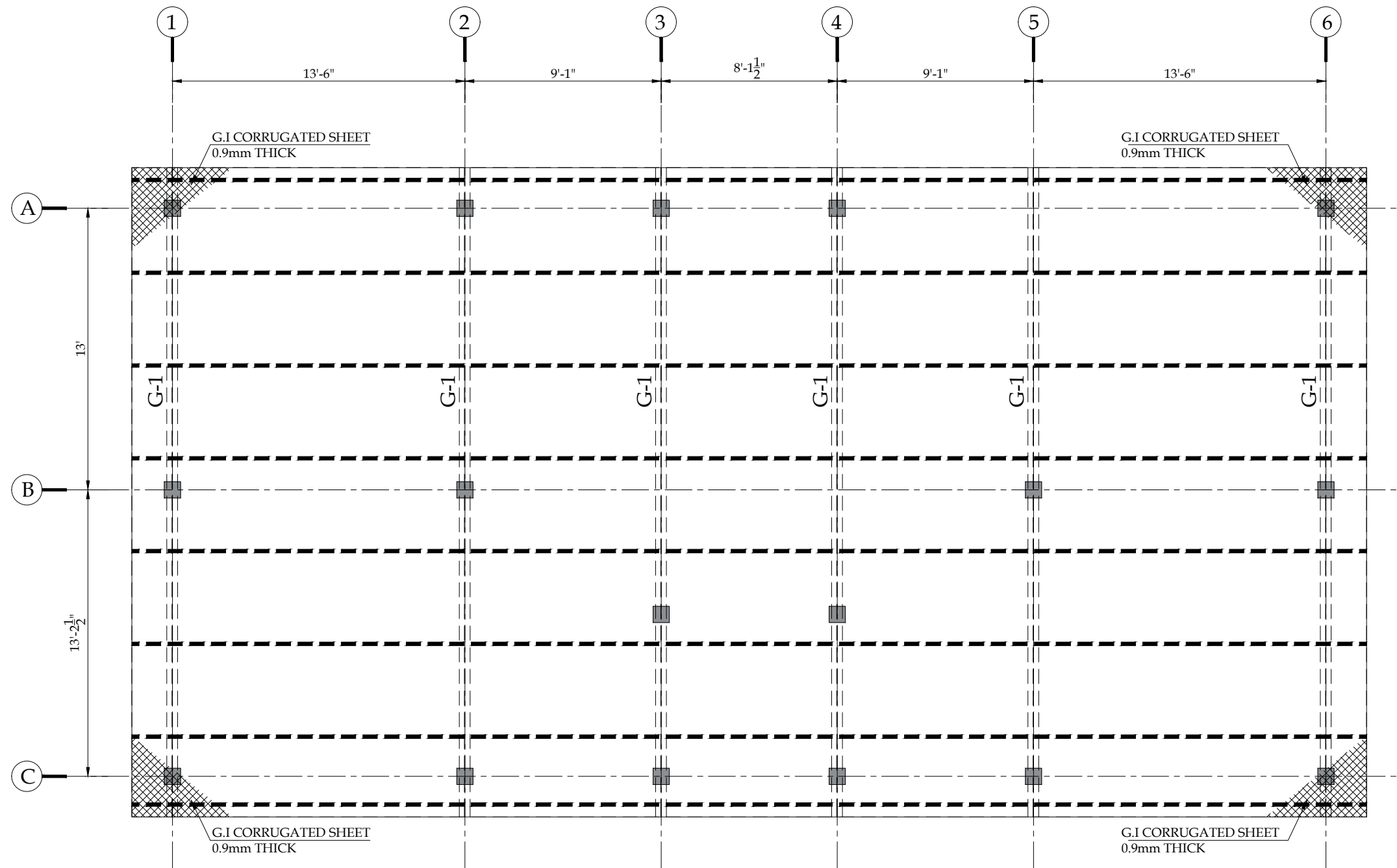


SECTION A-A



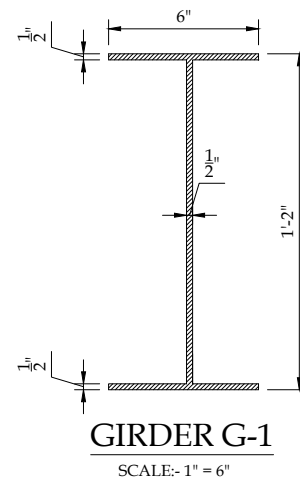
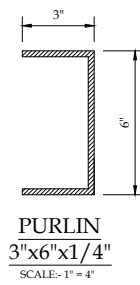
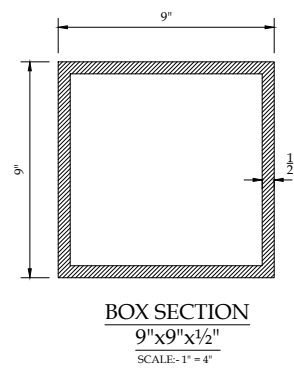
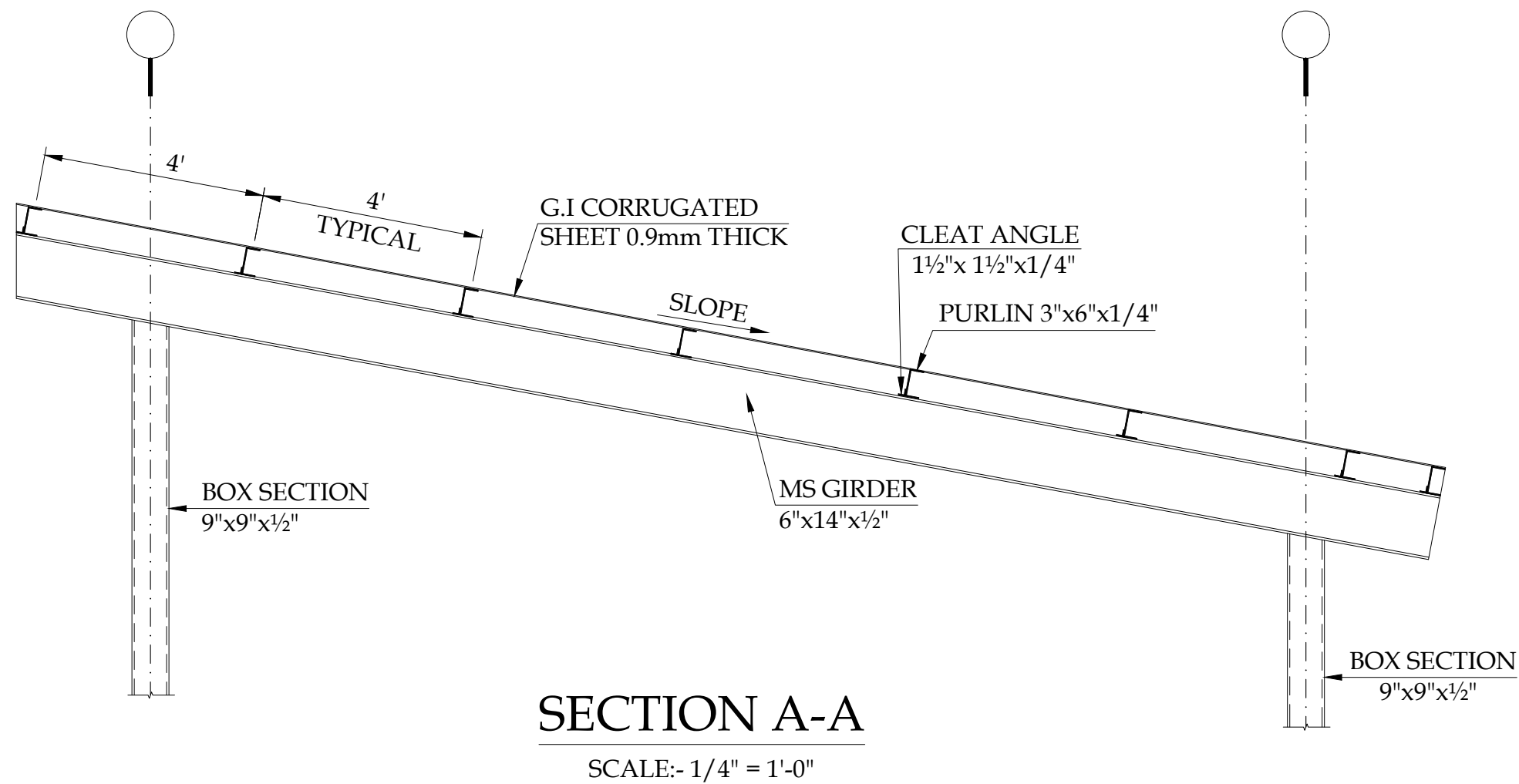
SECTION B-B

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			MEDICAL CENTER FOUNDATION LAYOUT PLAN & SECTION DETAIL			STR-3701					
									M. ASAD ULLAH											
									NAVEED NAZ											
									SABIR HUSSAIN											
						DATE: MARCH, 2025														
												SCALE: SHEET: A3								



MS ROOF FRAMING PLAN

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB   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 <td colspan="3" rowspan="5"> MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB </td> <td colspan="3">M.ADNAN</td> <td colspan="3" rowspan="5"> MEDICAL CENTER MS ROOF FRAMING PLAN </td> <td colspan="2">STR-3702</td> <td></td> <td></td> <td></td> <td></td>			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			MEDICAL CENTER MS ROOF FRAMING PLAN			STR-3702								
						M. ASAD ULLAH						SCALE:	SHEET:							
						NAVEED NAZ														
						SABIR HUSSAIN														
						MARCH, 2025														



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: MEDICAL CENTER TRUSS ELEVATION	DRAWING NO: STR-3703 SCALE: 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 TOURISM GATE

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

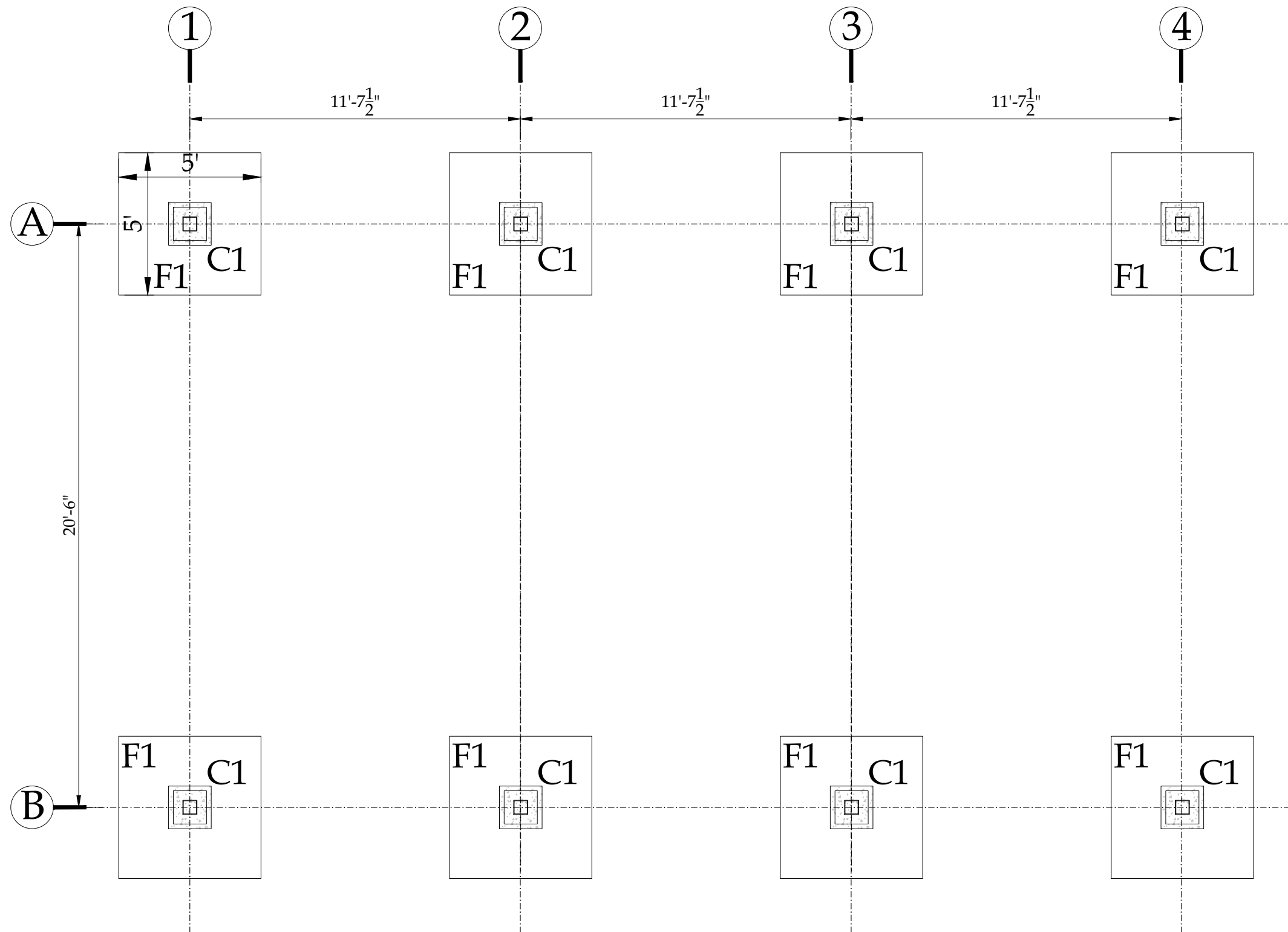


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

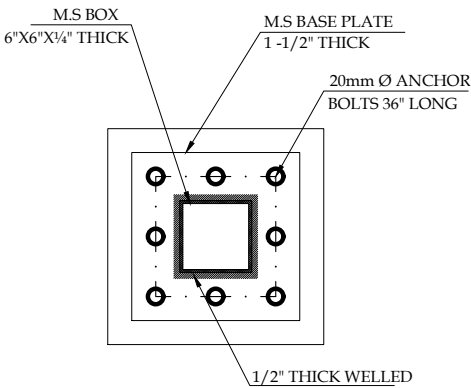
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

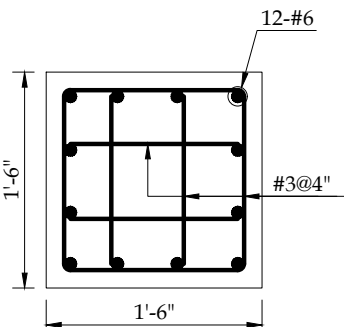


FOUNDATION LAYOUT PLAN

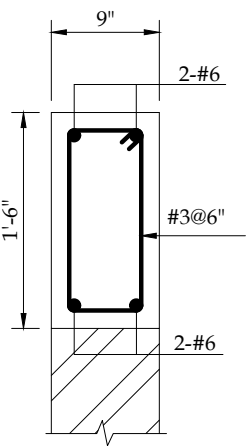
CLIENT:  PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	CONSULTANTS:  ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). P-83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	PROJECT: MASTER PLANNING AND IMPLEMENTATION 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: ECO TOURISM GATE FOUNDATION LAYOUT PLAN	DRAWING NO: STR-3801		REV.	DESCRIPTION	SIGN.	DATE
					SCALE:	SHEET: A3				



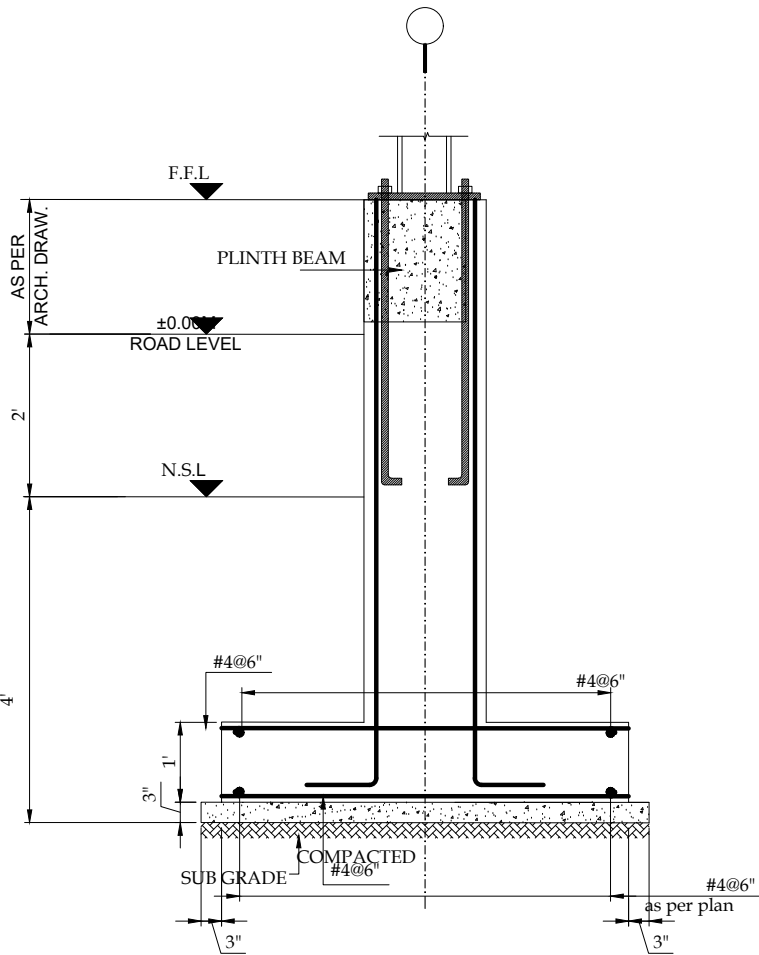
STEEL COLUMN AND BASE PLATE DETAILS



COLUMN C1



PLINTH BEAM
PB-1



SECTION FOOTING F-1

CLIENT:



CONSULTANTS:



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:

ECO TOURISM GATE

FOUNDATION SECTION DETAILS

DRAWING NO:

STR-3802

SCALE:

SHEET:

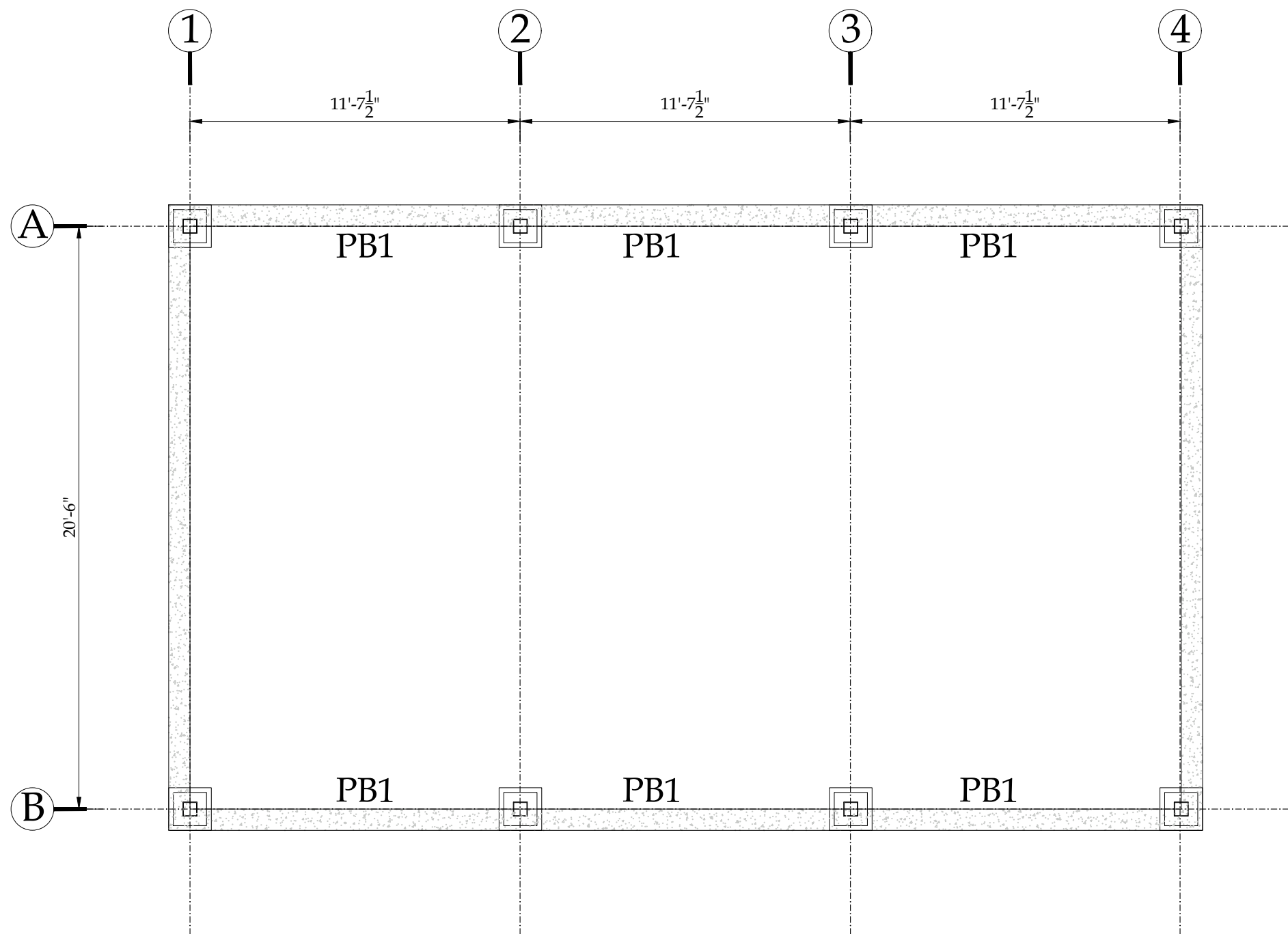
A3

REV.

DESCRIPTION

SIGN.

DATE



PLINTH BEAM LAYOUT PLAN

CLIENT:



CONSULTANTS:



ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).
P-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:

ECO TOURISM GATE

PLINTH BEAM LAYOUT PLAN

DRAWING NO:

STR-3803

SCALE:

SHEET:

A3

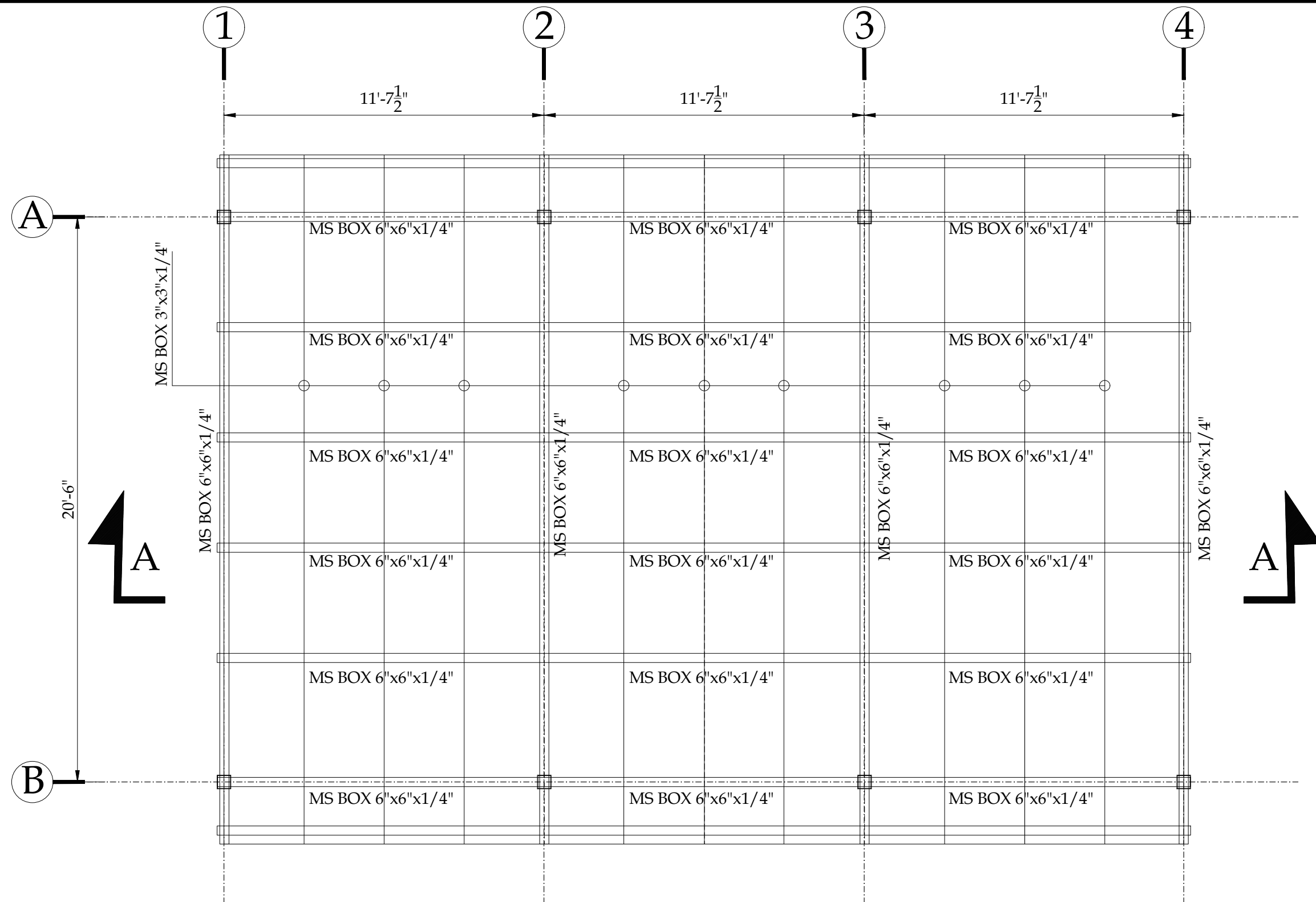
REV.

