PC-1

Revamping of Bansra Gali Zoological Garden, Murree

ORIGINAL APPROVED COST	**PKR Million. 3,915.598/-**
ORIGINAL APPROVED GESTATION	**24 Months** **Till June 2026**
APPROVAL FORUM	**PDWP (PDWP)**

1. NAME OF THE PROJECT

Revamping of Bansra Gali Zoological Garden, Murree

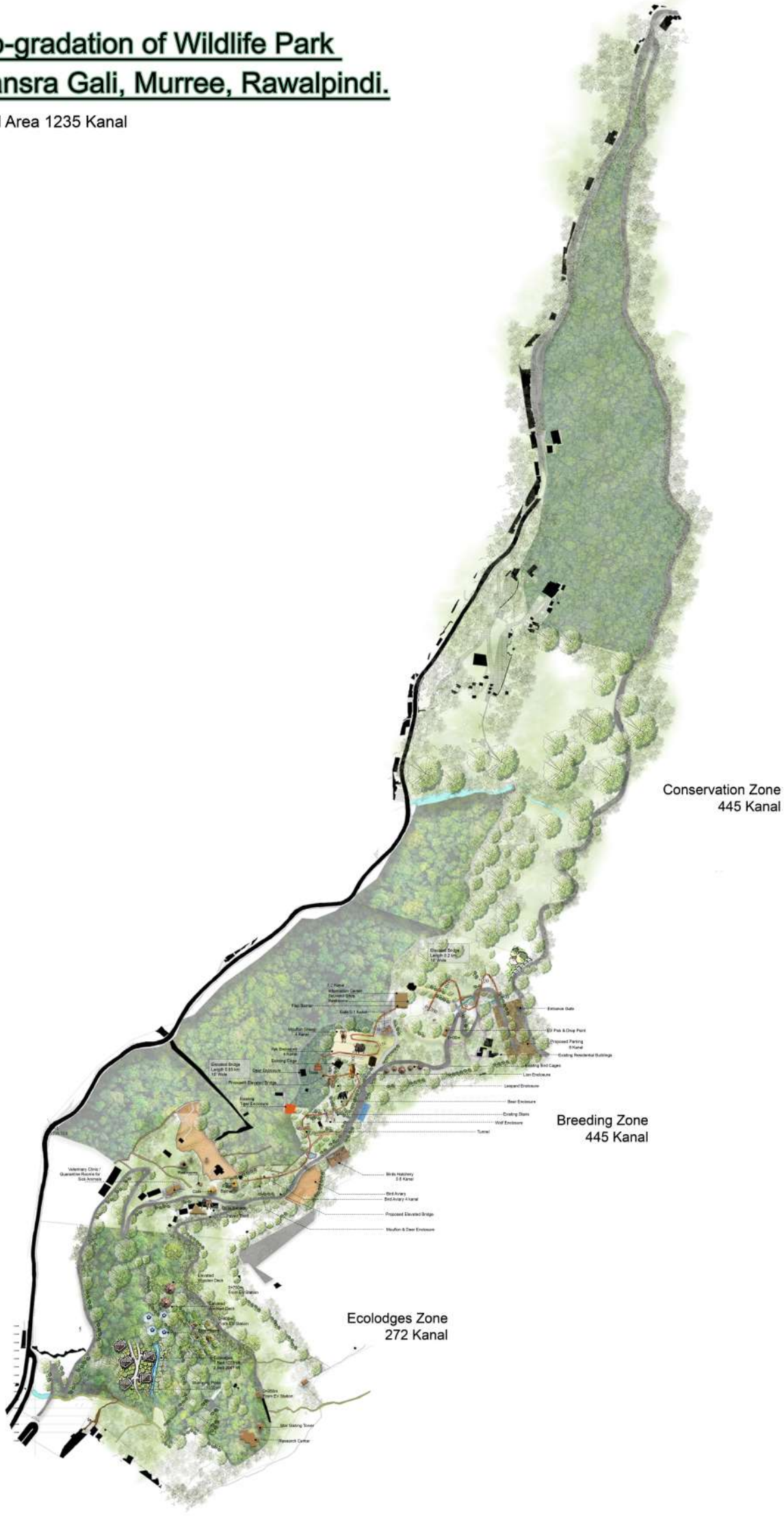
2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. MURREE

Up-gradation of Wildlife Park
Bansra Gali, Murree, Rawalpindi.

Total Area 1235 Kanal



3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- FORESTRY,WILDLIFE,FISHERIES

3.2. EXECUTION AGENCY

- FORESTRY
- WILDLIFE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- WILDLIFE

3.4. CONCERNED FEDRAL MINISTRY

4. PLAN PROVISION

Sr #	Description
1	**Source of Funding:**Scheme Listed in ADP CFY
2	**GS No:**7742
3	**Total Allocation:**0.000

Comments:

5. PROJECT OBJECTIVES

Punjab Wildlife & Parks Department has implemented various Projects for the development of wildlife in the province, which envisaged propagation of wildlife in captivity, population census of concerned species, capacity building of staff in wildlife management, research in different aspects of wildlife ecology and biology. The development project titled “Development of Wildlife Park, Bansra Gali, Murree” was got approved and implemented by the Punjab Wildlife & Parks Department during the period 1986-92 at Municipal Forest, Murree District: Rawalpindi. Aims of the project were to provide conservation education, research facilities to students of universities and recreation to general public as well as the influx of visitors to Murree Hills and Galliyat areas. The project was initiated over an area of 240 acres at a total cost of **Rs.25.478 million**.

The scheme was transferred from **Development to Non-development budget in**
1998-99; after six (06) years. During the said period due to lack of maintenance funds, shortage of staff and similar other reasons, the park could not be made operational/functional properly. However, minor repairs of some of the facilities at the park was made in 1997 which enabled it to become somewhat functional. Resultantly, the project was regularized.

During operation of the project from 1998-2003, it was noticed that the Park lacked some basic facilities. Therefore, **Phase–II** of the project “Improvement / Rehabilitation of Wildlife Park Bansra Gali, Murree (Phase-II) was implemented from **2004-2007 (36 months) at a total cost of Rs.141.210 million** due to following reasons: -

1. Extension, renovation and rehabilitation of the works carried out during Phase–I as the structures constructed during Phase-I suffered withering / deterioration due to harsh climatic affects; like heavy rains and snowfall.
2. Lack of adequate maintenance funds during last ten years.
3. To overcome shortcomings and add missing facilities.
4. Provision of better facilities for smooth operation of the park, visitor education as well as scientific management of wildlife / exhibits housed in the park.

During implementation of Phase–II of the project, the then Secretary, Government of the Punjab, Forest, Wildlife & Fisheries Department, visited the project and advised for re-planning / redesigning of the

proposed structures / facilities. Resultantly, **for re-planning / re-designing of the proposed structures / facilities the PC–I (Phase-II) was revised** keeping the approved scope intact with adjustments in specifications as per requirements **with gestation period from 2004-2012**.

On 06.09.2009 Prime Minister of Pakistan visited the park/project along with the Secretary, Government of the Punjab, Forest, Wildlife and Fisheries Department and advised to stop all ongoing civil works except, the construction of Siberian Tiger Enclosure till approval of the Master Plan.

Most of the structures constructed under Phase-I had completed their prescribed life span and needed over-hauling / renovation to make the Park operational. Further provision of standardized recreational / educational facilities for general public, tourists, educationist and conservationists coinciding with better propagation and management of exhibits, necessitated the implementation of Phase-II.

Objectives of the project preferably in Quantitative Terms

The instant project has been conceived with following objectives:-

1. Protection and rehabilitation of biopersity with this project would directly benefit to the local community in terms of tangible and non-tangible benefits.
2. Punjab Wildlife & Parks Department direct Beneficiary.
3. Benefiting directly to the unemployed society by providing the new jobs opportunities.
4. A research facility for the students of the universities.
5. An opportunity would be created for eco-tourism and hence per capita income of the local community would be increased through various activities in this regard.
6. Provision of new animal and public facilities
7. Captive breeding of endemic, endangered wildlife species
8. Provision of opportunities for research and education in the field of biopersity and life sciences.
9. Provision of recreational facilities for the public / visitors

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT:

Description

1. **Existing Facilities**

Punjab Wildlife & Parks Department implemented a project, **'Development of Wildlife Park Bansra Gali, Murree'** during 1988-92 at a total cost of Rs.25.478 million. Moreover, some structures were added and others were renovated / completed under **Phase-II from** 2004-2012 at a total cost of Rs.311.793 million. Funds to the tune of Rs.92.537 (m), were utilized i.e. Rs.68.528 (m) under Capital Head and Rs.34.000 (m) under Revenue Head. Detail is as under:-

PHASE-I		**SPECIFICATIONS (RFT/SFT/NO.)**
	FACILITIES	
1.	Boundary fence	27052 Rft
2.	10' wide black topped road	6100 Rft
3.	Lion Enclosure	1200 Rft.
4.	Ungulate Enclosures 07 Nos.	1000 Rft each
5.	Aviary	01 No.