DESCRIPTION

SIGN.

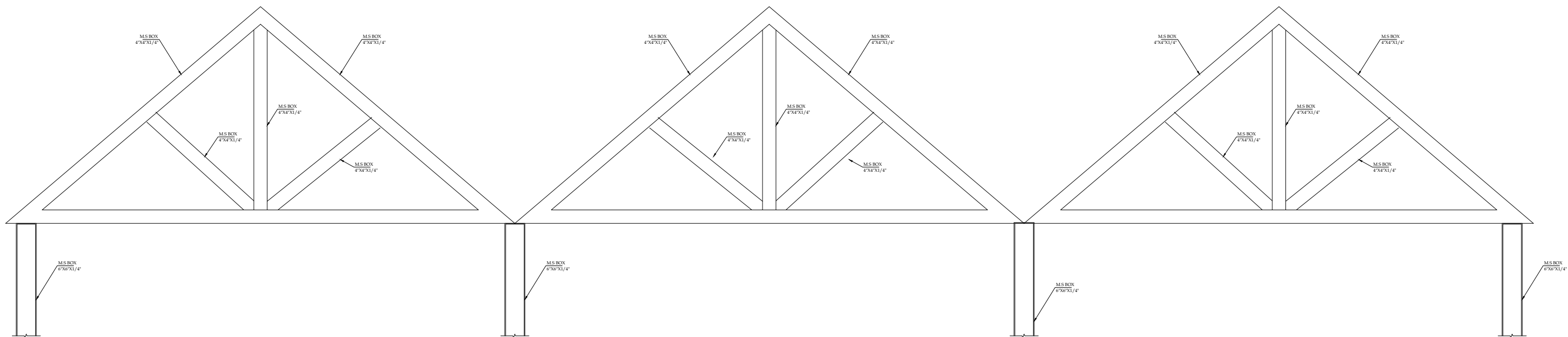
DATE

2302



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: ECO TOURISM GATE BRACING BEAMS LAYOUT PLAN AT EVERY 8' FROM PLINTH LEVEL TO +24'-0"	DRAWING NO: STR-3804 SCALE: SHEET: A3	REV.	DESCRIPTION	SIGN.	DATE



SECTION A-A

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		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		MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB		M.ADNAN		ECO TOURISM GATE		STR-3805					
						M. ASAD ULLAH		TRUSS ELEVATION							
						NAVEED NAZ				SCALE:		SHEET:			
						SABIR HUSSAIN						A3			
						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:

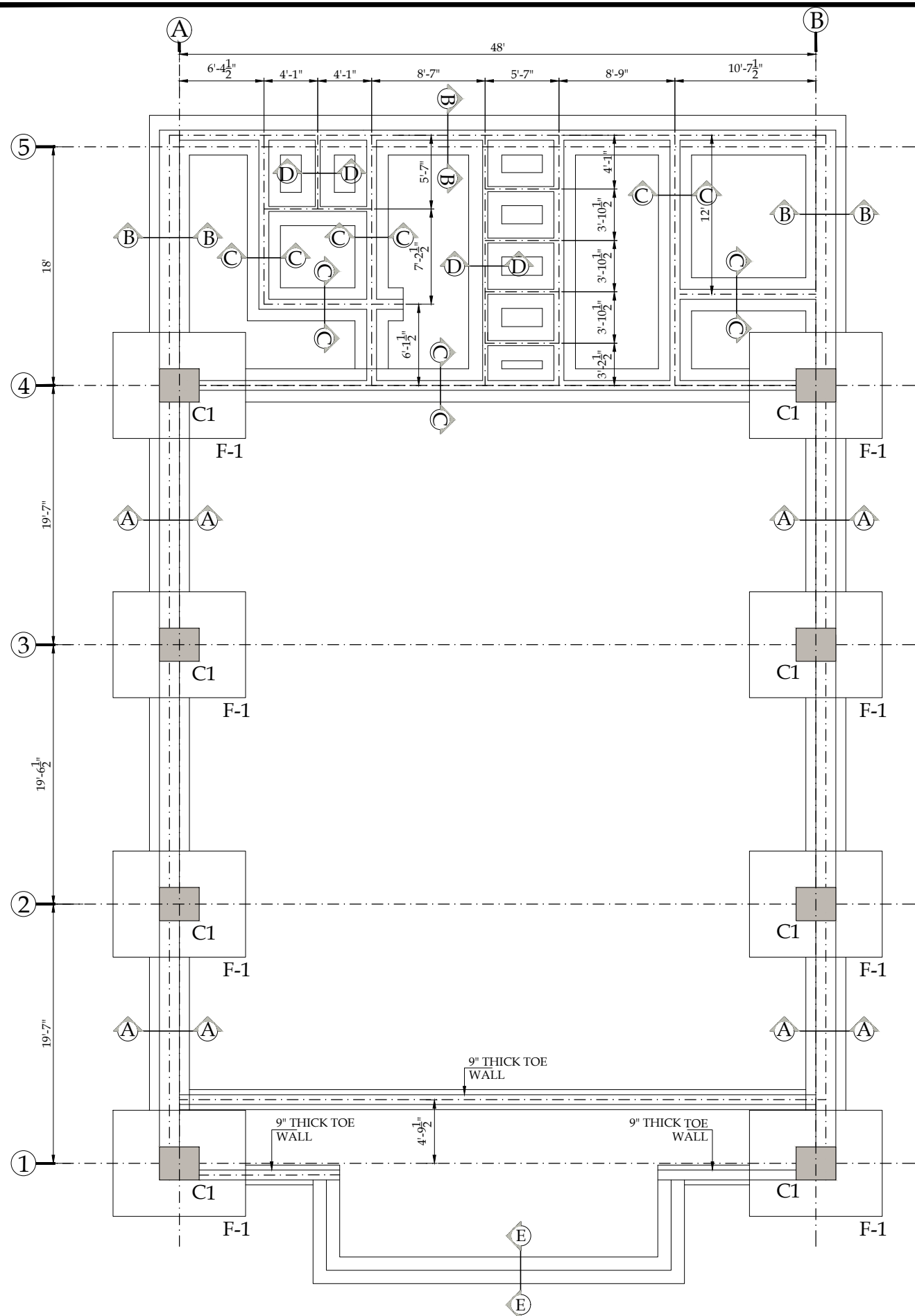


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

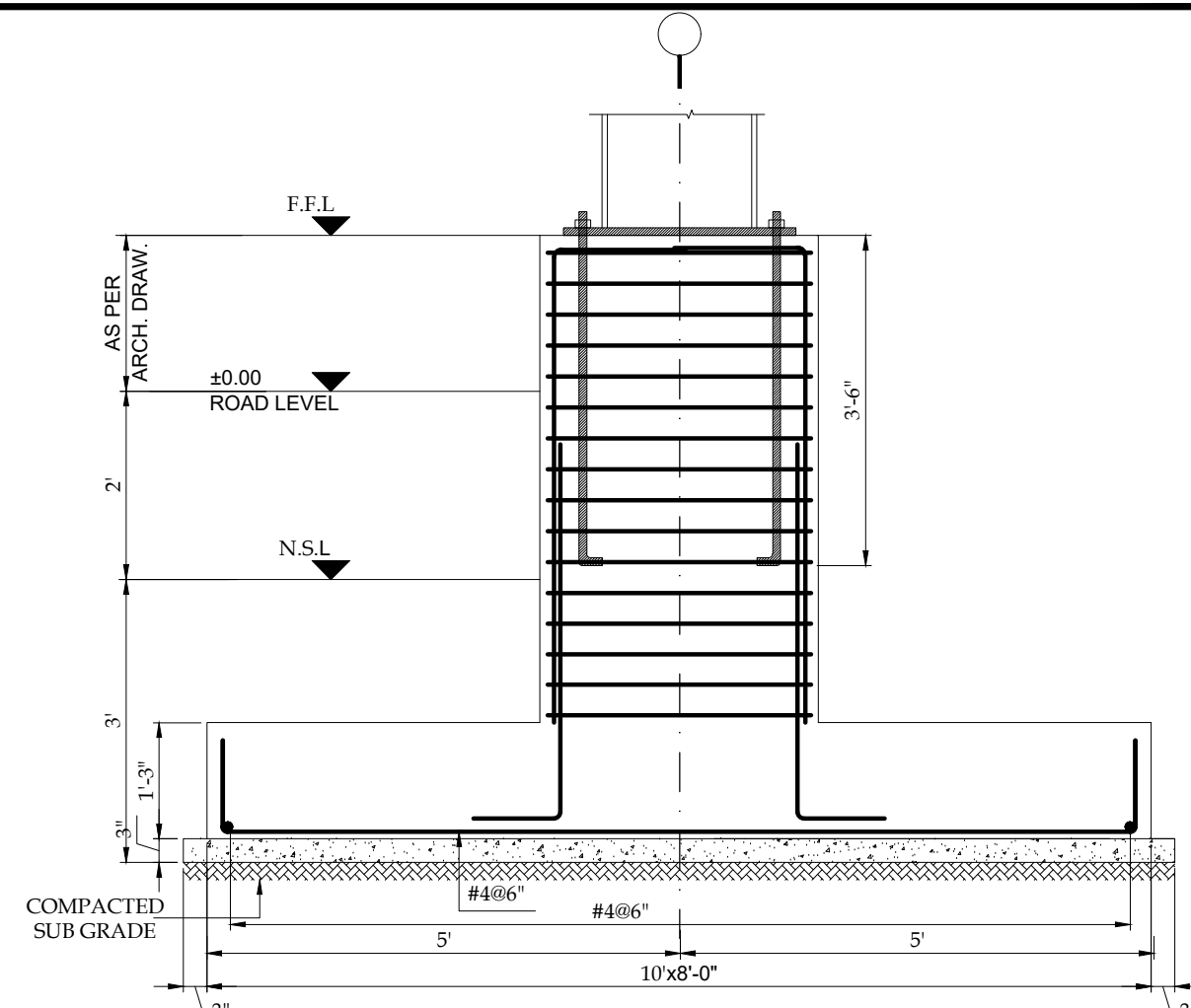
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

+92-42-99333976, +92-42-5717681-4

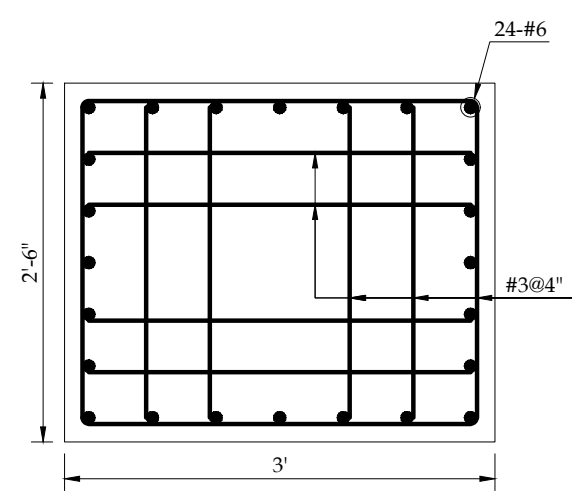
info@ecsp.com.pk www.ecsp.com.pk



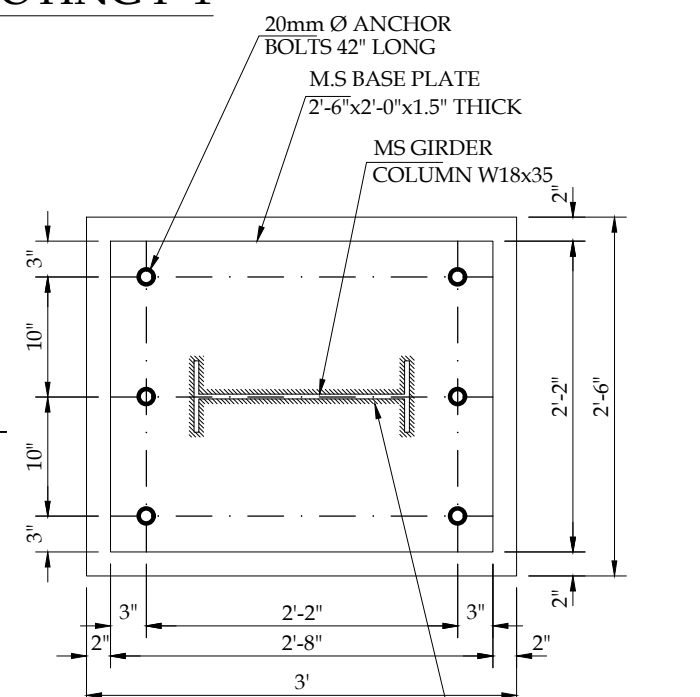
FOUNDATION LAYOUT PLAN



SECTION FOOTING F-1

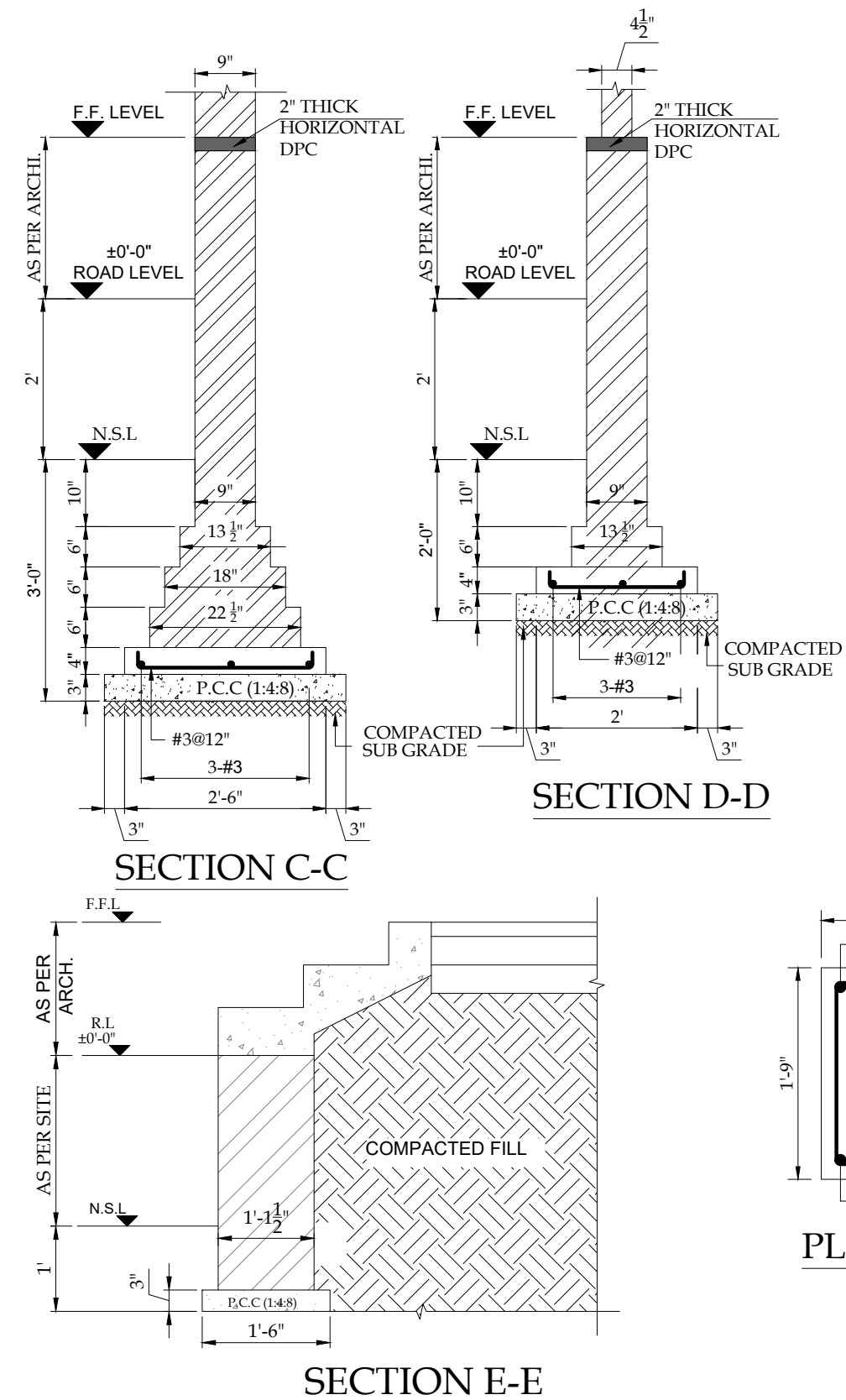
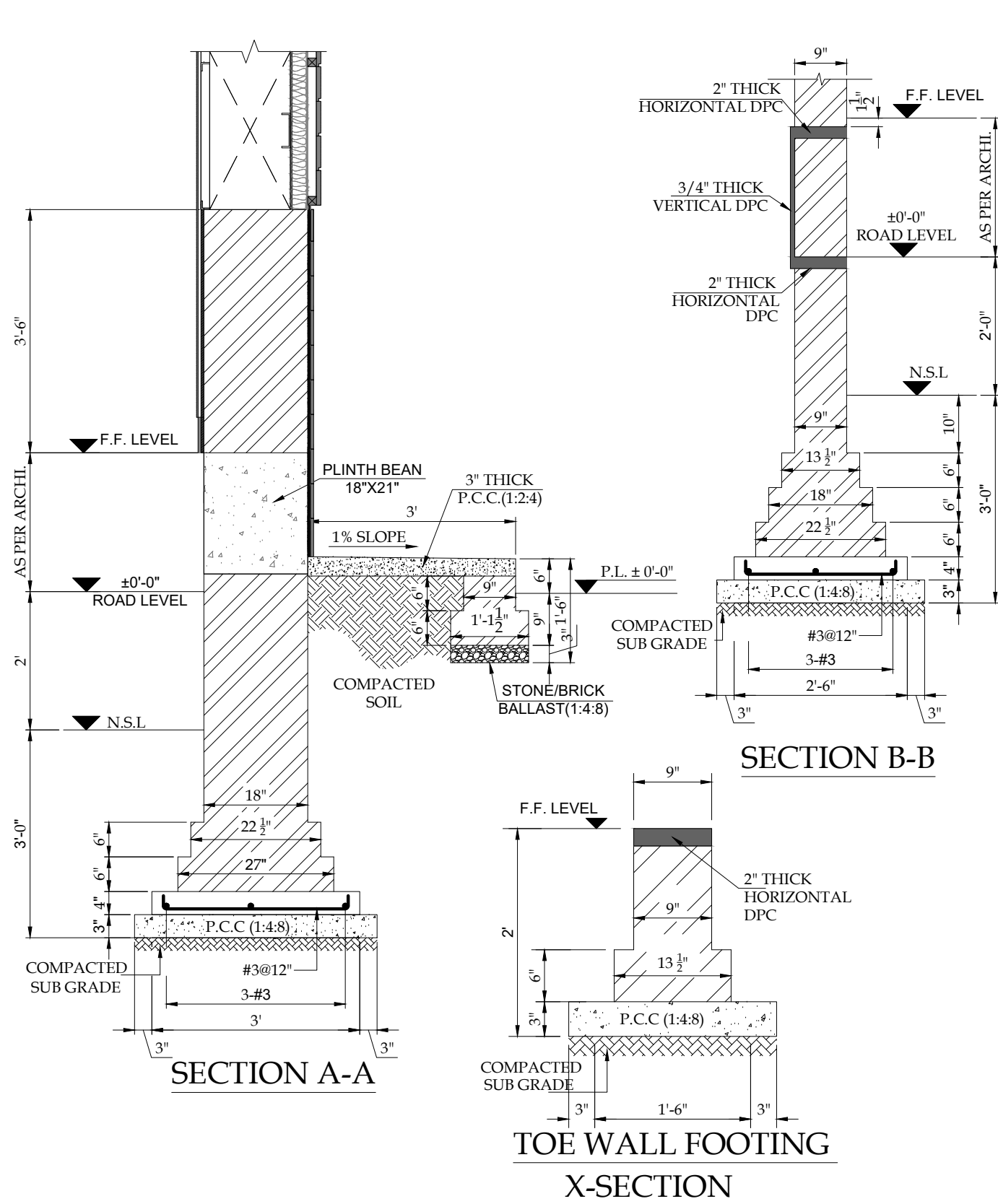


COLUMN C1

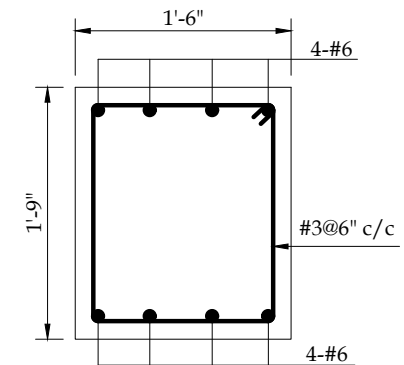
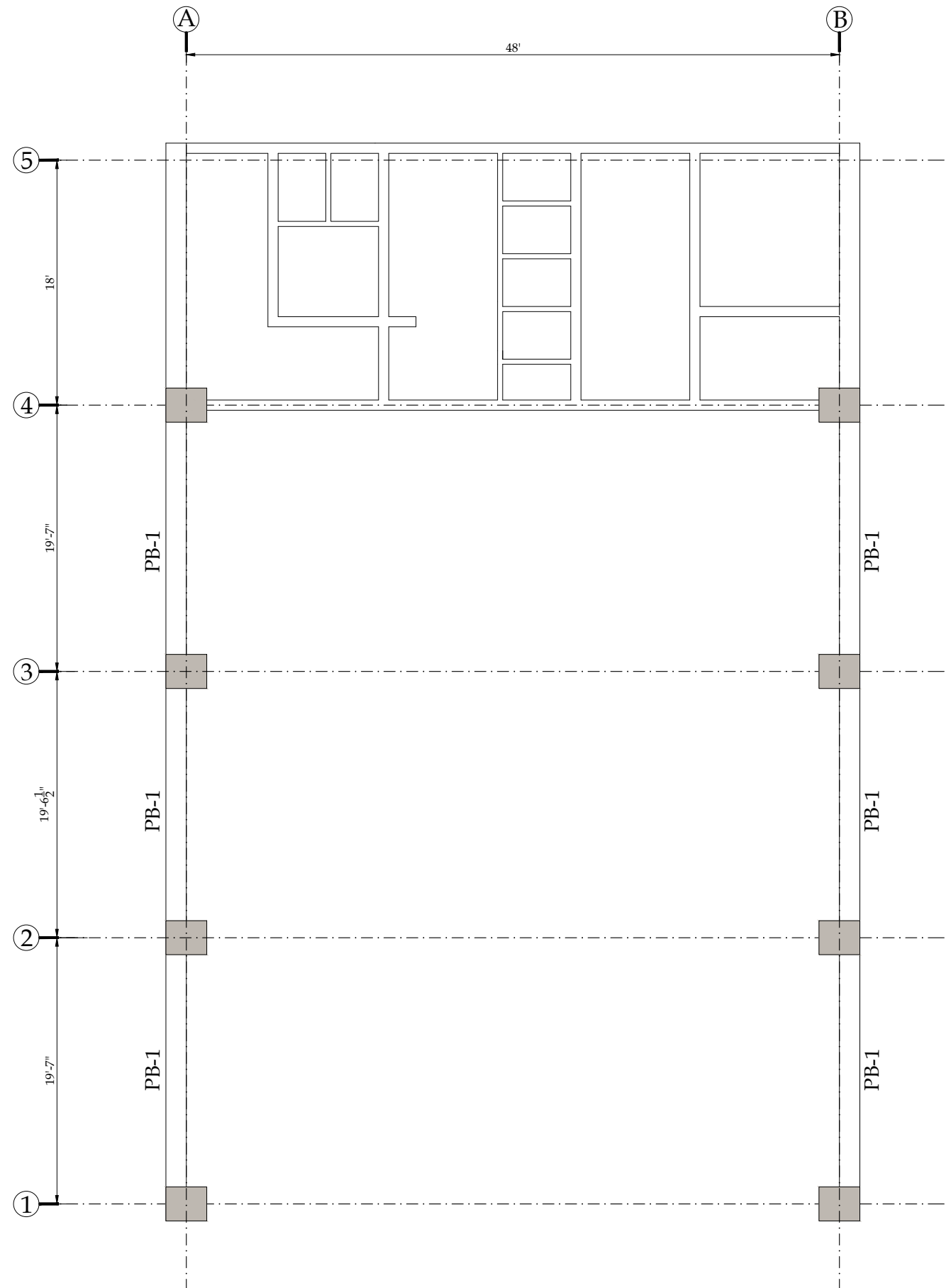


M.S. BASE PLATE FOR COLUMN C1

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			CORPORATE BOARD MEETING ROOM FOR MEETING FOUNDATION LAYOUT PLAN & SECTION DETAILS			STR-4001					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
						DATE: MARCH, 2025						SCALE: SHEET: A3								



CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			CORPORATE BOARD MEETING ROOM FOR MEETING FOUNDATION SECTION DETAILS			STR-4002					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
						DATE: MARCH, 2025														



PLINTH BEAM
PB-1

PLINTH BEAM LAYOUT PLAN

CLIENT:



CONSULTANTS:



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:

CORPORATE BOARD MEETING
ROOM FOR MEETING

PLINTH BEAM LAYOUT PLAN
& SECTION DETAIL

DRAWING NO:

STR-4003

SCALE:

SHEET:

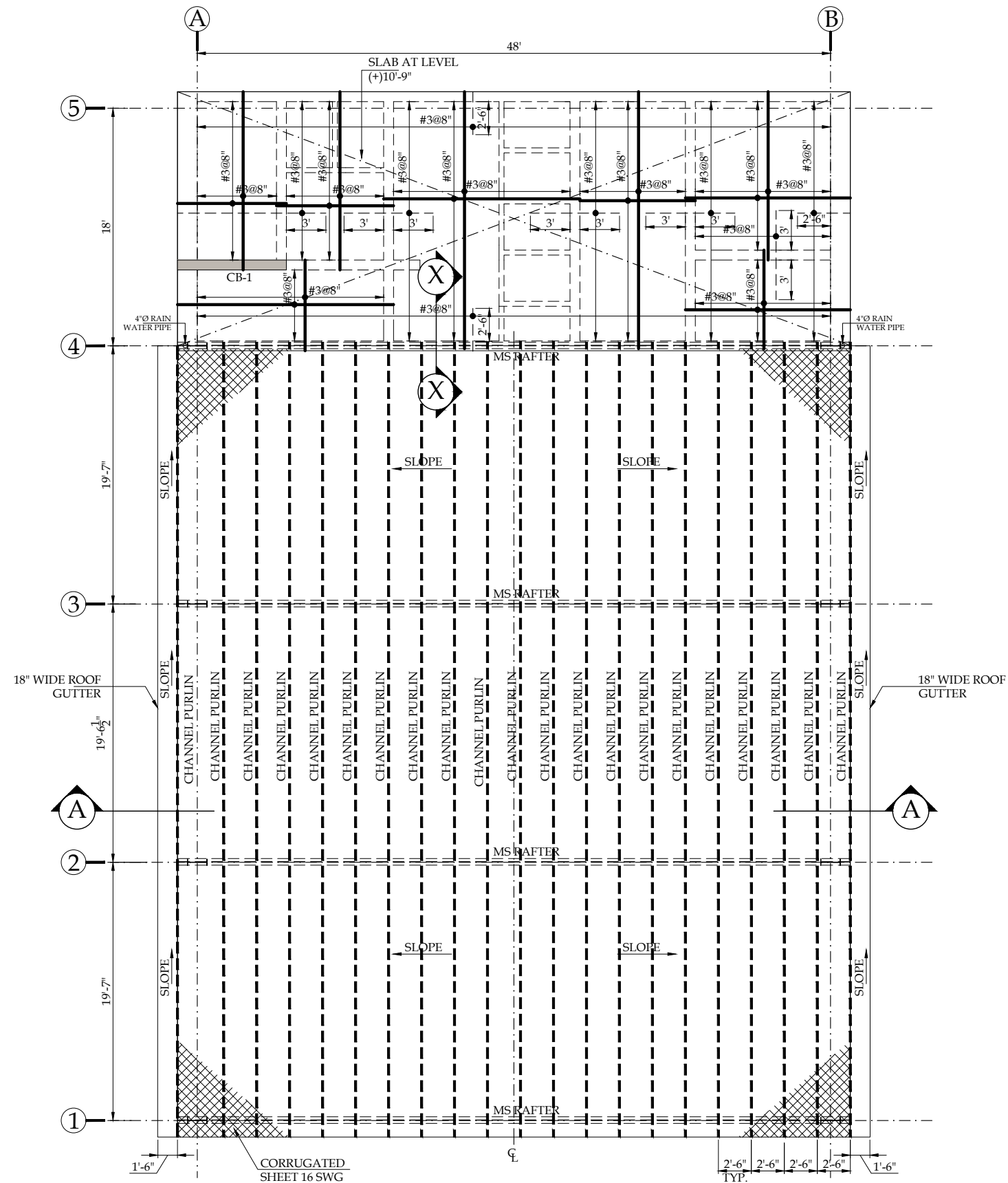
A3

REV.

DESCRIPTION

SIGN.

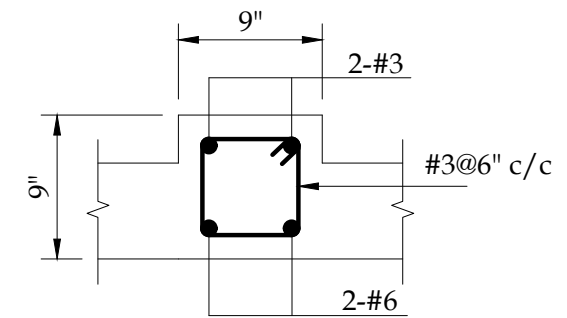
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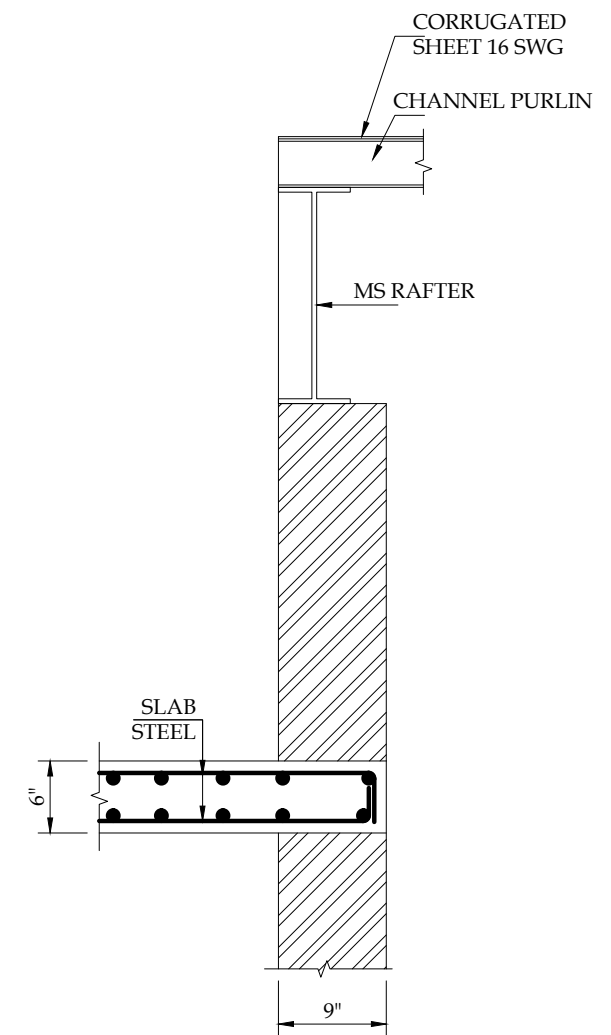
NOTE:

1. THICKNESS OF ALL SLABS IS 6" UNLESS OTHERWISE NOTED.
2. DISTRIBUTION TOP BARS #3@12" c/c.

MS ROOF FRAMING PLAN



BEAM CB-1



SECTION X-X

CLIENT:



CONSULTANTS:



PROJECT:

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

DRAWN BY:

M.ADNAN

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DATE:

MARCH, 2025

DRAWING TITLE:

**CORPORATE BOARD MEETING
ROOM FOR MEETING**

**MS ROOF FRAMING PLAN
& SECTION DETAIL**

DRAWING NO:

STR-4004

SCALE:

SHEET:

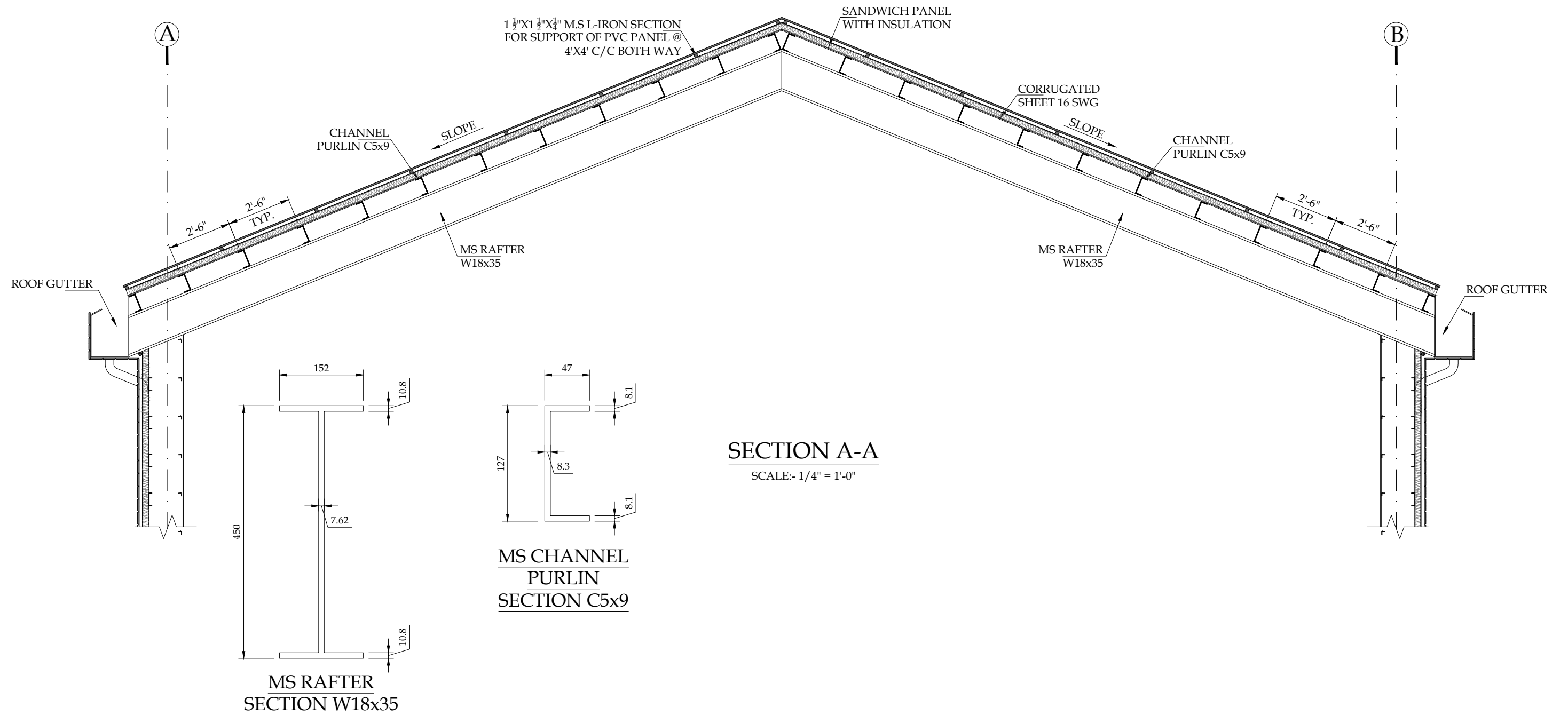
A3

REV.

DESCRIPTION

SIGN.

DATE



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: CORPORATE BOARD MEETING ROOM FOR MEETING ROOF SECTION DETAIL	DRAWING NO: STR-4005 SCALE: 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:

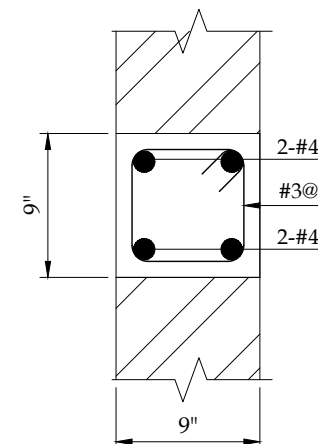


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

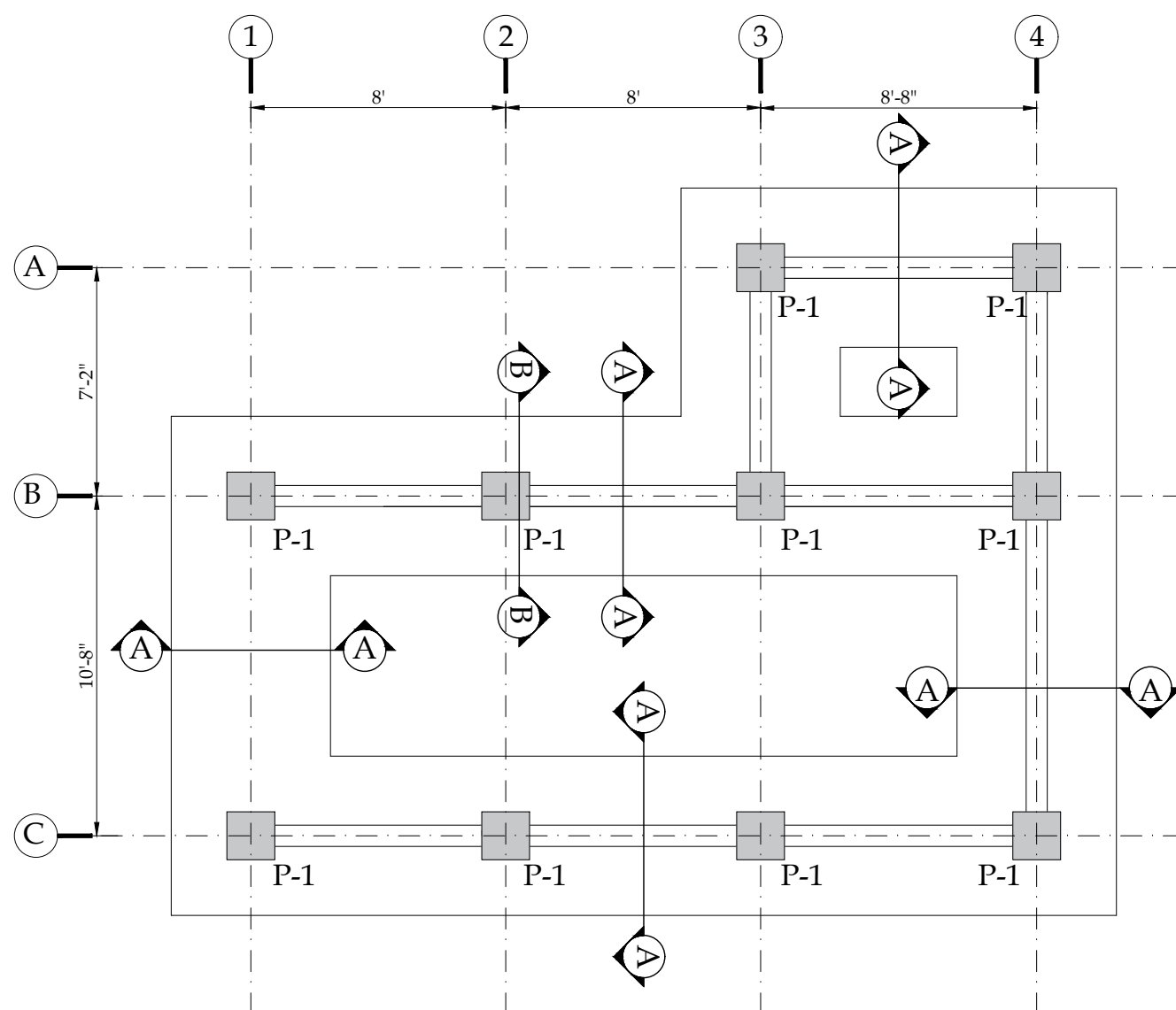
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk



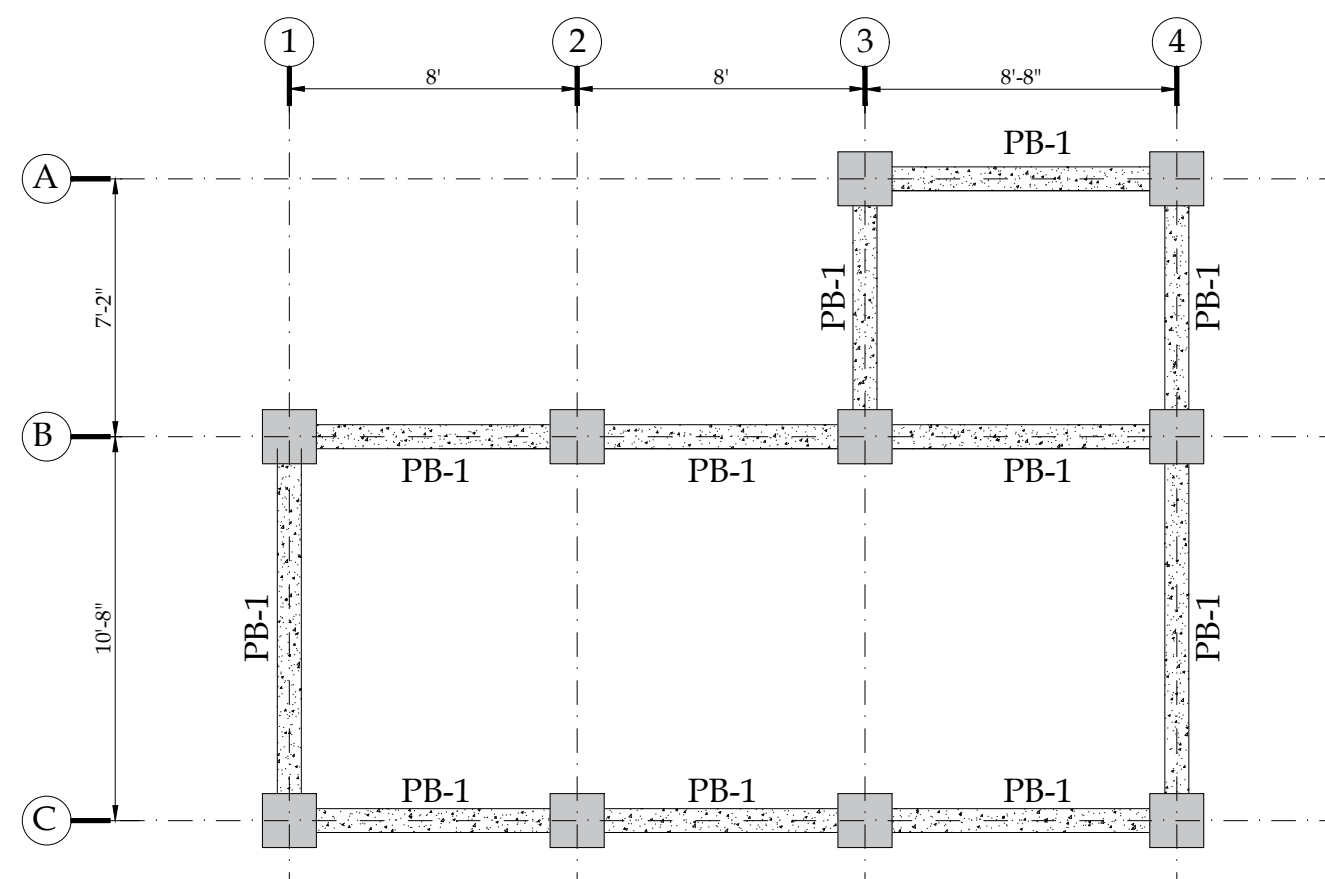
**PLINTH
BAND PB1**

SCALE:- 1" = 1'-0"



FOUNDATION LAYOUT PLAN

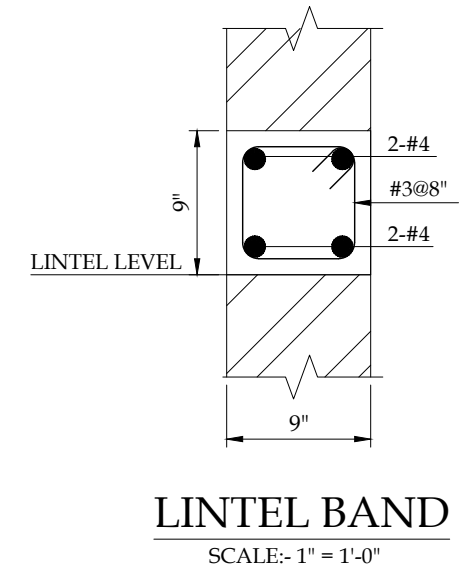
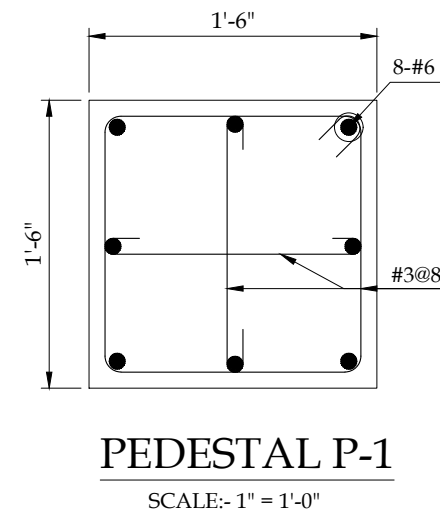
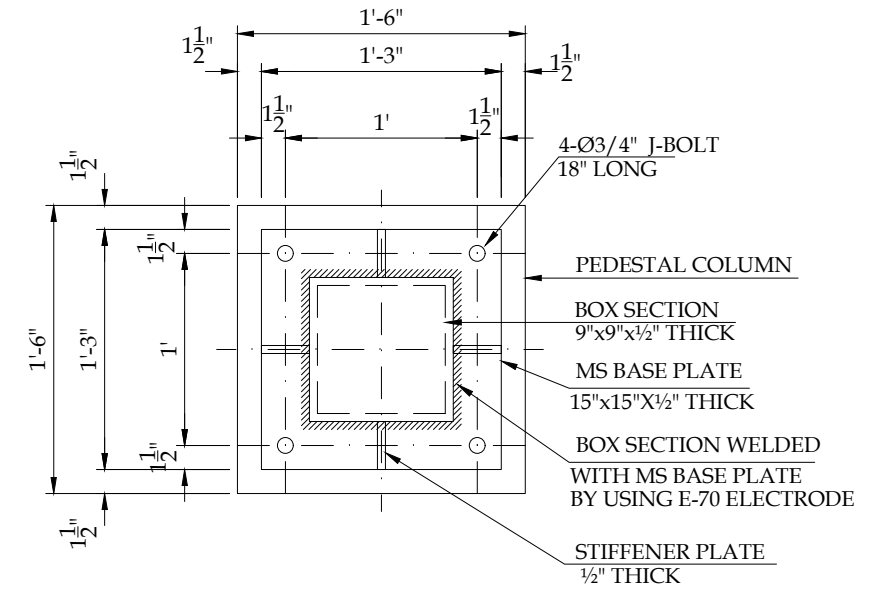
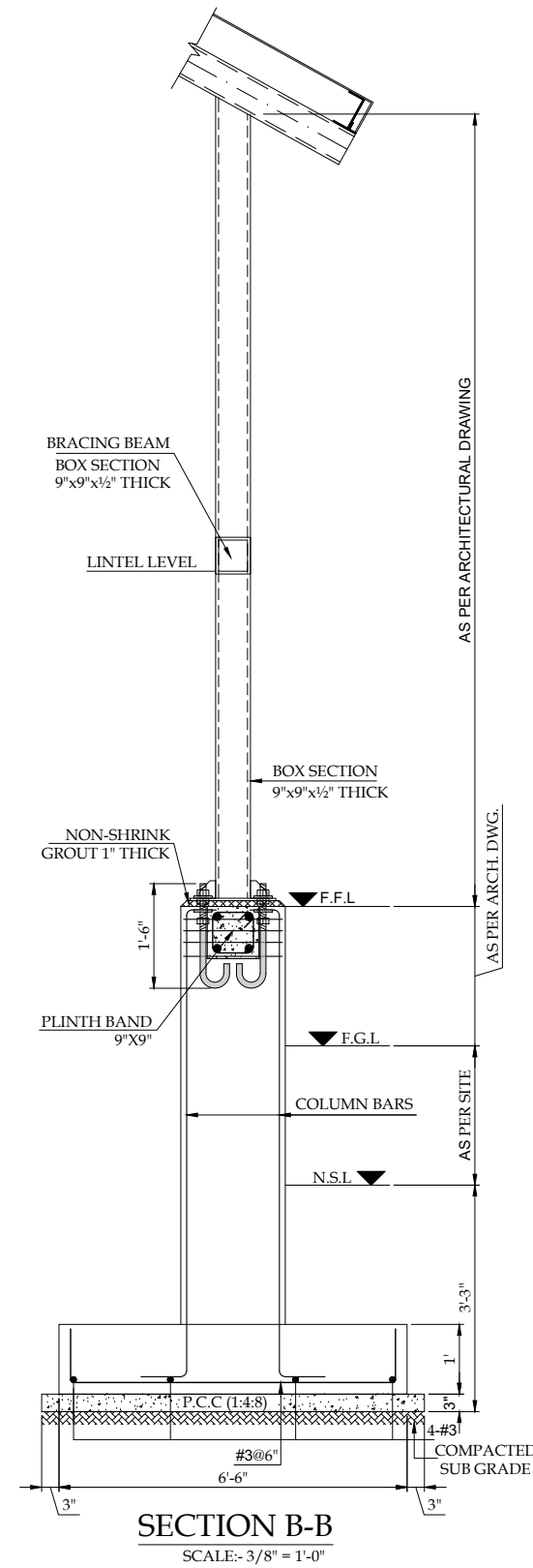
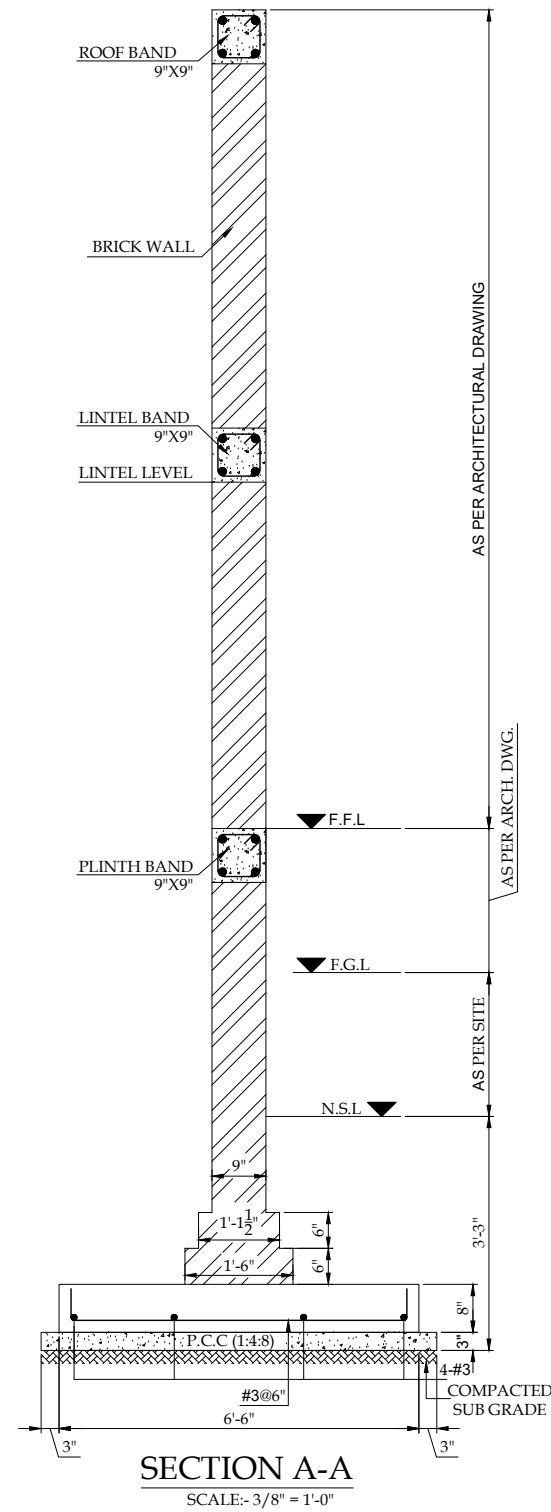
SCALE:- 3/16" = 1'-0"