6.	Monkey House	01 No.
7.	Cafeteria/Restaurant	01 No. (Collapsed due to Land Slide)
8.	Pavilions 10 No.	130 Sft/e
9.	Office Building	600 Sft/e
10.	Tourist Huts 10 No.	284 Sft/e
11.	Public Toilets 07 No.	264 Sft/e
12.	Electrification fixtures and water arrangements	LS
12.	Officer Residence 01 No.	1500 Sft
13.	Staff Quarters 02 No.	400 Sft/e
14.	Store Room 01 No.	300 Sft
15.	Ticketing Booths 02 No.	150 Sft/e
PHASE-II		
FACILITIES		
1.	Hexagonal Bird Cages 130 sft each 10 No	1300 sft
2.	Tuff Paver's Walkway / Path 10' wide	3560 sft
3.	Garages 3 Nos.	742 sft
4.	Parking facility	5000 sft
5.	Residential Building Scale 11-14, 1 No.	1360 sft
6.	Residential Buildings Scale 1-10, 5 No.	4950 sft
7.	Rehabilitation and partition of existing Lion Enclosure for housing Tiger	1620 sft
8.	Rehabilitation and partition of Existing Lion Enclosure for housing Lion	1220 sft
9.	Renovation/Rehabilitation including Widening of existing 10' to 12' wide Black Top Road	6100 Sft (Partially executed)
10.	Renovation/Rehabilitation of Existing ticketing booth, 1No.	195 sft
11.	Renovation/Rehabilitation of existing Officer Residence, 1 No.	1500 sft

2. Technical Feature:

The Wildlife Park, Bansra Gali, Murree has been established in Cheer pine vegetation zone and as well as transition of the Cheer Pine and Blue Pine distribution zones and therefore vegetation of the park is a beautiful admixture of these two tall tree species, former dominant in the lower and the later dominant in upper reaches of the area. The big game species of area are threatened with extinction due to over exploitation of forest resources mainly population growth, massive concrete structures, destruction and fragmentation of habitat in the name of development, and such other pressures. Murree is one of the most favorite hill resorts of Pakistan. People from all over the country visit the area throughout the year due to its natural beauty and pleasant climate. Many Wildlife species have been swiftly disappearing throughout Pakistan and people hardly ever get a chance to see wild animals and birds in their natural habitats. To provide this opportunity to general public capacious enclosures have been provided and have been proposed under this project at Wildlife Park Bansra Gali, Murree.

2. a) Soil:

Rocks in the area are igneous stone in nature. Generally the soil in the Cheer pine zone is rocky and hard with low porosity. Habitat destruction is very high especially due to heavy grazing and deforestation. These losses of soil / vegetation are main causes of landslides.

b) Climate:

Climate of the area is subtropical, moist and temperate in nature, where in higher altitude of the Murree, Snow fall is a common phenomenon in winters, whereas, summers are pleasant. Due to this fact this Region harbors the prime tourist destination spot of the country. Temperature is minimum in the month of January which drop down below freezing point and maximum in the month of June and July reaching up to 30-35c. Both forms of precipitation occurs in this Region i.e. rain and snow. The weather of this area is very unpredictable.

Climate of the area is characterized by pleasant summers and relatively severe winters. Monthly mean minimum temperature in December to February fluctuates between ±7º C whereas maximum temperature is recorded in the month of June and fluctuates between 20 to 25º C. Average annual rainfall in the region is 850 mm. The precipitation received in summer is in the form of rainfall while in winter (December to February) mainly in the form of snowfall. Monsoon rains are also observed during the months of July to August whereas August is the most humid month of the year and humidity gradually decline from September onward.

c) Vegetation:

Cheer and Phulai forms main canopy of vegetation alongwith variety of shrubs, herbs and grasses at lower altitude. Herbs and grasses are mostly annual whereas, shrubs are bi-annual and perennial in nature. Vegetation cover provides food and shelter for natural Wildlife species. At higher altitude Cher pine is found in mixture of broadleaved species such as Quercus, horse chestnut and olea species. In the moist temperate forest thick vegetation covers constitute 2-3 story forests comprising mainly species such as fir and blue pine makes the mixture with the akhrot, quercus with some prunus genera trees with the variety of shrubs and herbs underneath the main crown cover.

The major tree species found in the area are Cheer Pine, Blue Pine, Oaks and Wild Chestnut. Wild Pomegranate, Myrsine, some Wild Berries, Wild Rose are main shrubs, while a variety of grasses, sedges and herbs are also found in the area which provide ground vegetation cover for the soil and are a major source of food/hide outs for the ground dwelling wildlife species occurring in the area. With establishment and operation of Wildlife Park in the area since last 20 years, vegetation of the area has been preserved and improved manifold.

d) Wildlife Component of Bio-Diversity:-

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

1. Common Leopard	17. Kalij Pheasant
2. Jackal	18. Black Winged Kite.

3. Hedgehog	19. Golden backed wood-pecker.
4. Wild Boar	20. Red-vented bulbul.
5. Barking Deer	21. Golden oriole
6. Wild Hare	22. Common Peafowl
7. Porcupine	23. Indian tree-pie
8. Kashmir Flying Squirrel	24. Hoopoe
9. Common Squirrel	25. Plum Headed Parakeet
10. Indian Pangolin	26. Hedge Hog
11. Large & Small Fruits Bats	27. Blossom Head Parakeets
12. Black Partridge	28. House Sparrow
13. Grey Partridge	29. Rufous Turtle Dove
14. Common Pariah Kite	30. Variety of song birds
15. Horseshoe Bat.	31. Rats & Mice
16. Jungle Crow	32. Snakes & Lizards

The following animal and bird species are presently housed in the park in captive facilities.

Category	**Sr. No.**	**Species**	**No.**
A-Animals	1.	Siberian Tiger *(Panthera tigris sibirica)*	01 No.
	2.	Red Deer *(Axis*sp)	02 No.
	3.	Yak *(Boss mutus)*	05 No.
	4.	Wolf	02 No.
	5.	Mouflon Sheep	07 No.
	6.	Fellow Deer	01 No.
B-Birds	1.	Different species of Peafowls *(Pava Cristatus)*	30 No.
	2.	Silver Pheasant *(Lophura nycthemera)*	04 No.
	3.	Ring Necked Pheasant *(Phasianus colchicus)*	11 No.
	4.	Green Pheasant *(Phasianus versicolor)*	07 No.

Justification

The present status of Wildlife Resources in the Province is not satisfactory. Ruthless hunting, increase in human population, droughts & habitat shrinkage are detrimental factors that have adversely affected Wildlife resources. Black Buck, Cheetah, Crocodile, Gavial and Cheer Pheasant are now extinct and many other species i.e. Common Leopard, Barking Deer, Blue Bull, Urial, Chinkara, Wolf, Kalij / Koklass Pheasants and Grey/Black francolins have been thrown at the verge of extinction. With forceful enforcement of Punjab Wildlife Act 1974 amended 2010 and Punjab Protected Areas Act 2020, management of protected

areas and establishment of Breeding Farms in Govt. & Private Sector, the Department has succeeded to conserve endangered wildlife species. However, Barking Deer, Common Leopard and Pheasants in mountainous tract are still vulnerable to extinction. Seasonal upsets, hunting and habitat destruction are alarming and limiting factors and warrant immediate conservation measures. The general public, tourists and visitors hardly get a chance to see Wildlife under natural environment. Wildlife Park are in-situ conservation centers, educating public in Wildlife management philosophy and recreation.

Though the project is operational since 1998, the renovation and strengthening of existing structures and provision of new facilities is required to make it more attractive and viable. The main hurdle of the park is its steep gradient, minimum parking space and least number of animals' exhibits making it below par to the general public and its annual footfall is beyond its expectation. As per perception and Chief Minister Punjab Directives to build / renovate this park to meet the international standards for providing recreational, educational and wildlife awareness centers to the incoming visitors at Murree hill station across all the Pakistan. The new facilities would cater the deficiencies in the park and it is expected that the huge influx of the visitors would be enabled after completion of this master plan. Hence, this project has been conceived to add few new facilities in the park for visitors that are lacking at the moment and repair / renovation of the deteriorated infrastructure. Therefore, the implementation of this project is vital and essential for achievement of the objectives visualized at the time of establishment of this park.