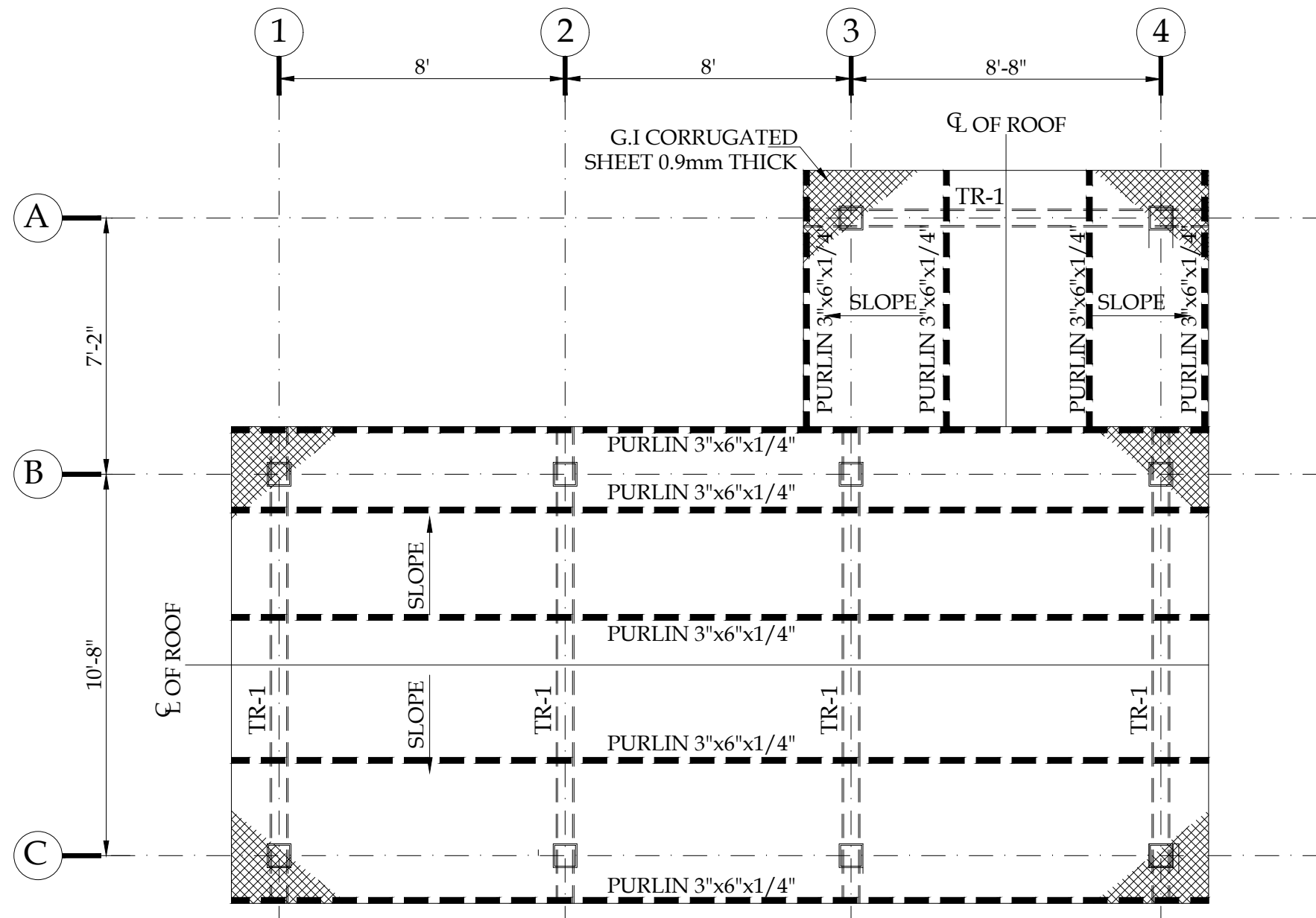
PLINTH BEAM LAYOUT PLAN

SCALE:- 3/16" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.		DESCRIPTION		SIGN.		DATE			
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		ECO LOGES SINGLE BED FOUNDATION LAYOUT PLAN & PLINTH BEAM LAYOUT PLAN & SECTION DETAIL		STR-4201		SCALE:		SHEET:							
												A3									



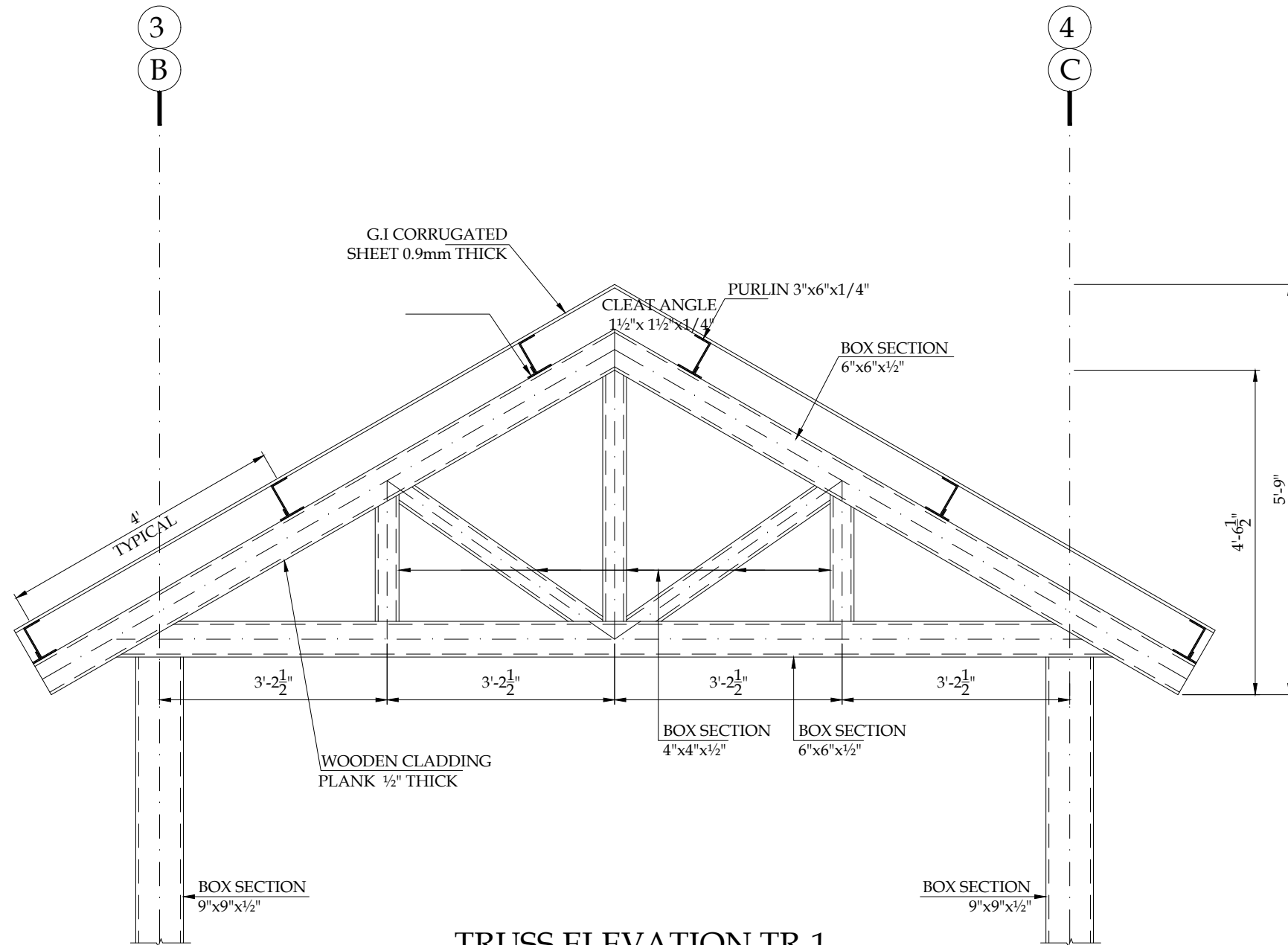
CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		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		ECO LOGES SINGLE BED FOUNDATION SECTION DETAILS		STR-4202 SCALE: SHEET: A3					



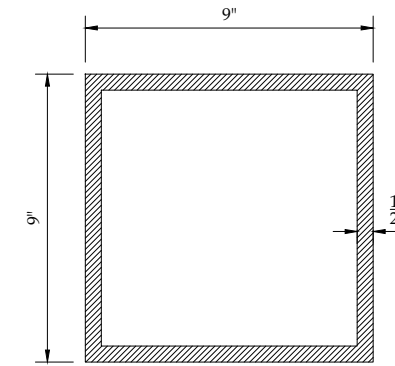
TRUSS ROOF FRAMING PLAN

SCALE:- 3/16" = 1'-0"

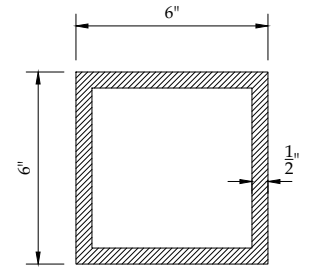
CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		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		ECO LOGES SINGLE BED TRUSS ROOF FRAMING PLAN		STR-4203 SCALE: SHEET: A3					



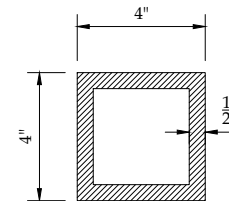
TRUSS ELEVATION TR-1
SCALE:- 1/2" = 1'-0"



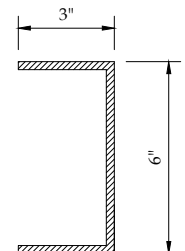
BOX SECTION
9"x9"x1/2"
SCALE:- 1" = 4"



BOX SECTION
6"x6"x1/2"
SCALE:- 1" = 4"



BOX SECTION
4"x4"x1/2"
SCALE:- 1" = 4"



PURLIN
3"x6"x1/4"
SCALE:- 1" = 4"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		ECO LOGES SINGLE BED TRUSS ELEVATION & SECTION DETAILS		STR-4204 SCALE: 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:

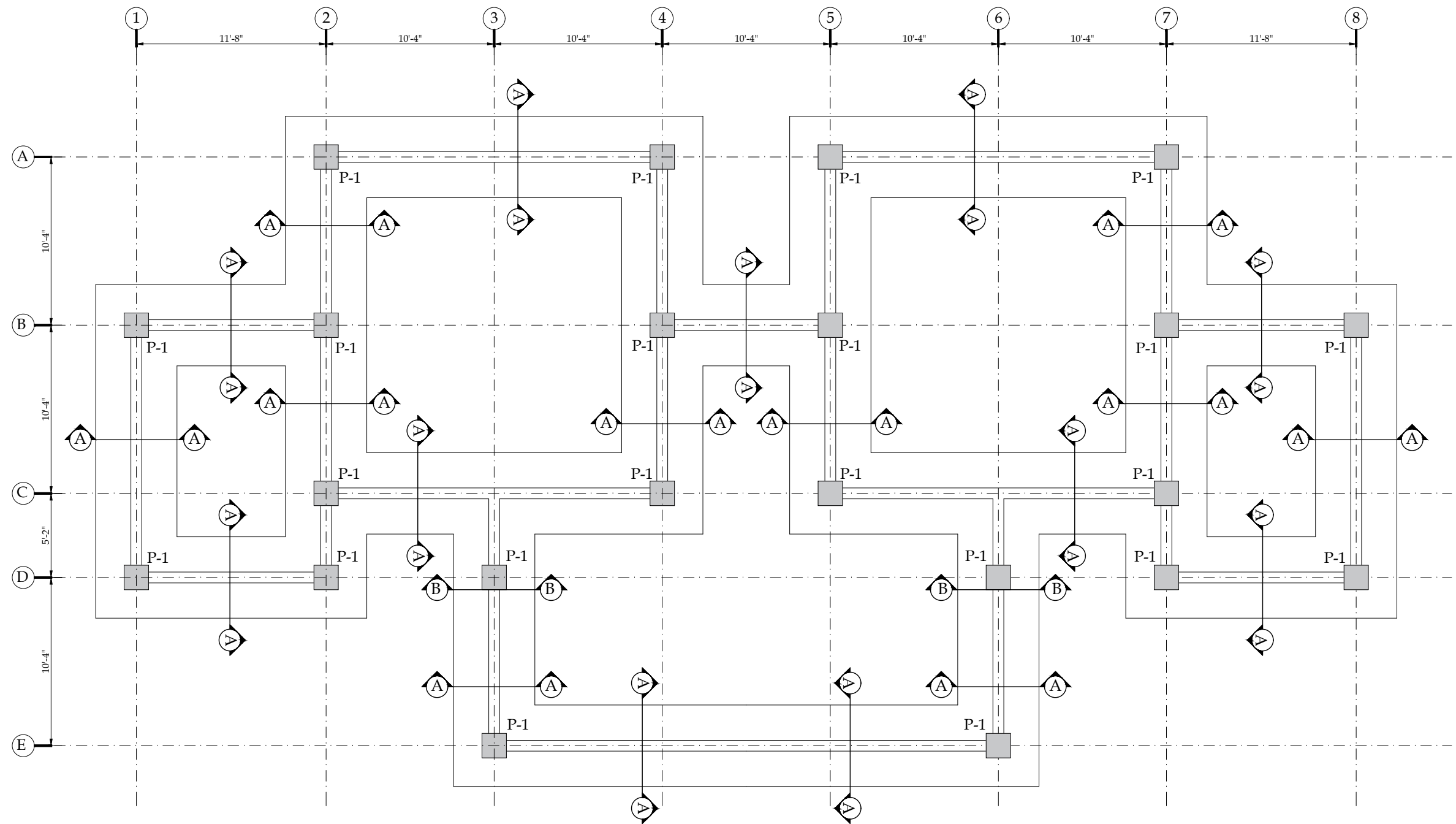


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

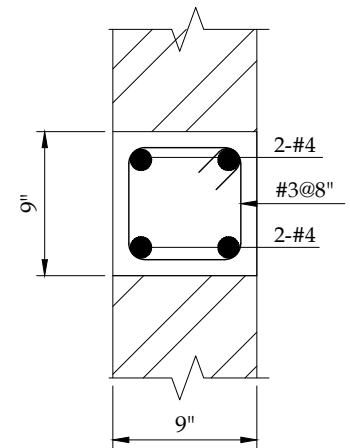
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

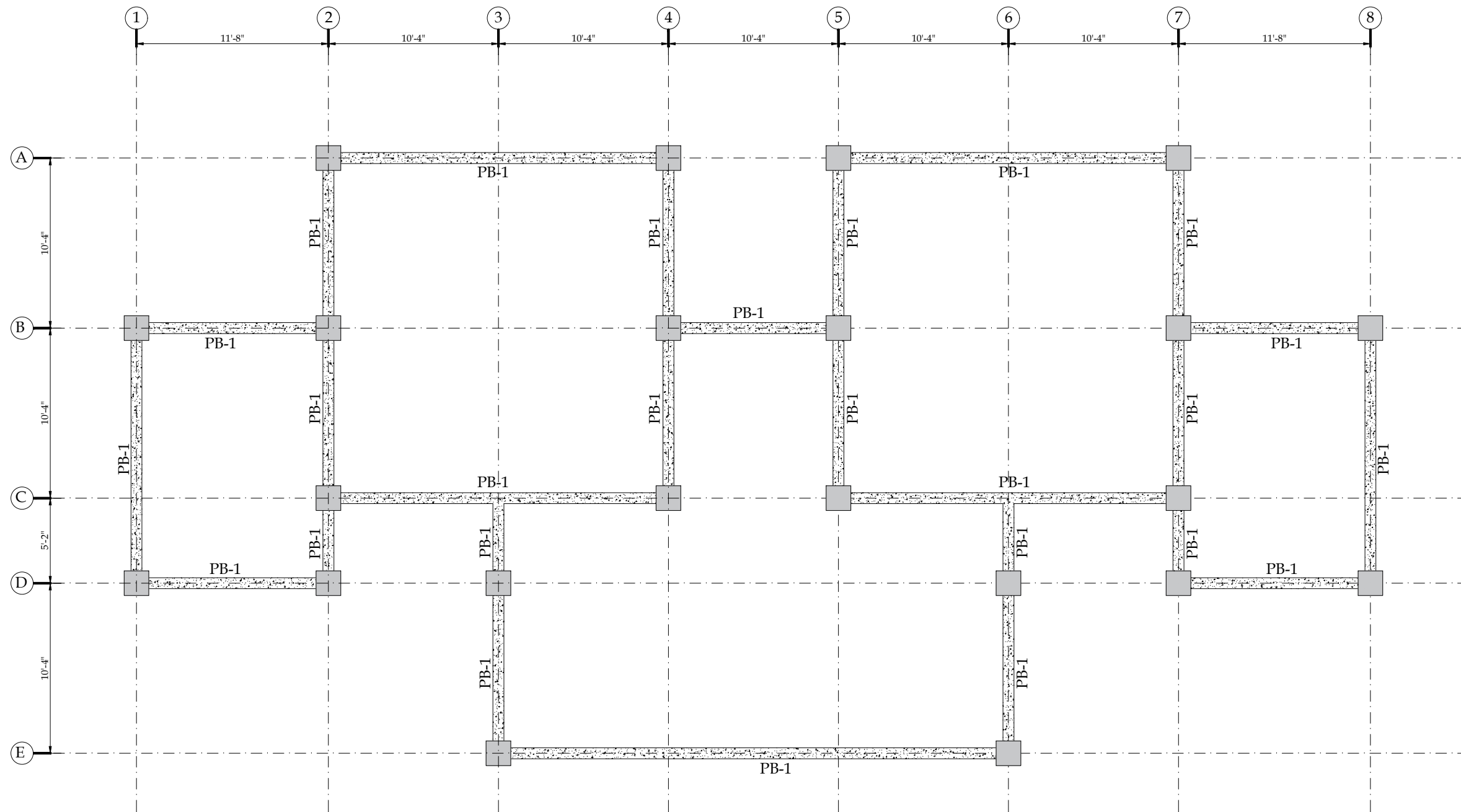


FOUNDATION LAYOUT PLAN
SCALE:- 3/16" = 1'-0"

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			ECO-LODGES DOUBLE BED FOUNDATION LAYOUT PLAN			STR-4301					
									M. ASAD ULLAH											
									NAVEED NAZ											
									SABIR HUSSAIN											
						MARCH, 2025														



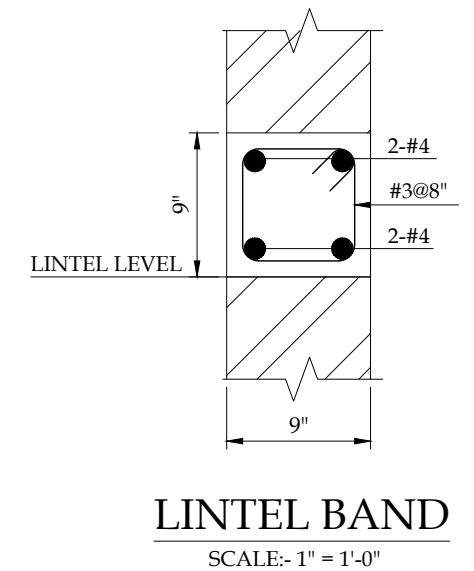
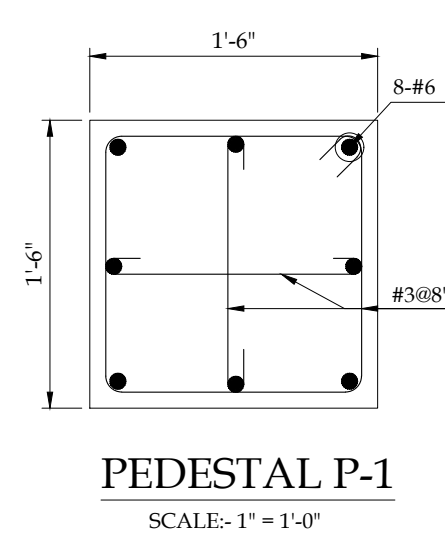
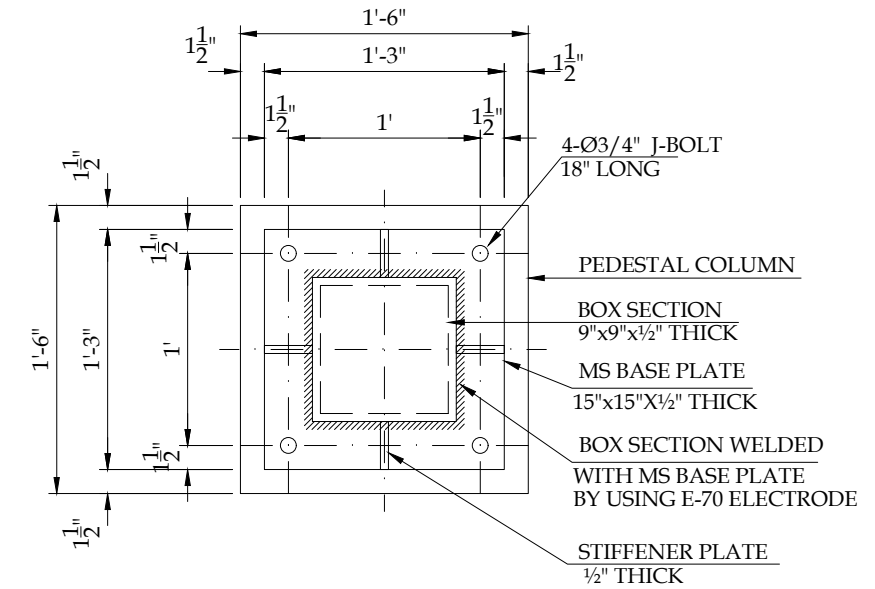
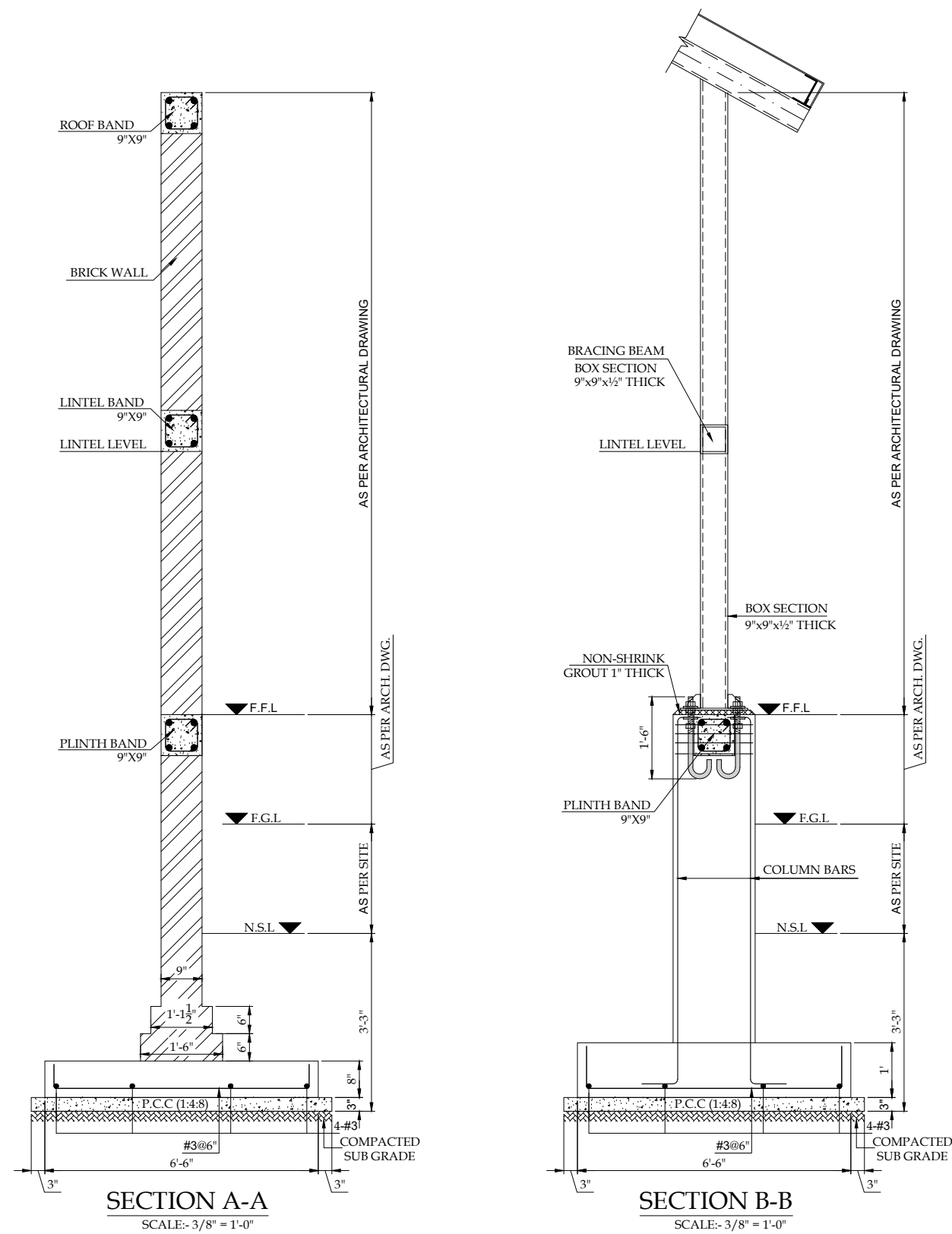
PLINTH
BAND PB1
SCALE:- 1" = 1'-0"