1. **Plan of Action**

As per the directions of worthy Director General, Wildlife & Parks and under the Chief Minister directives under this project new initiative / facilities would be an excellent center for ex-situ conservation of Wildlife species through public motivation, education, training, research and recreation. For the first time in Punjab the project has been conceived to promote Eco Tourism with sustainability and conservation of Bio Diversity according to the Best international practices and also rehabilitation / modification of the existing structures (developed in the recently concluded developmental project in 2023-24) to make them better for both the animals residing at the park and the visitors as well.

Detail is as under:-

A: New facilities.

1. Installation of Theme Based Gate at the Entrance of the Zoological Garden
2. Development of an Information Center.
3. Development of Cafes and other Sitting areas in Park.
4. Development of New Enclosures.
5. Development of Eco Friendly Tree Houses.
6. Development of Eco-tourism Lodges / Glamping arena.
7. Development of Elevated Steel Bridge with Multiple View Points for Animal Viewing.
8. Development of New Enclosure and Rehabilitation of the Existing Ones.
9. Development of High Tech Integrated Research Center with accommodation facility for international researchers.
10. Development of Children Play Area, Painting/Art Areas with Cafés.
11. Procurement and installation of the Theme Based Sculptures/Insignias for placement within the Zoological Garden.
12. Development of a Souvenir Shop
13. Construction of Amphitheater for capacity of 50 persons
14. Animals Procurement.
15. Birds Procurement.
16. Office Complex for ADW Park along with the office staff (Double Story) i/c electrification, WAPDA Charges and Water Requirement complete in all respect.
17. 03 Nos. Residence electrification, WAPDA Charges and Water Requirement complete in all respect.
18. Staff Colony for allied Staff i/c electrification, WAPDA Charges and Water Requirement complete in all respect.

19. Boundary Fencing from Brewery Village to out gate to Bansra Gali More (Covering of lower side along with Murree Road) 8’ height.
20. 06 sets Public Toilets each containing 264/Sft + 264/Sft (Ladies / Gents)
21. 04 Nos. Watch Towers for security purpose 6x8 each
22. Garden lights for security purpose 40 Nos.
23. Lawn Development (L.S Job)
24. 04 Nos. Store rooms 10x12 each
25. 03 Nos. Feed Storage rooms 12x12 each
26. 06 rooms / Nos. Garages 10x18 each
27. Underground Water Storage Tanks along with Overhead Water supply systems in the park. Provision of Roof Rain-Water Harvesting System i/c water storage tanks 1000 Gallon Each and linking with facilities of park.
28. Construction of Boundary Wall along with Main Gate of ADW residence.

RENOVATION / ADDITION WITH EXISTING FACILITIES:

1. Uplifting of Existing Animal Enclosures and the Cages in Park
2. 07 Nos. Repair / Renovation of existing Public Toilets with provision of electric and water supply (264 Sft).
3. Repair / Renovation of 03 Nos. Huts.
4. Repair of boundary wall.
5. 05 Nos. Repair / Renovation of Residences BS 1-10 i/c electrification, distempering, weather shield and wash room repair.
6. 02 Nos. Repair / Renovation of Residences (400 Sft / each) BS-14 i/c electrification, distempering, weather shield and wash room repair.

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 sectroal objectives of promoting biopersity 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	**A01106**-Pay of Contract Staff	0.000	0.000	97.920	0.000
2	**A09801**-Purchase of Livestock	0.000	0.000	200.000	0.000
3	**A02203**-Consultant based Research and Surveys	7.000	0.000	8.000	0.000
4	**A03903**-Conference / Seminars / Workshops / Sy	0.000	0.000	5.000	0.000
5	**A03942**-Cost of Other Stores	0.000	0.000	33.000	0.000
6	**A03919**-Payments To Others For Service Rendere	0.000	0.000	20.000	0.000
7	**A03927**-Purchase of Drug and Medicines	0.000	0.000	1.000	0.000
8	**A03303**-Electricity	5.000	0.000	20.000	0.000
9	**A03807**-P.O.L Charges A.Planes H.Coptors S.Car	0.500	0.000	2.000	0.000
10	**A03407**-Rates and Taxes	0.500	0.000	6.000	0.000
11	**A03805**-Travelling Allowance	1.000	0.000	3.000	0.000
12	**A03901**-Stationery	1.000	0.000	3.000	0.000
13	**A03906**-Uniforms and Protective Clothing	1.000	0.000	4.000	0.000
14	**A03902**-Printing and Publication	2.000	0.000	4.000	0.000
15	**A13001**-Transport	1.000	0.000	0.500	0.000