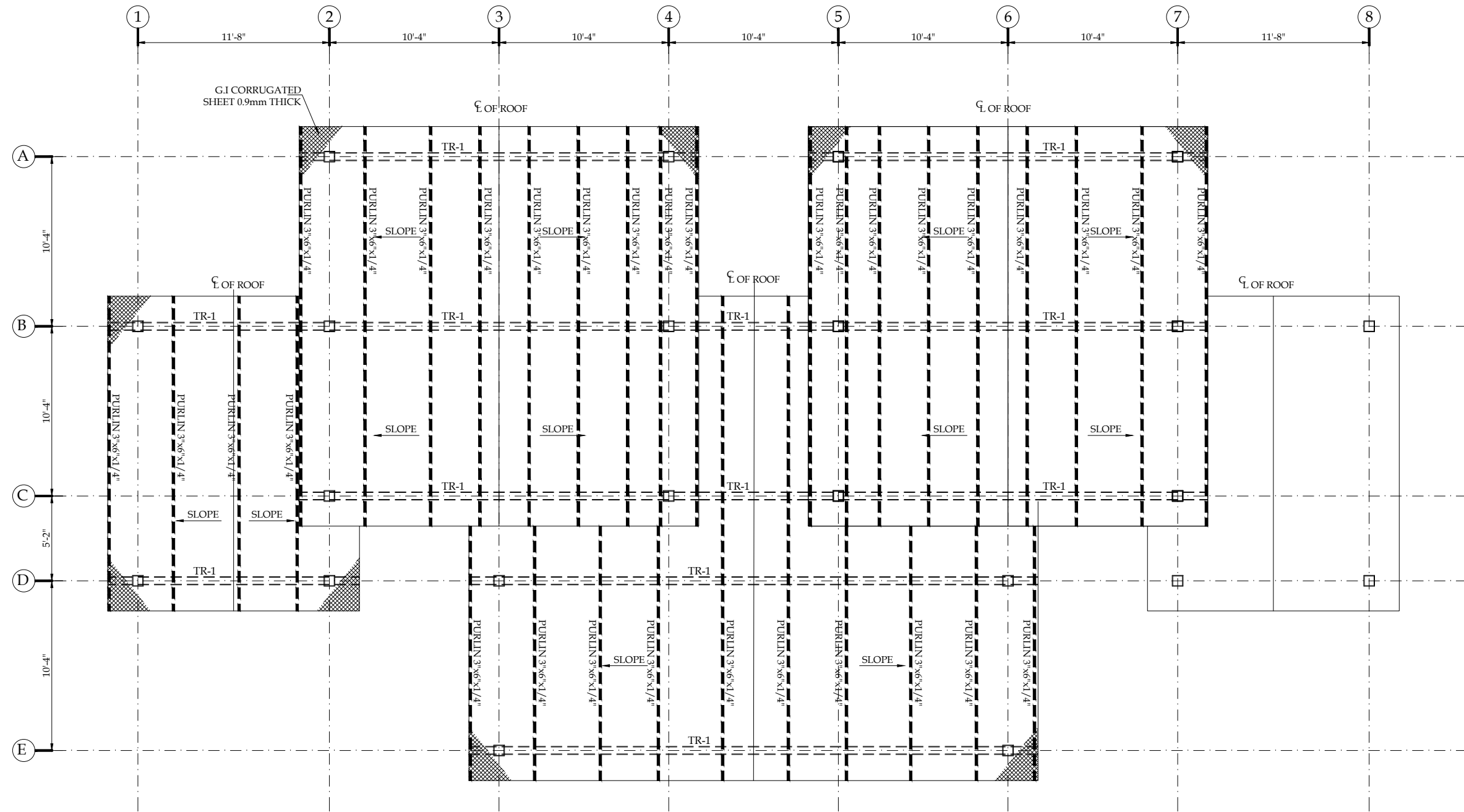
PLINTH BEAM LAYOUT PLAN

SCALE:- 3/16" = 1'-0"

CLIENT:  PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	CONSULTANTS:  ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). P-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: ECO-LODGE DOUBLE BED PLINTH BEAM LAYOUT PLAN & SECTION DETAIL	DRAWING NO: STR-4302		REV.	DESCRIPTION	SIGN.	DATE
					SCALE:	SHEET: A3				



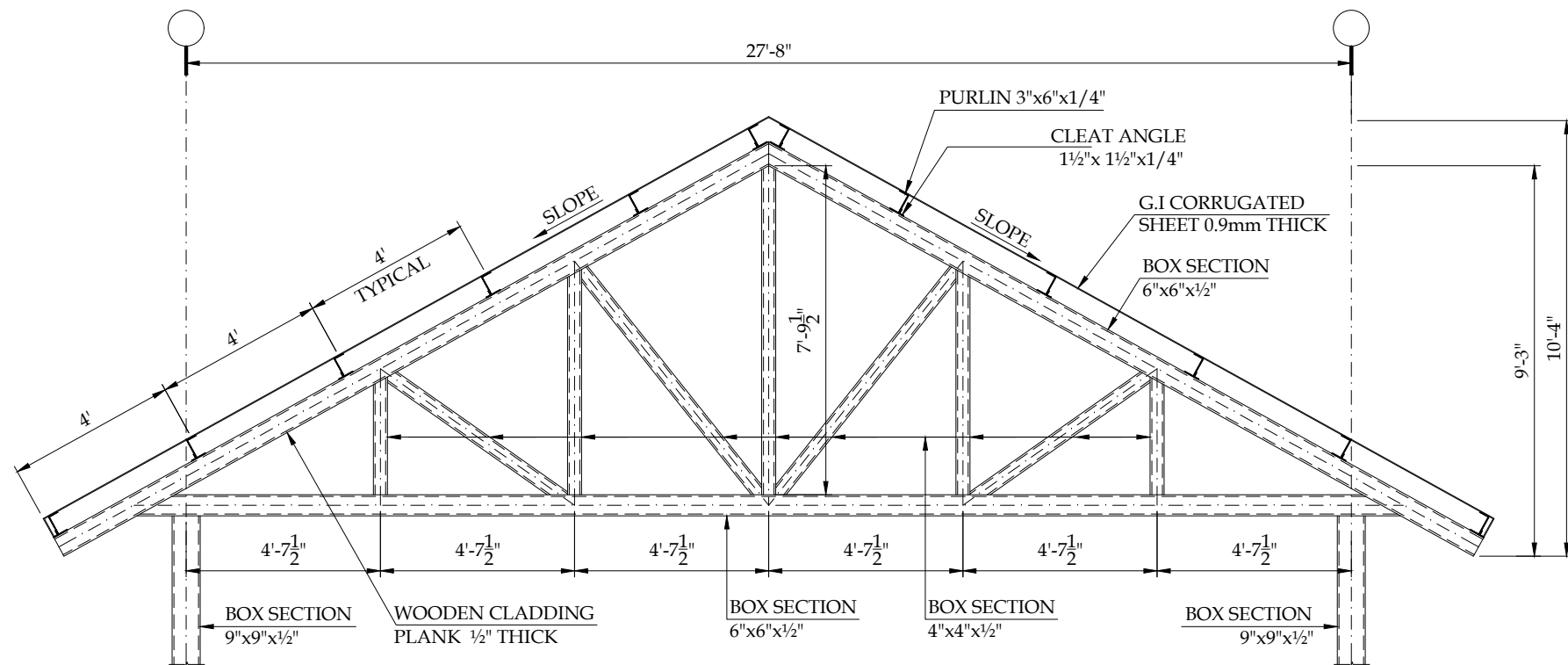
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 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		MASTER 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		ECO-LODGES DOUBLE BED FOUNDATION SECTION DETAILS		STR-4303					
								SCALE:	SHEET:						
									A3						



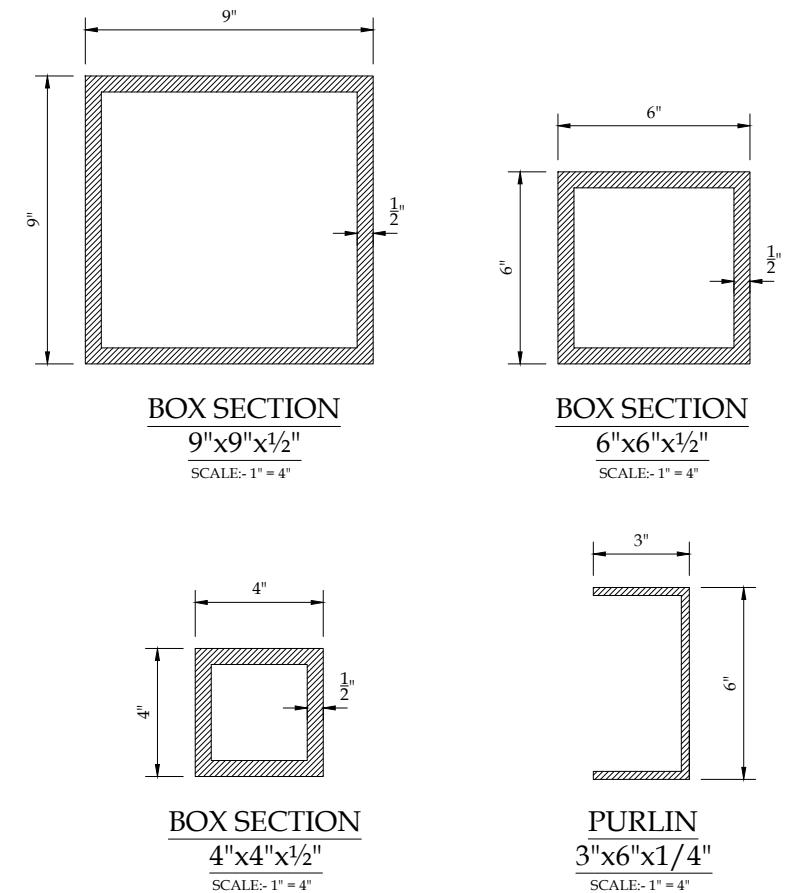
TRUSS ROOF FRAMING PLAN

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 DESIGNED BY: M. ASAD ULLAH CHECKED BY: NAVEED NAZ APPROVED BY: SABIR HUSSAIN DATE: MARCH, 2025	DRAWING TITLE: ECO-LODGES DOUBLE BED TRUSS ROOF FRAMING PLAN	DRAWING NO: STR-4303		REV.	DESCRIPTION	SIGN.	DATE
					SCALE:	SHEET: A3				



TRUSS ELEVATION TR-1
SCALE:- 1/4" = 1'-0"



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE		
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		ECO-LODGES DOUBLE BED TRUSS ELEVATION & SECTION DETAILS		STR-4204		SCALE:	SHEET: A3				

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:

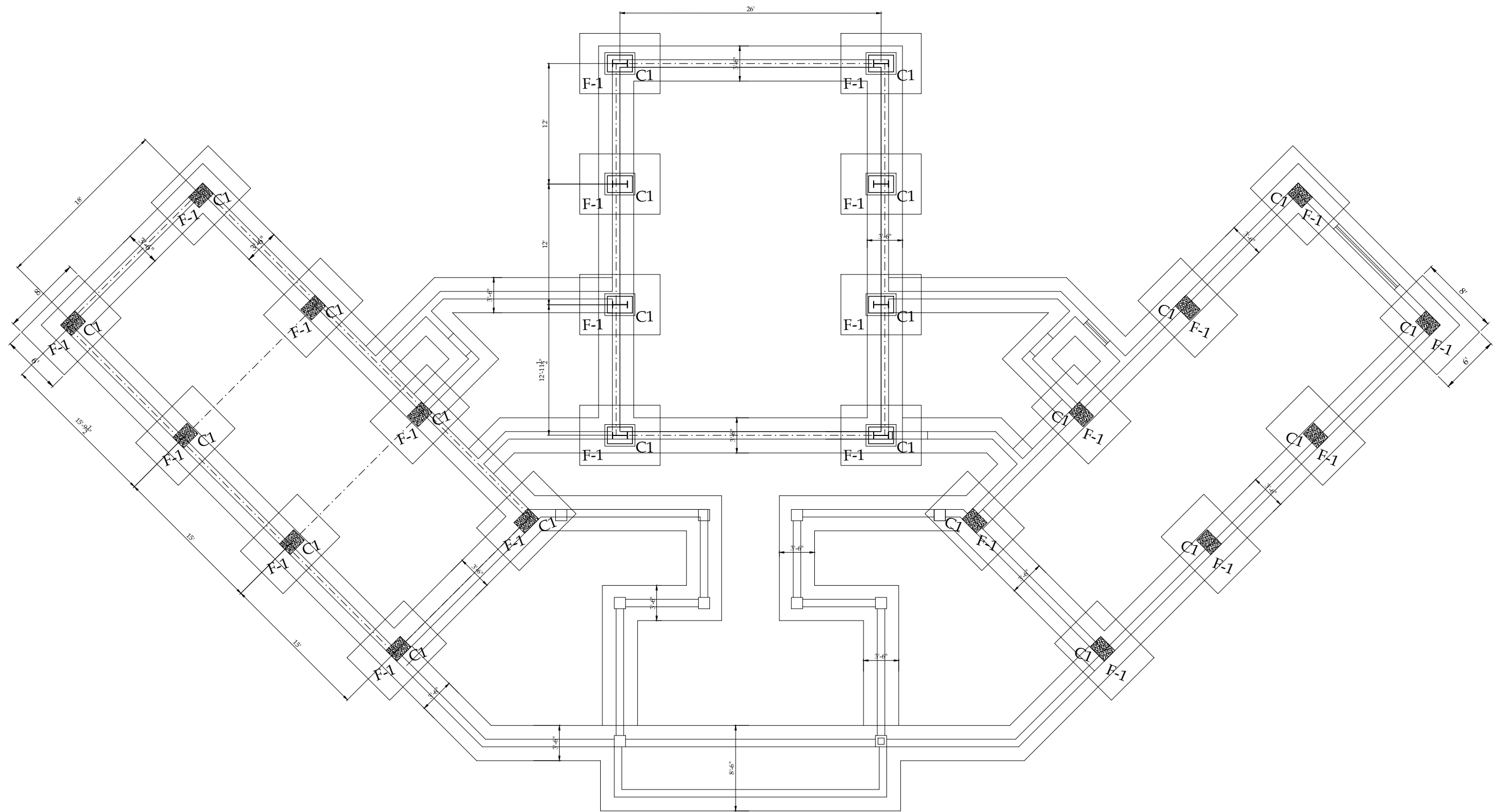


ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

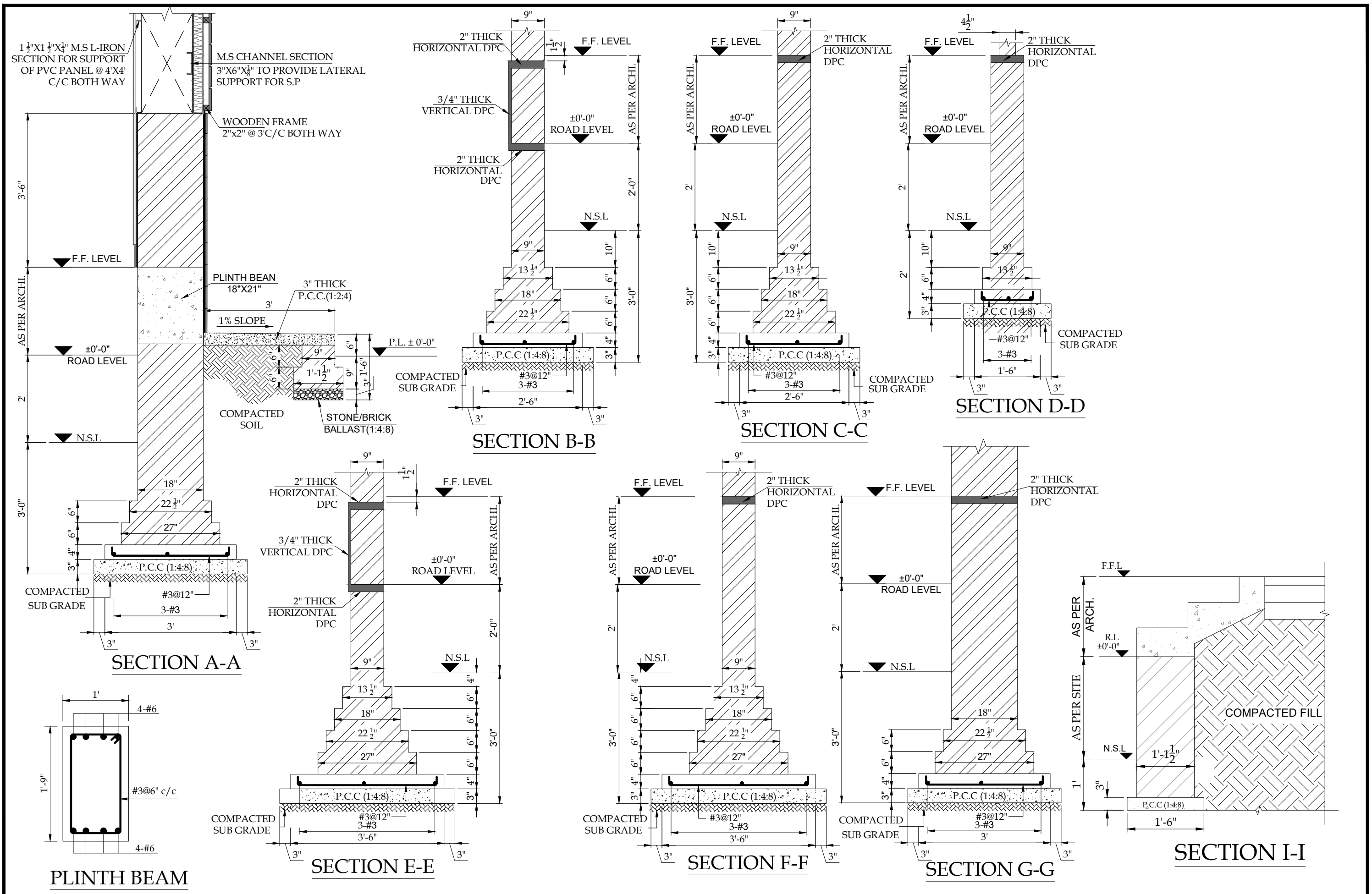
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

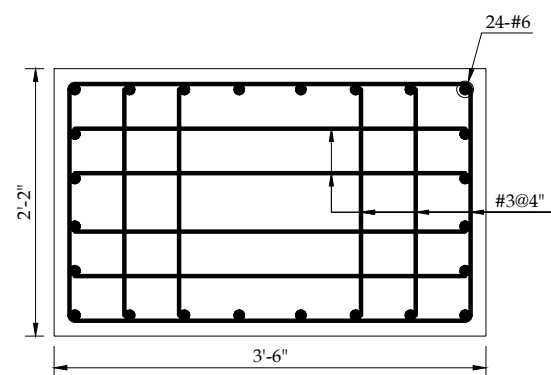
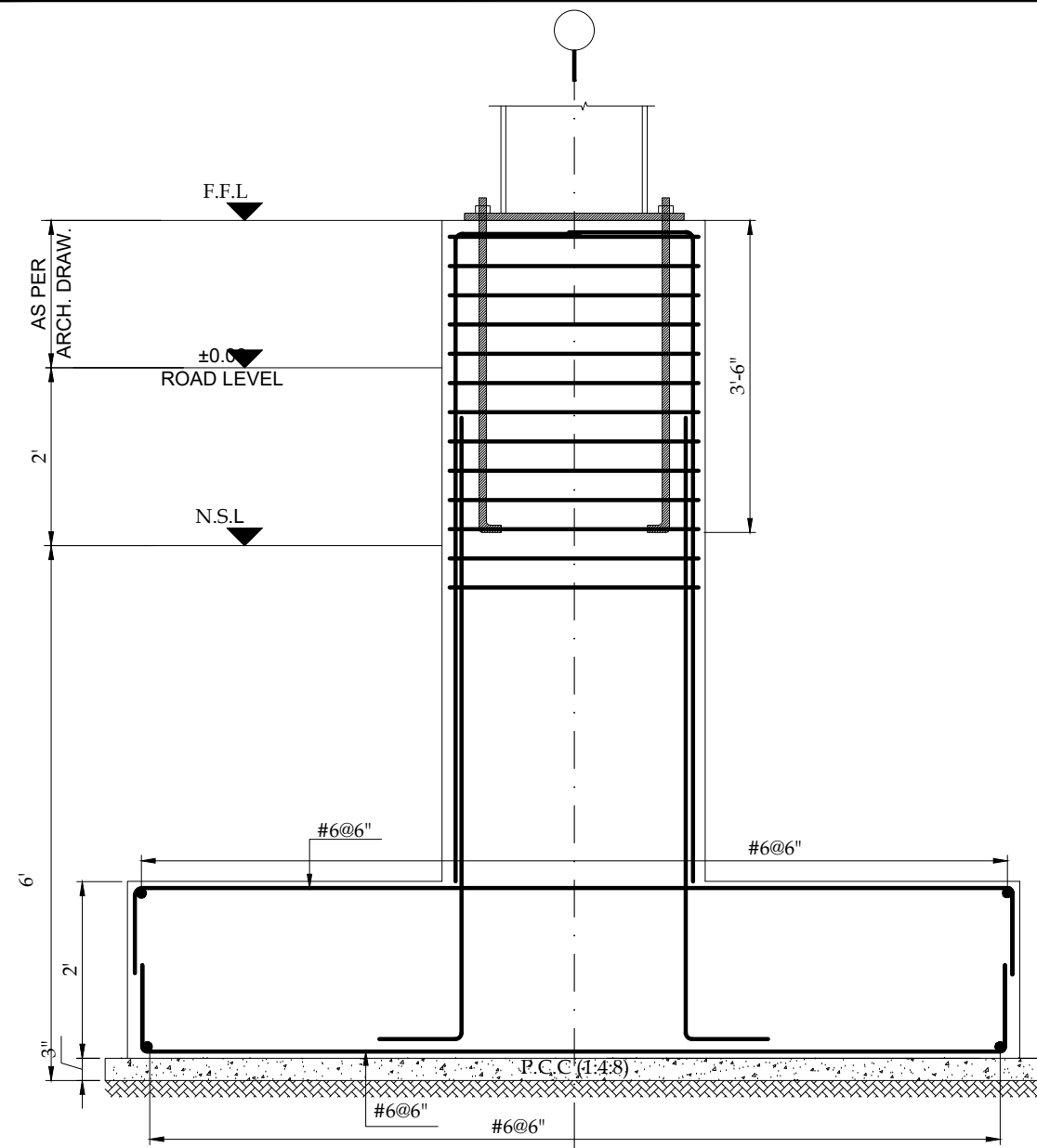


FOUNDATION LAYOUT PLAN

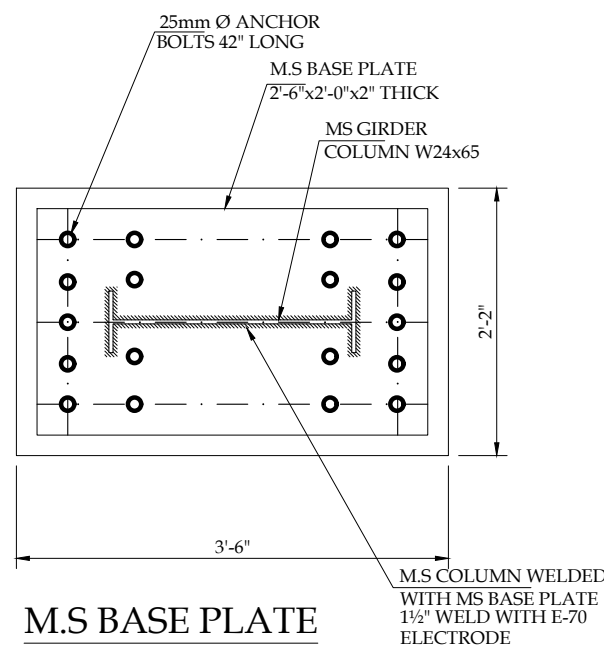
CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk		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		ECO TOURISM CLUB FOUNDATION LAYOUT PLAN		STR-4401		SCALE: SHEET: A3				



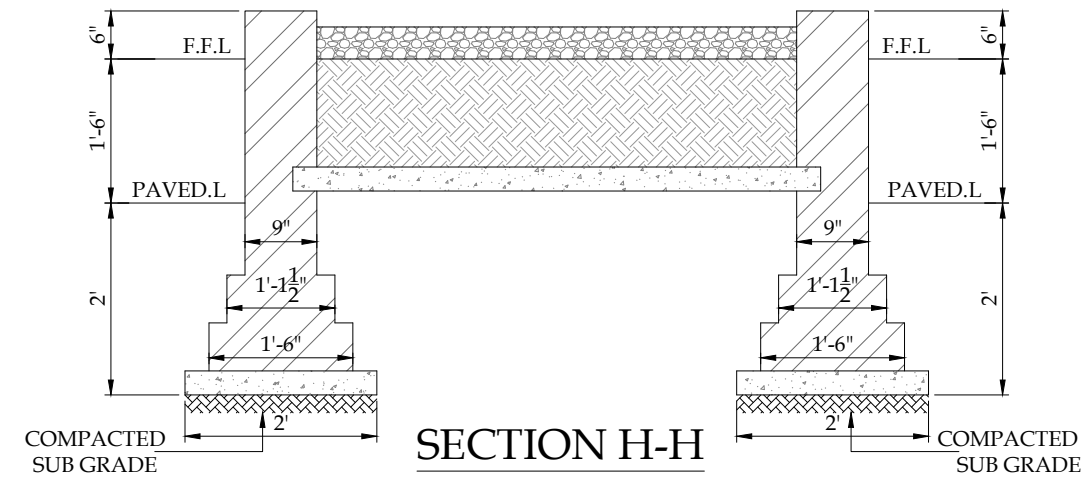
CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			ECO TOURISM CLUB FOUNDATION SECTION DETAILS			STR-4403					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
									DATE: MARCH, 2025											
												SCALE:		SHEET:						
														A3						



COLUMN C1

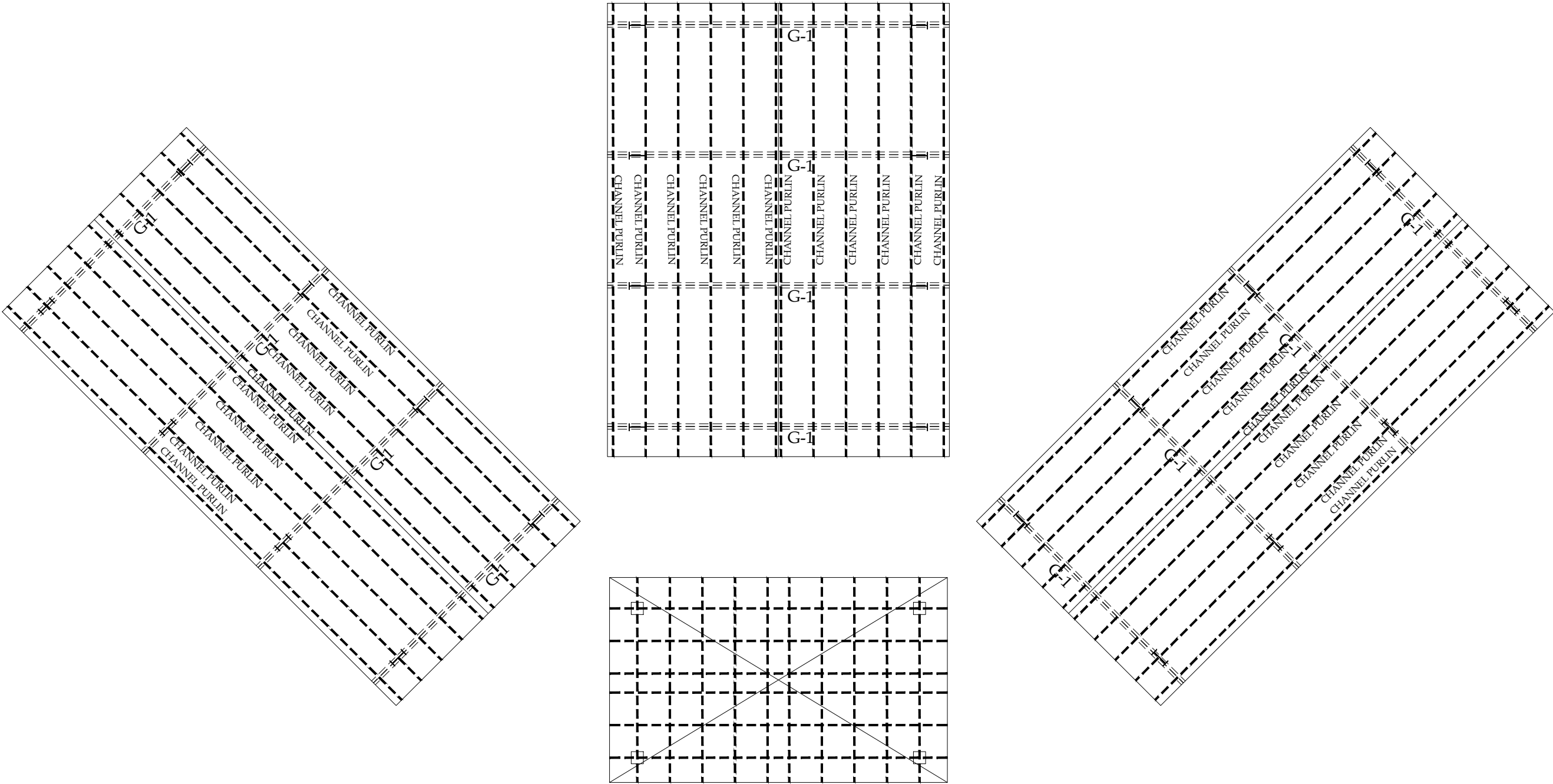


M.S. BASE PLATE FOR COLUMN C1



SECTION H-H

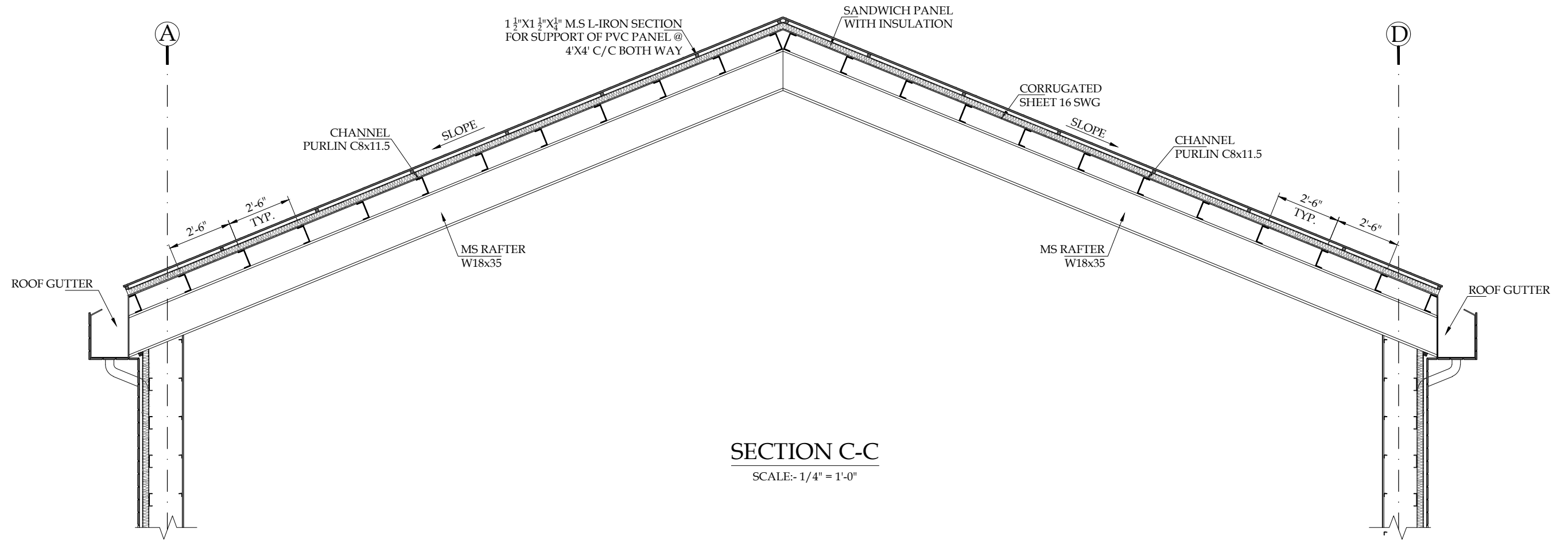
CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			ECO TOURISM CLUB COLUMN SECTION DETAILS			STR-4403					
									DESIGNED BY: M. ASAD ULLAH											
									CHECKED BY: NAVEED NAZ											
									APPROVED BY: SABIR HUSSAIN											
						DATE: MARCH, 2025														
												SCALE: SHEET:								
												A3								



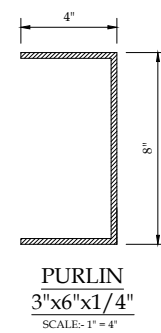
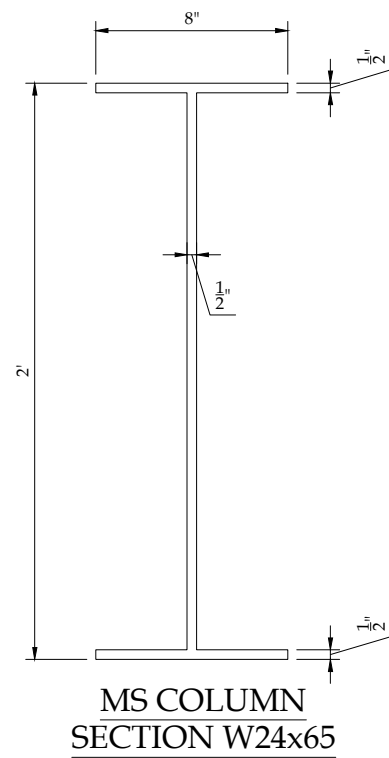
ROOF FRAMING PLAN

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	DESIGNED BY: M. ASAD ULLAH	CHECKED BY: NAVEED NAZ	APPROVED BY: SABIR HUSSAIN	DATE: MARCH, 2025	DRAWING TITLE: ECO TOURISM CLUB	DRAWING NO: STR-4404	SCALE: A3	SHEET: A3	REV.	DESCRIPTION	SIGN.	DATE



SECTION C-C
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 DESIGNED BY: M. ASAD ULLAH CHECKED BY: NAVEED NAZ APPROVED BY: SABIR HUSSAIN DATE: MARCH, 2025	DRAWING TITLE: ECO TOURISM CLUB TRUSS ELEVATION & SECTION DETAILS	DRAWING NO: STR-4405 SCALE: 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

GLAMPING POD SINGLE BED

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

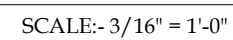


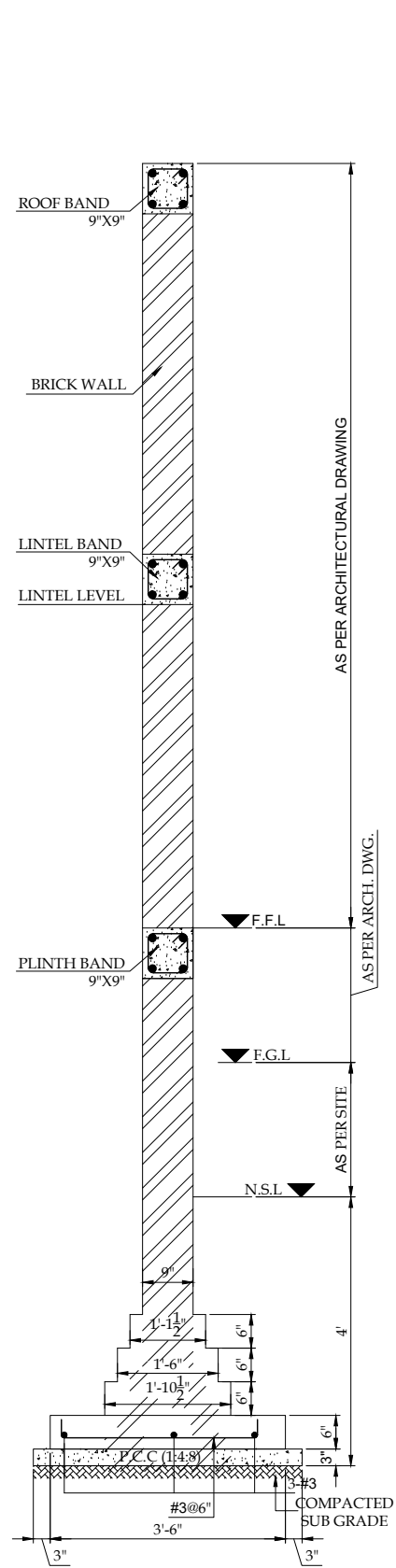
ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

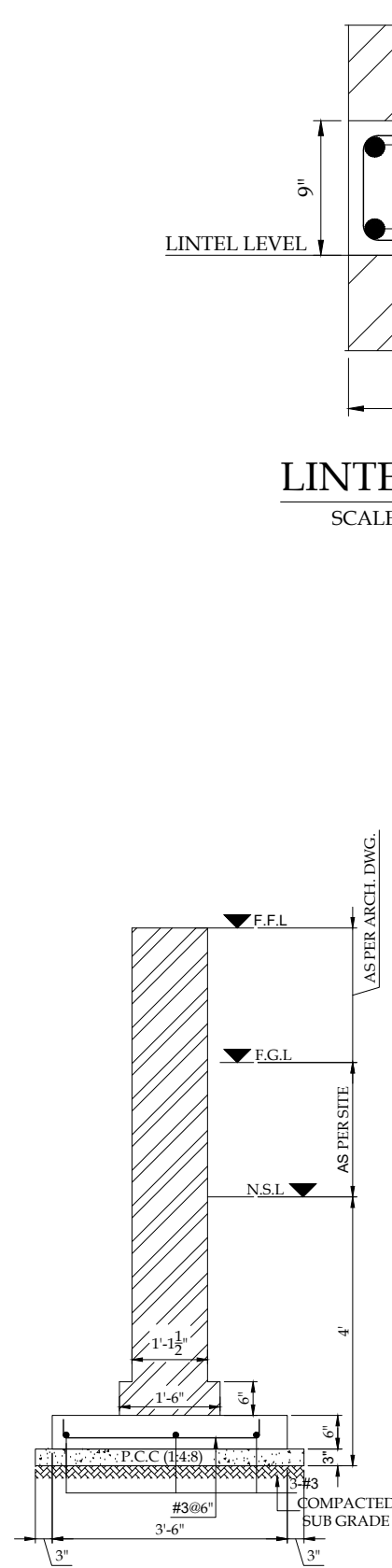
+92-42-99333976, +92-42-5717681-4

info@ecsp.com.pk www.ecsp.com.pk

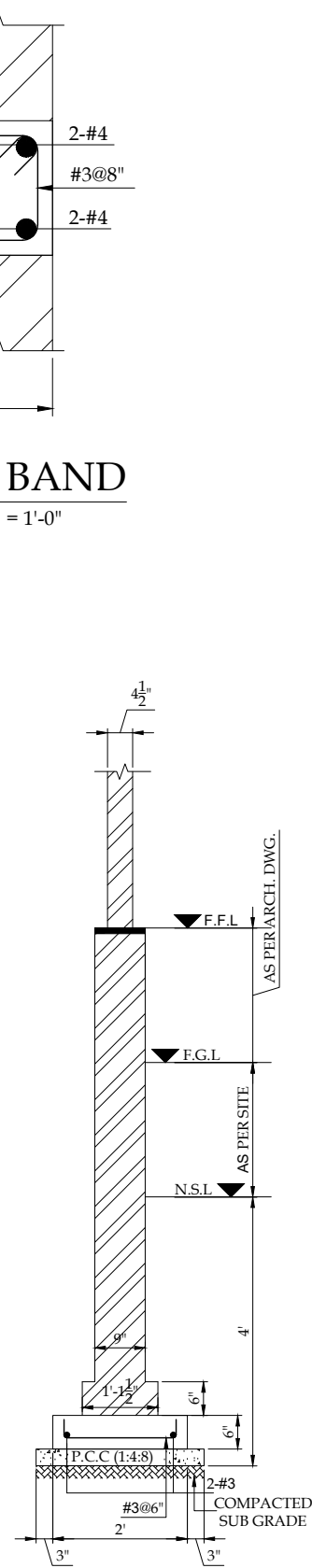




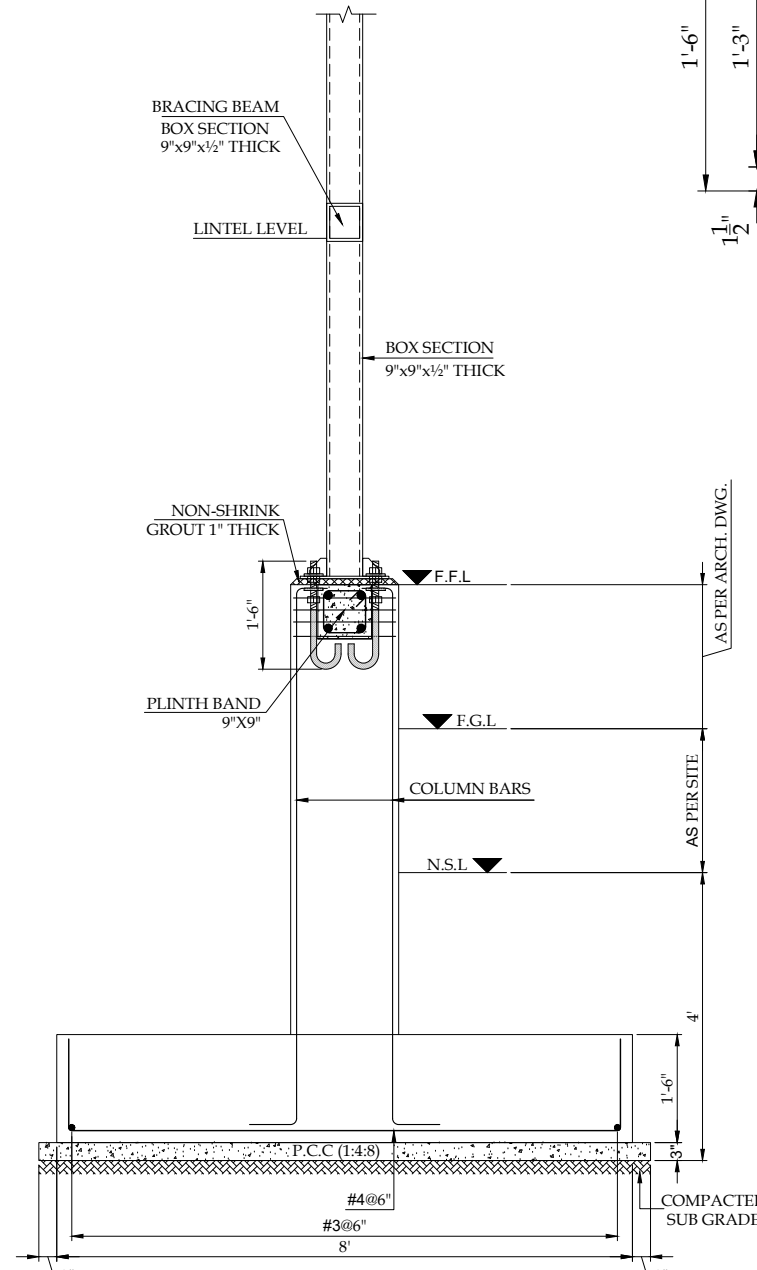
SECTION A-A
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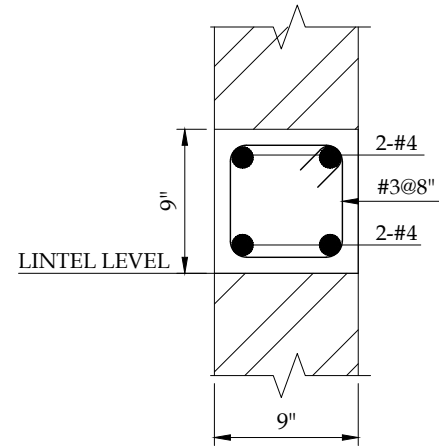
SECTION B-B
SCALE:- 3/8" = 1'-0"



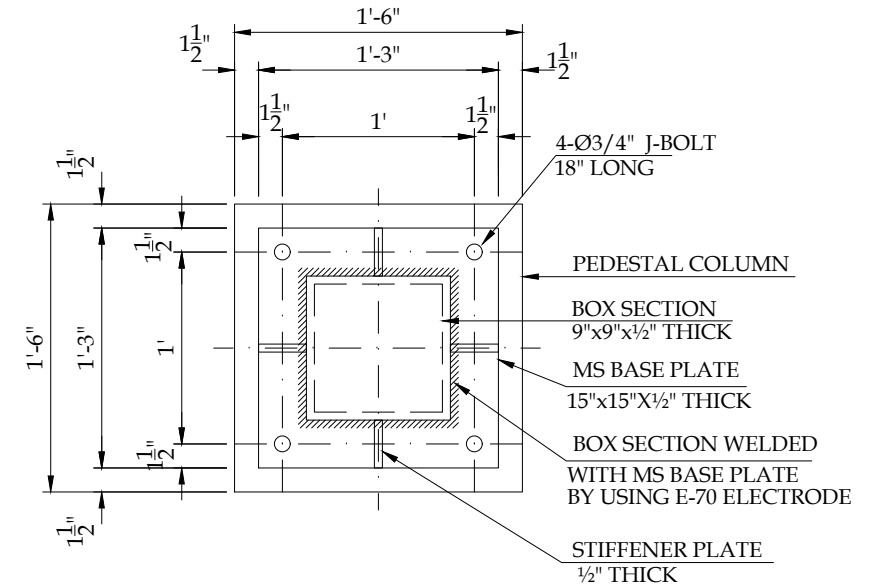
SECTION C-C
SCALE:- 3/8" = 1'-0"



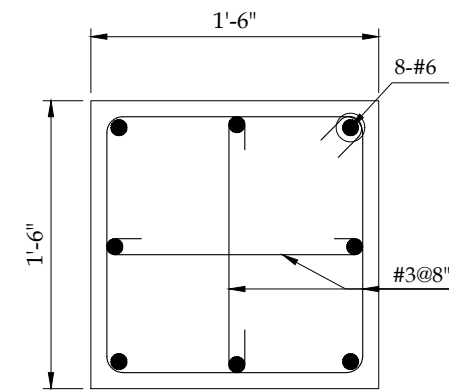
SECTION FOOTING F-1
SCALE:- 3/8" = 1'-0"



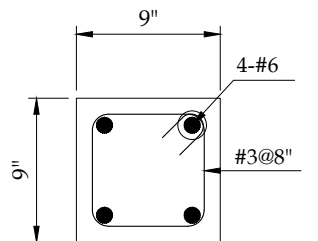
LINTEL BAND
SCALE:- 1" = 1'-0"



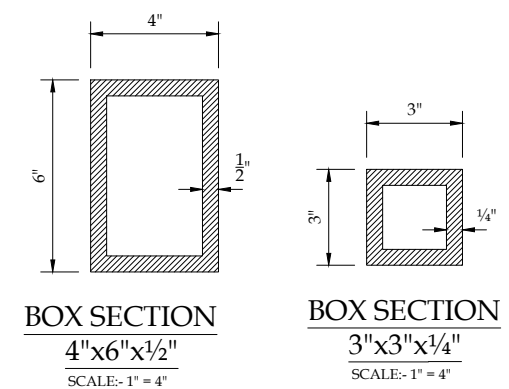
MS BASE PLATE DETAIL
SCALE:- 1" = 1'-0"



PEDESTAL P-1
SCALE:- 1" = 1'-0"



COLUMN C-1
SCALE:- 1" = 1'-0"



SCALE:- $3/16'' = 1'-0''$

CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE	
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN		GLAMPING POD SINGLE BED		STR-4303						
									M. ASAD ULLAH		MS ROOF FRAMING PLAN & SECTION DETAILS								
									NAVEED NAZ				SCALE:	SHEET: A3					
									SABIR HUSSAIN										
									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:

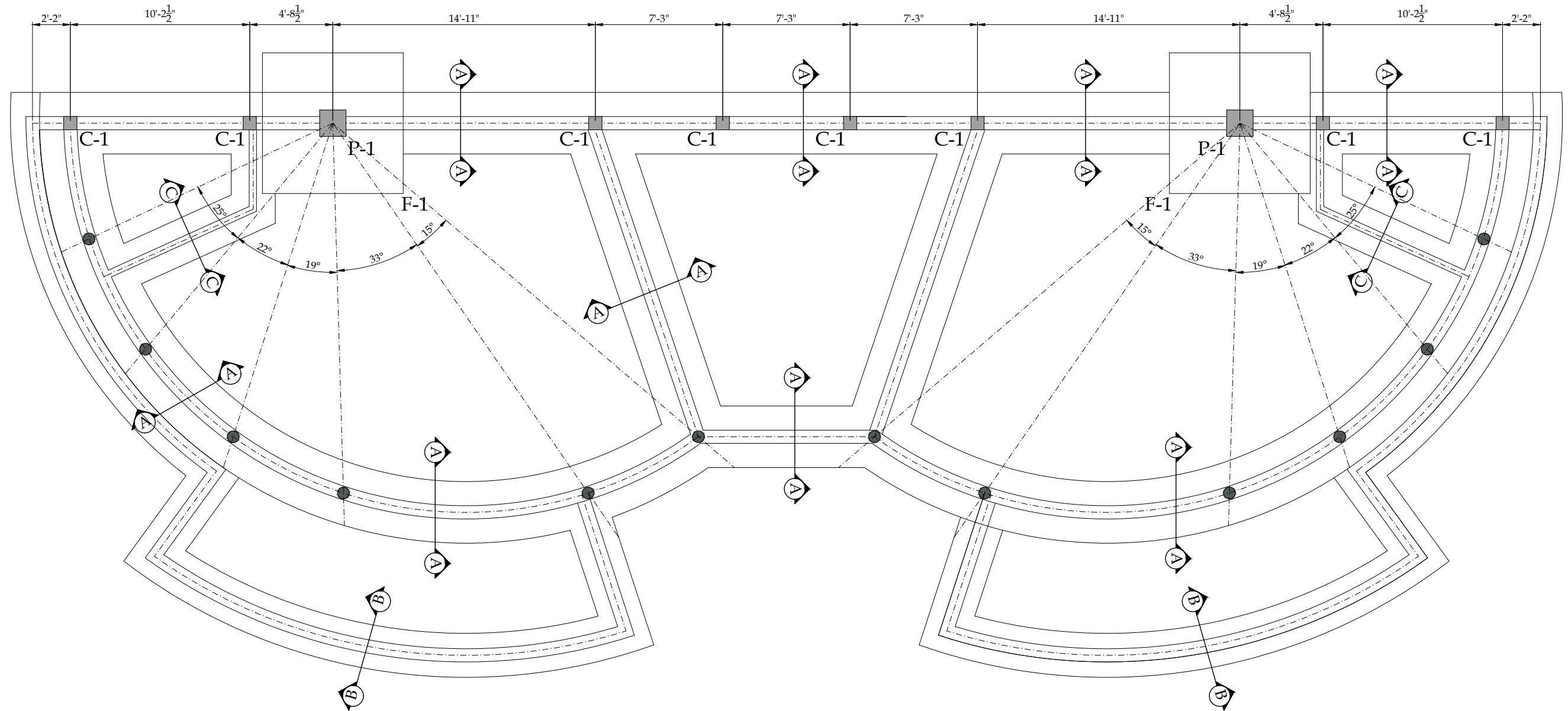


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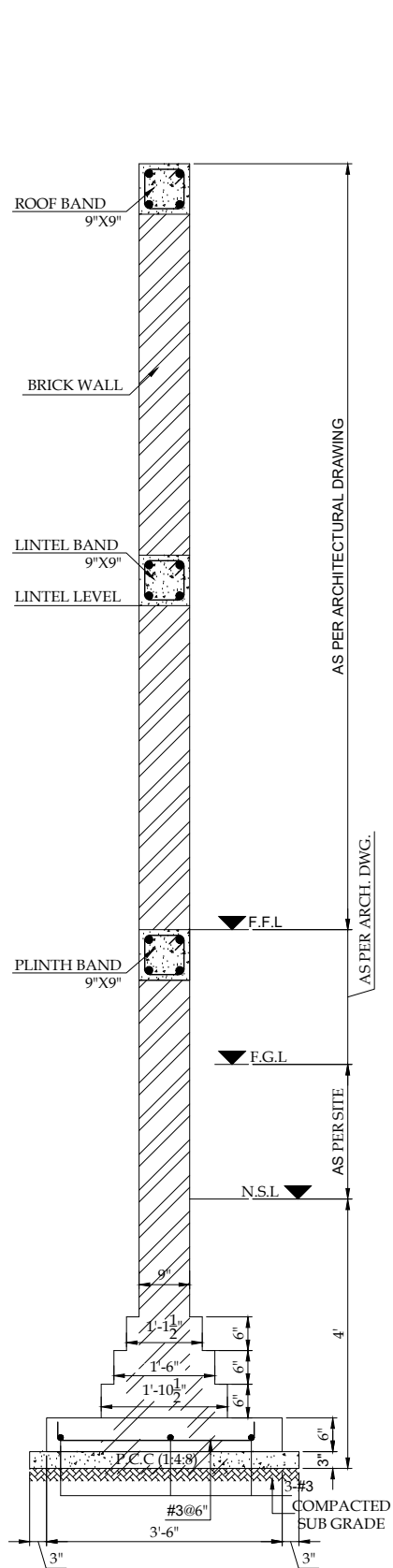
info@ecsp.com.pk www.ecsp.com.pk



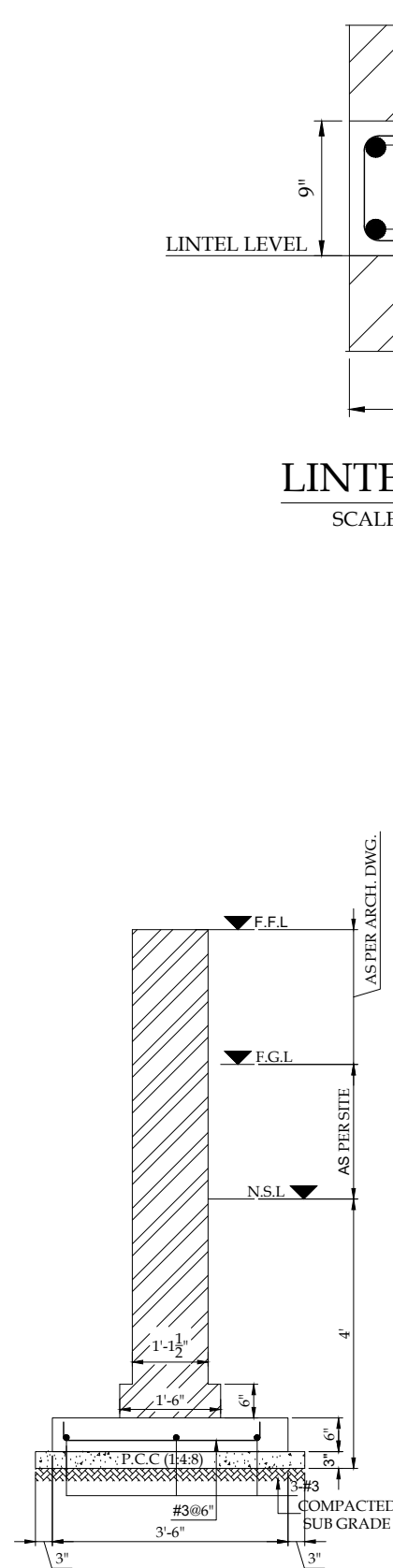
FOUNDATION LAYOUT PLAN

SCALE:- 3/16" = 1'-0"

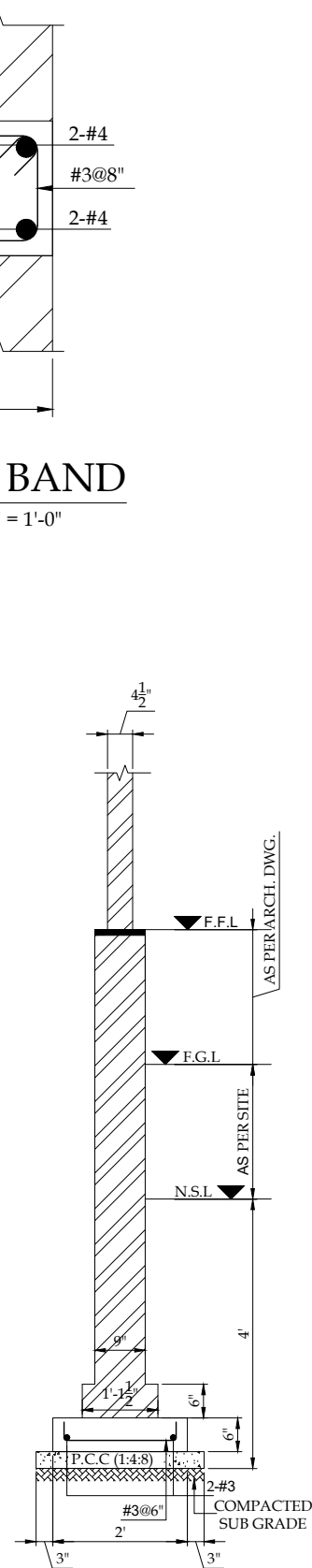
CLIENT:  PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB	CONSULTANTS:  ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LTD (ECSP). 83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan. +92-42-99333976, +92-42-5717681-4 info@ecsp.com.pk www.ecsp.com.pk	PROJECT: MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB	DRAWN BY: M.ADNAN DESIGNED BY: M. ASAD ULLAH CHECKED BY: NAVEED NAZ APPROVED BY: SABIR HUSSAIN DATE: MARCH, 2025	DRAWING TITLE: GLAMPING POD DOUBLE BED FOUNDATION LAYOUT PLAN	DRAWING NO: STR-4801 SCALE: SHEET: A3	REV.	DESCRIPTION	SIGN.	DATE



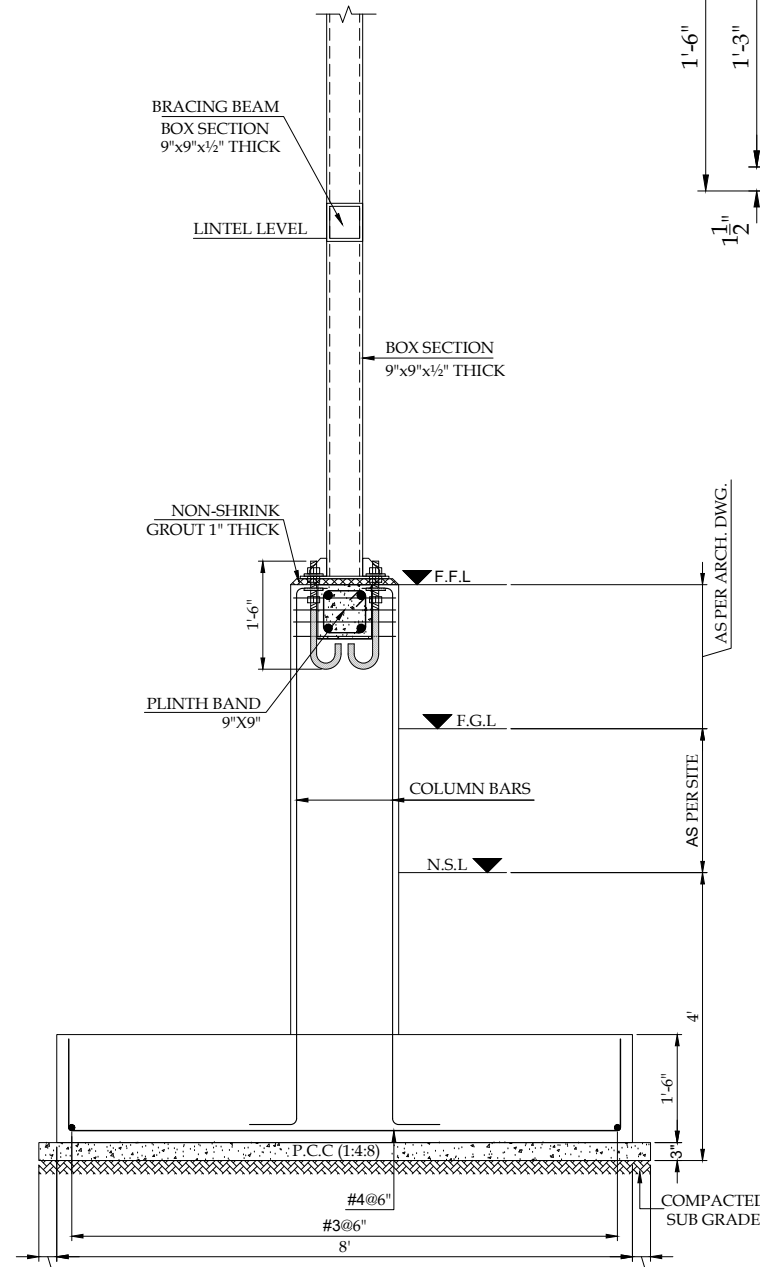
SECTION A-A
SCALE:- 3/8" = 1'-0"



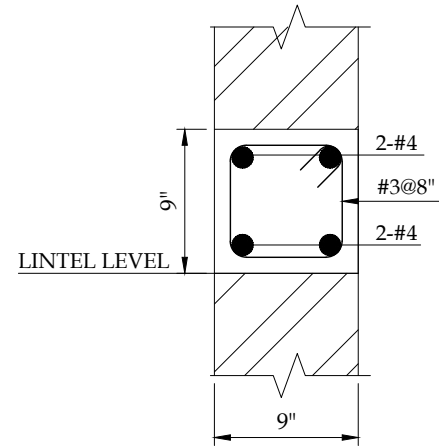
SECTION B-B
SCALE:- 3/8" = 1'-0"



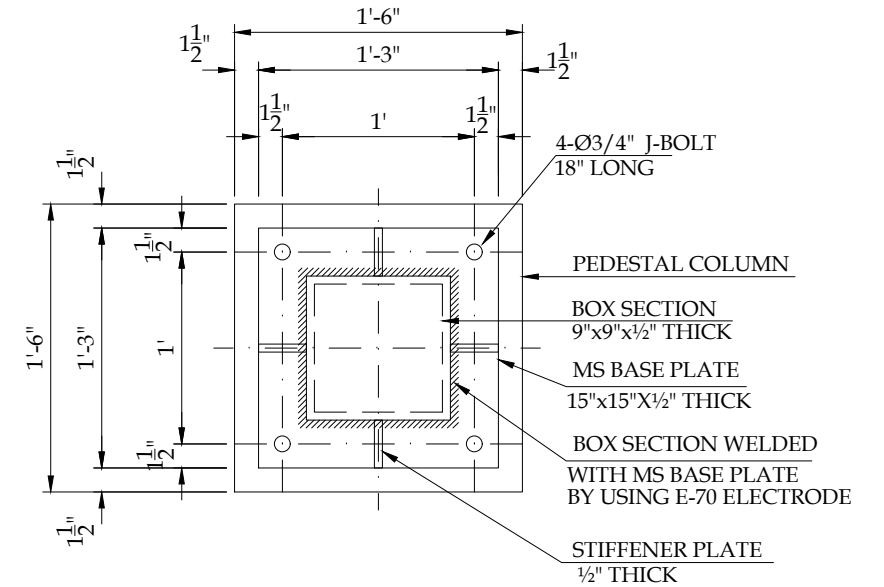
SECTION C-C
SCALE:- 3/8" = 1'-0"



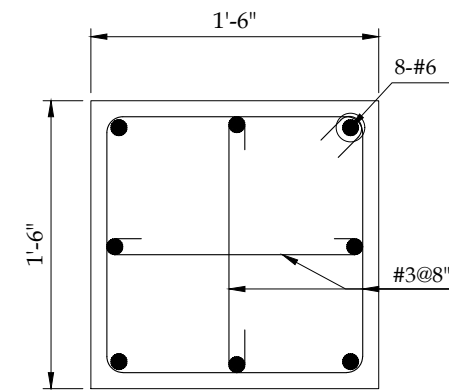
SECTION FOOTING F-1
SCALE:- 3/8" = 1'-0"



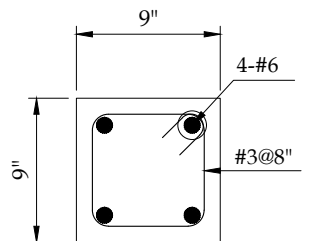
LINTEL BAND
SCALE:- 1" = 1'-0"



MS BASE PLATE DETAIL
SCALE:- 1" = 1'-0"

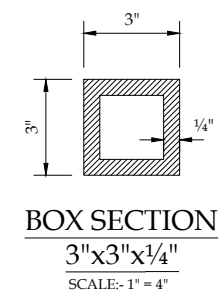
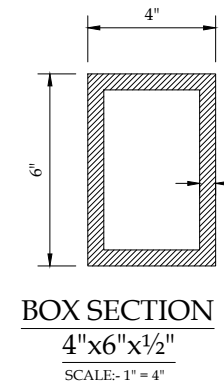
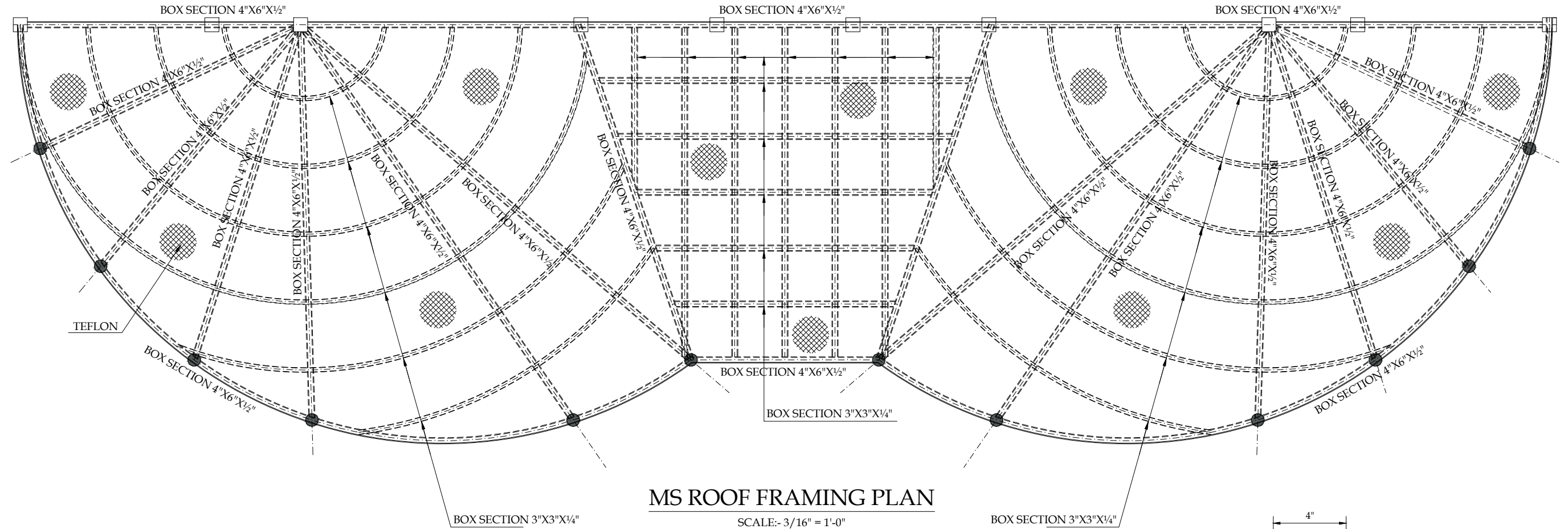


PEDESTAL P-1
SCALE:- 1" = 1'-0"



COLUMN C-1
SCALE:- 1" = 1'-0"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		GLAMPING POD DOUBLE BED FOUNDATION SECTION DETAILS		STR-4802					
										SCALE:	SHEET:				
											A3				



CLIENT:			CONSULTANTS:			PROJECT:			DRAWN BY:			DRAWING TITLE:			DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 			 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			MASTER PLANNING AND IMPLEMENTATION FOR ECO-TOURISM AT CHANGA MANGA AND WETLANDS IN PUNJAB			M.ADNAN			GLAMPING POD DOUBLE BED MS ROOF FRAMING PLAN & SECTION DETAILS			STR-4803					
									M. ASAD ULLAH											
									NAVEED NAZ											
									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

ADMIN BLOCK

CLIENT:



PUNJAB WILDLIFE & PARK
DEPARTMENT
GOVERNMENT OF THE PUNJAB



CONSULTANTS:

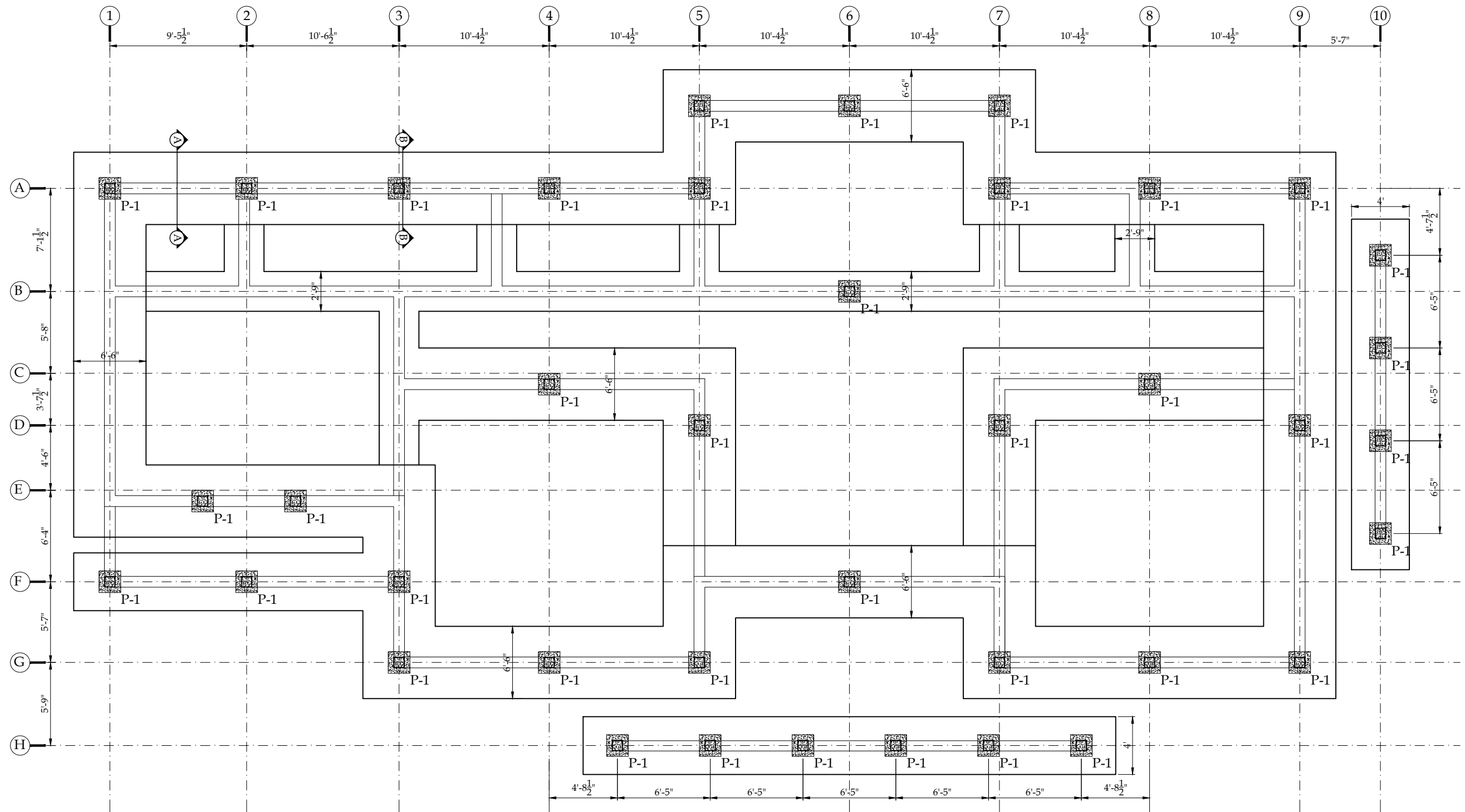


ENGINEERING CONSULTANCY SERVICES
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info@ecsp.com.pk www.ecsp.com.pk



FOUNDATION LAYOUT PLAN

SCALE:- 1/6" = 1'-0"

CLIENT:



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:

ADMIN BLOCK

FOUNDATION LAYOUT PLAN

DRAWING NO:

STR-4901

SCALE:

SHEET:

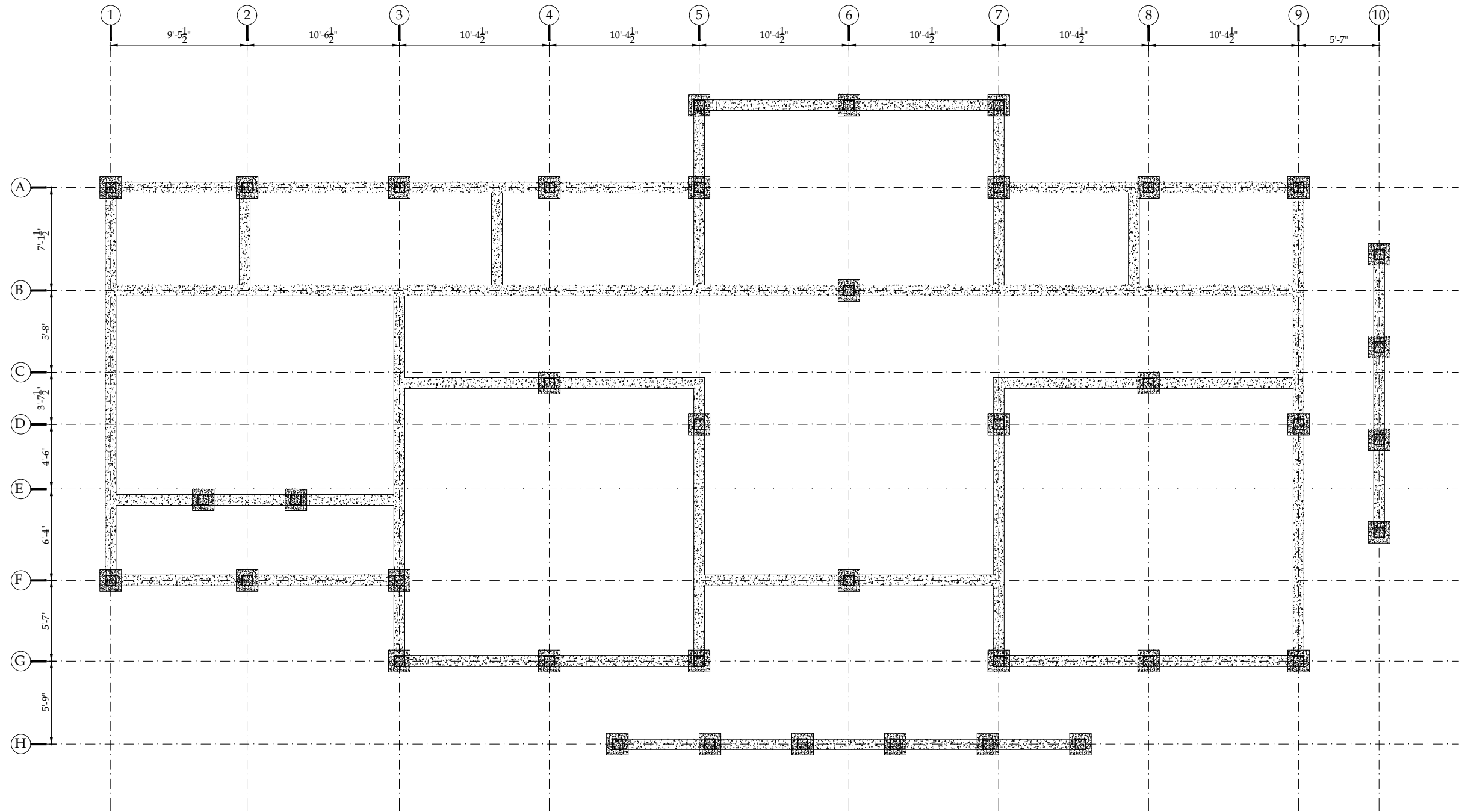
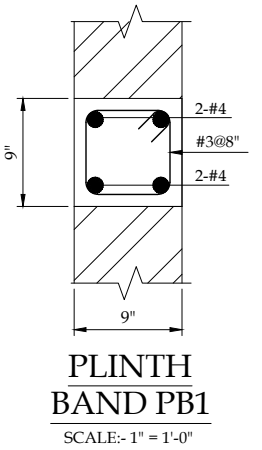
A3

REV.

DESCRIPTION

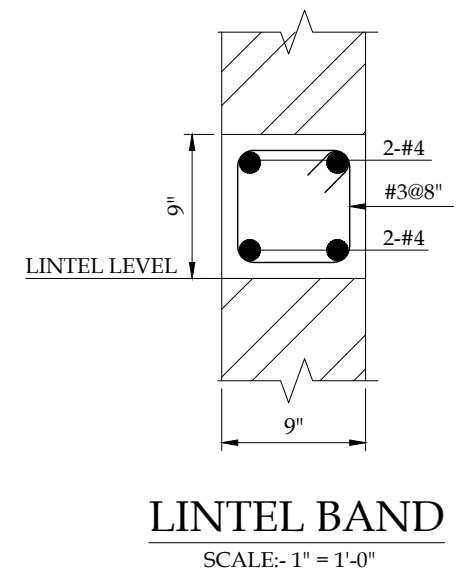
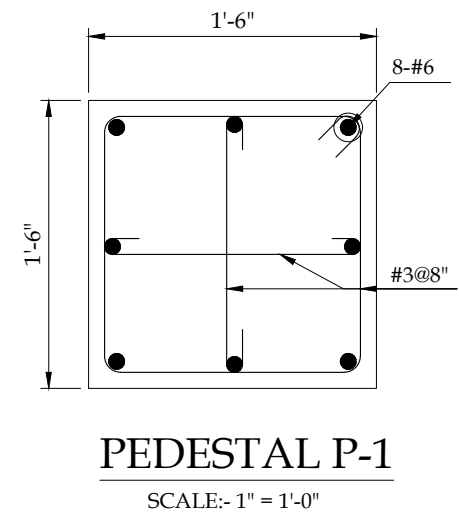
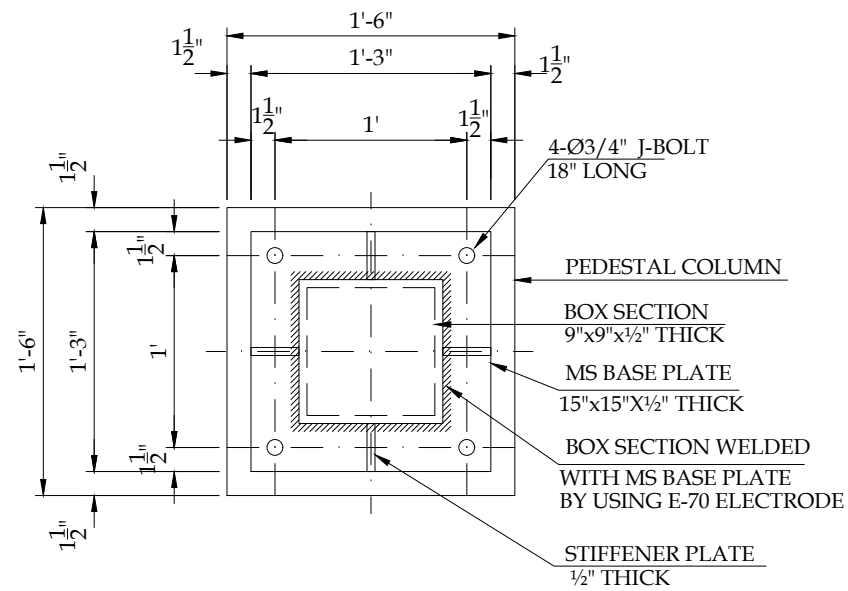
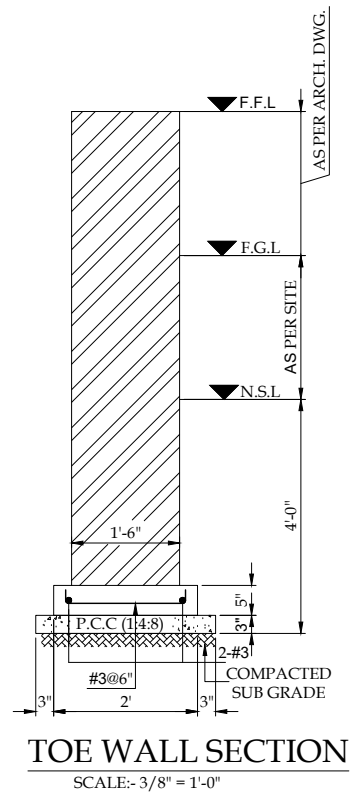
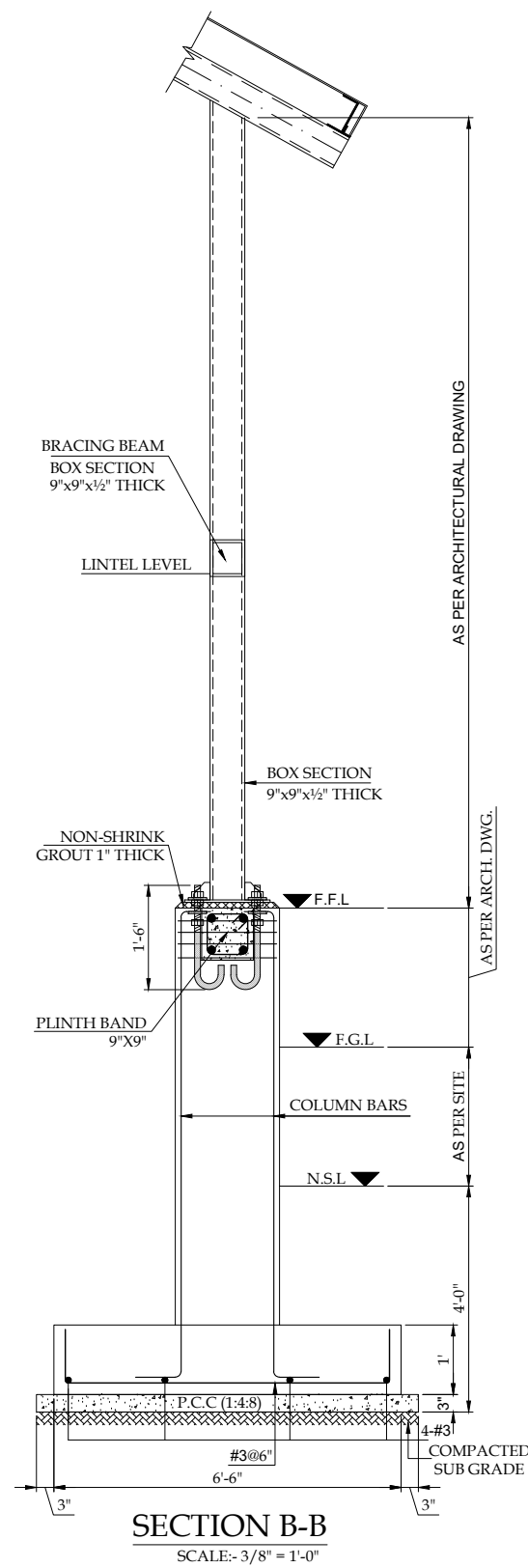
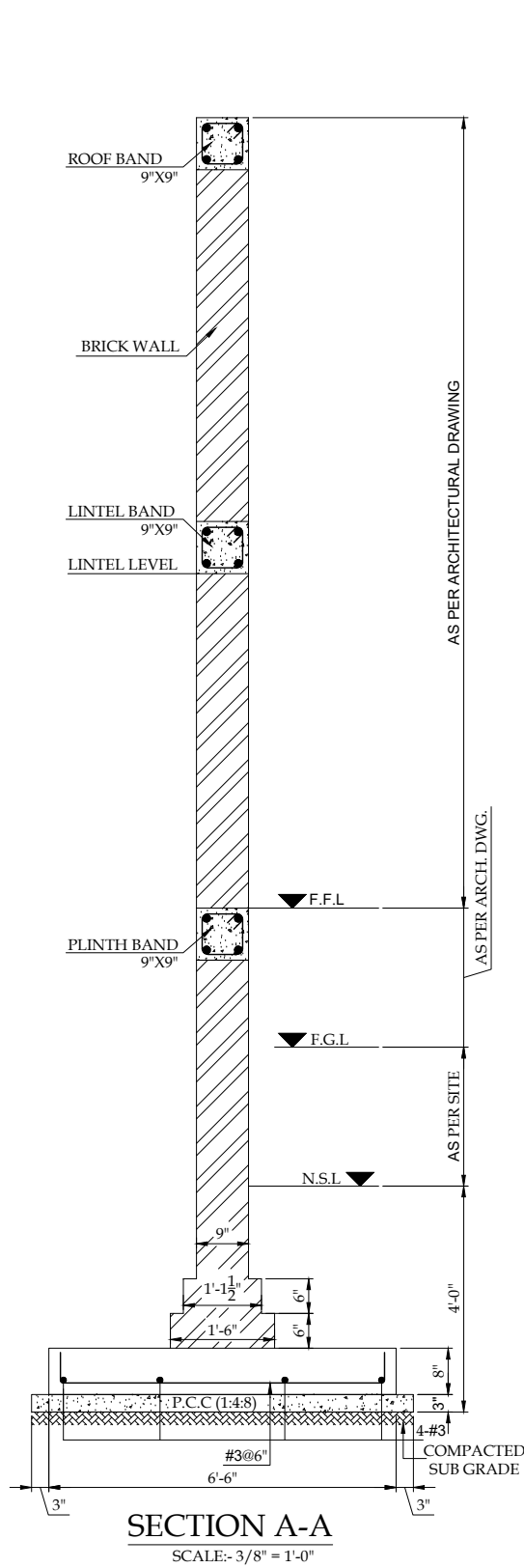
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DATE

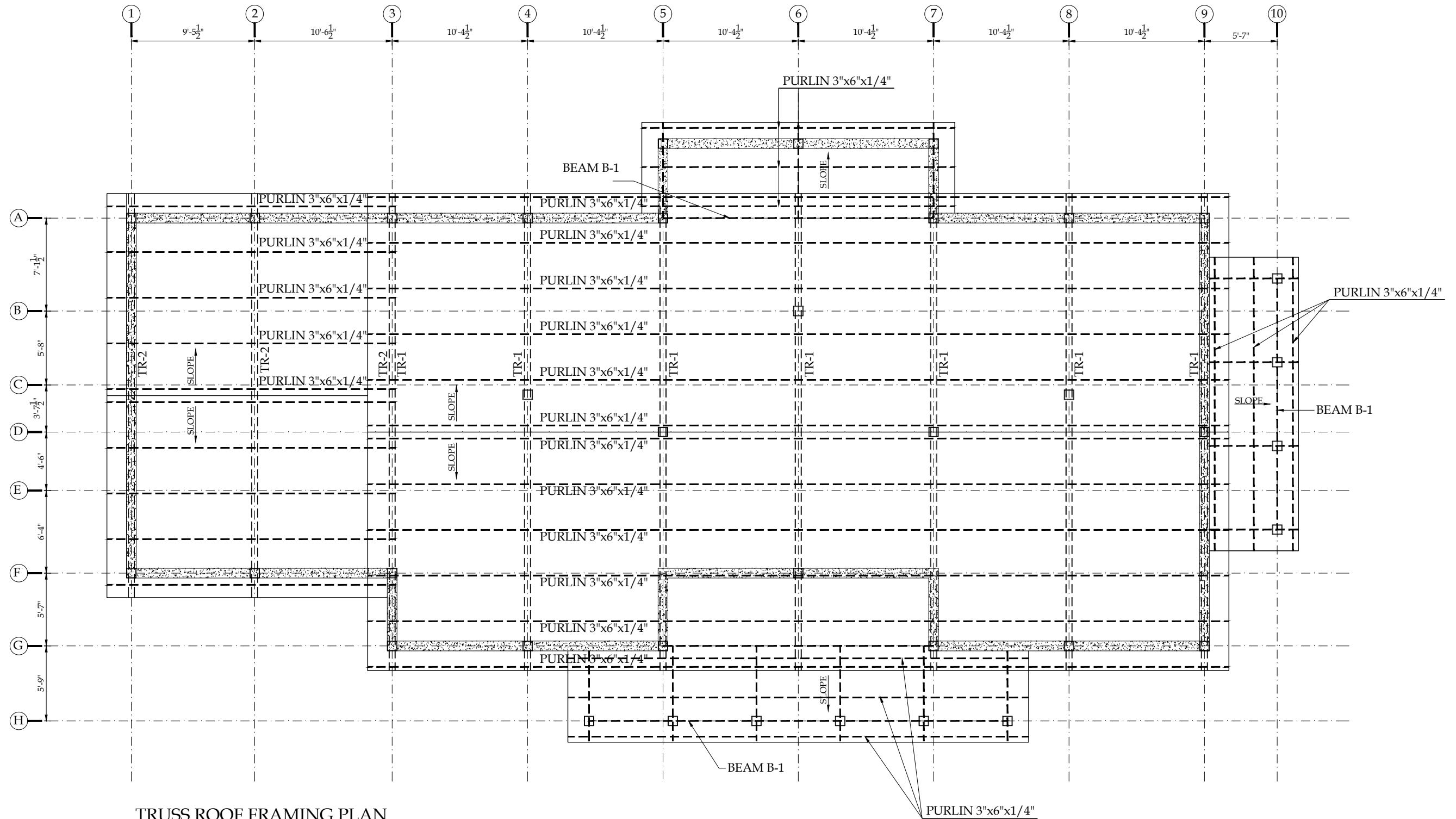


PLINTH BAND FRAMING PLAN
SCALE:- 1/6" = 1'-0"

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: ADMIN BLOCK PLINTH BEAM LAYOUT PLAN & SECTION DETAIL	DRAWING NO:		STR-4902	REV.	DESCRIPTION	SIGN.	DATE
			DESIGNED BY:	M. ASAD ULLAH		SCALE:	SHEET:	A3				
			CHECKED BY:	NAVEED NAZ								
			APPROVED BY:	SABIR HUSSAIN								
			DATE:	MARCH, 2025								



CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		DRAWING TITLE:		DRAWING NO:		REV.	DESCRIPTION	SIGN.	DATE
 PUNJAB WILDLIFE & PARK DEPARTMENT GOVERNMENT OF THE PUNJAB 		 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		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		ADMIN BLOCK FOUNDATION SECTION DETAILS		STR-4903 SCALE: SHEET: A3					



TRUSS ROOF FRAMING PLAN
SCALE:- 1/6" = 1'-0"

CLIENT:



CONSULTANTS:



ENGINEERING CONSULTANCY SERVICES
PUNJAB (PVT) LTD (ECSP).
83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.
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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:

ADMIN BLOCK

TRUSS ROOF FRAMING PLAN

DRAWING NO:

STR-4904

SCALE:

SHEET:

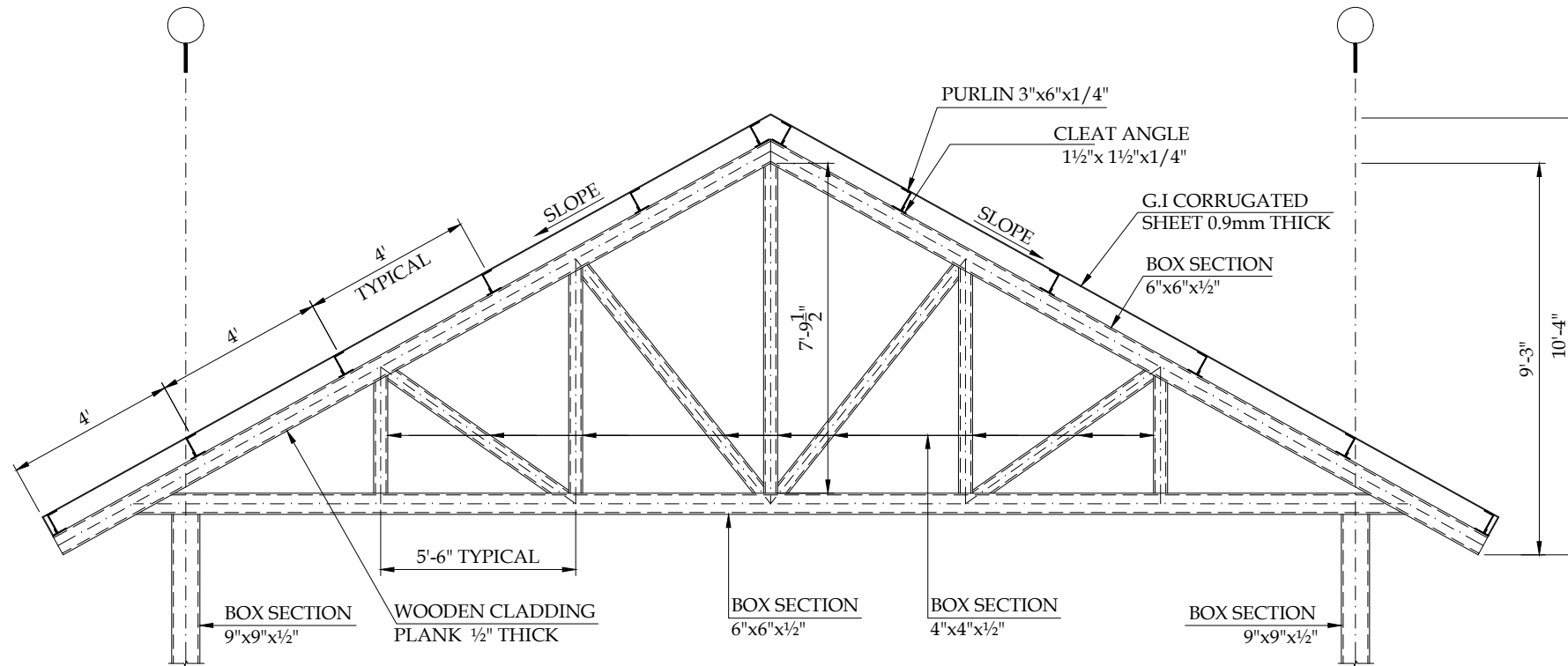
A3

REV.

DESCRIPTION

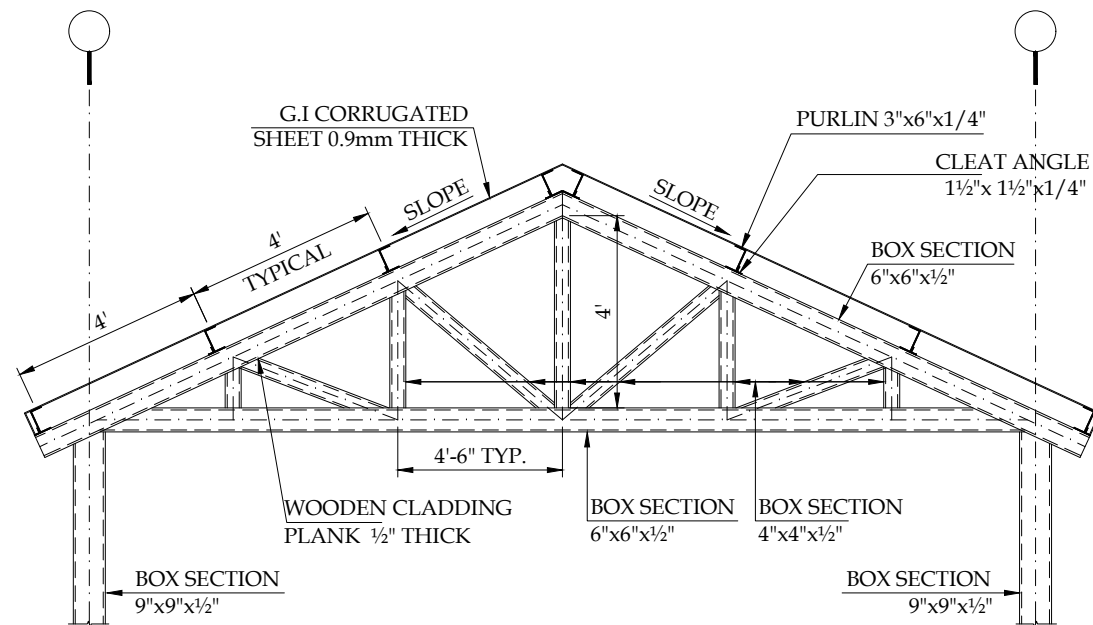
SIGN.

DATE



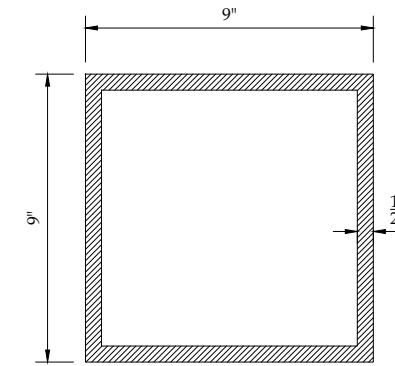
TRUSS ELEVATION TR-1

SCALE:- 1/4" = 1'-0"



TRUSS ELEVATION TR-2

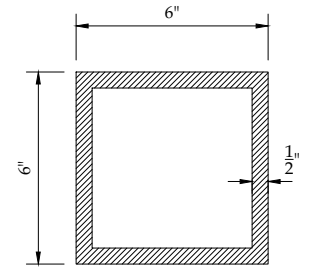
SCALE:- 1/4" = 1'-0"



BOX SECTION

9" x 9" x 1/2"

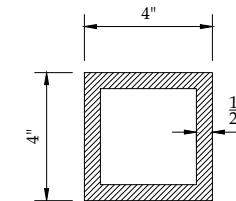
SCALE:- 1" = 4"



BOX SECTION

6" x 6" x 1/2"

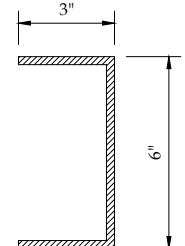
SCALE:- 1" = 4"



BOX SECTION

4" x 4" x 1/2"

SCALE:- 1" = 4"



PURLIN

3" x 6" x 1/4"

SCALE:- 1" = 4"

CLIENT:		CONSULTANTS:		PROJECT:		DRAWN BY:		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		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		ADMIN BLOCK TRUSS ELEVATION & SECTION DETAILS		STR-4905 SCALE: SHEET: A3									