16	**A03907**-Advertising and Publicity	5.000	0.000	10.000	0.000
17	**A03970**-Others	1.000	0.000	9.000	0.000
18	**A13801**-Maintenance of Gardens	0.000	0.000	5.000	0.000
19	**A03301**-Gas	0.000	0.000	5.000	0.000
20	**A09501**-Purchase of Transport	0.000	0.000	77.500	0.000
21	**A09601**-Purchase of Plant and Machinery	36.056	0.000	72.934	0.000
22	**A12403**-Other Buildings	486.913	0.000	2,759.175	0.000
23	**A03801**-Training - Domestic	2.000	0.000	8.000	0.000
24	**A09201**-Purchase of Hardware	2.800	0.000	2.800	0.000
25	**A09701**-Purchase of Furniture and Fixture	6.000	0.000	**Total**	

8. ANNUAL OPERATING COST (POST COMPLETION)

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

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

PKR Million

Sr #	Object Code
Total	

9. Demand and Supply Analysis:

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION:

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

10.2 FINANCIAL PLAN DEBT INFORMATION:

Not applicable.

10.3 FINANCIAL PLAN GRANT INFORMATION:

Not applicable.

10.4 WEIGHT COST OF CAPITAL INFORMATION:

Not applicable.

11. PROJECT BENIFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION:

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

11.2 ENVIROMENTAL IMPACT ANALYSIS:

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

habitats, the project will help maintain and boost biopersity, 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 biopersity 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 Bansra Gali 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 date of project approval to 30.06.2027.

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

undefined

15. CERTIFICATE

Focal Person Name: Saba Adil

Designation: Project Director PMU, Punjab Wildlife Department

Email:

Tel. No.:

Fax No:

Address: Office of Project Director PMU, Punjab Wildlife Department, Lahore.

15. **Certificate**

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

PREPARED BY:

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

CHECKED BY:

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

COUNTERSIGNED BY:

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

checked by DD HQ

APPROVED BY:

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

CamScanner

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?	NO		
Use of Gender Disaggregated Data				
1	Was gender disaggregated data used to determine rationale / need of the project for select beneficiaries?	NO		
Social Impact				
1	Do project objectives/justification include focus on marginalised groups (women, PWDs, minorities, transgender, poor etc.)?	NO		
1a	Have marginalised groups (Women, PWDs, Minorities, Transgender Persons, Poor etc.) been included in project objectives / justification and / or as beneficiaries of the project?	NO		
2	Does the PC-1 include specific provisions for capacity building / training of marginalised group (if applicable)?	NO		
Results Based Monitoring				
1a	Does the PC-I include a Results Based Monitoring Framework (RBMF)/Logical Framework?	NO		
2	Were SDG indicators used for determining targets included in the PC-I?	NO		
Inculsion/Participation				

1	Did the Stakeholder consultation(s) held during ADP Formulation and / or PC-I development include experts and representatives of marginalised groups and CSOs?	NO		
Monitoring & Evaluation				
1	Does the project provide a role to communities in project monitoring and/or implementation (if relevant)?	NO		
2a	Does the project include formation of a Steering Committee and/or Project Implementation Committiees?	NO		
2b	Is there a provision to ensure representation of women in these committees?	NO		

AREA STATEMENT

The project would be implemented within the existing Wildlife Park established near Lawrence College over an area of 240 Acres in Municipal Forest, compartment No.11 & 12, Murree Forest Division, Murree District Division Rawalpindi. Layout Plan of existing facilities and proposed plan are attached. Some of the existing facilities would be modified and few will be added with new additions to make it more attractive, meaningful, cost effective and best usage of the resources.

CONSERVANCY & WORKS

(Rs. in million)

Sr. No.	Description	Qty	Unit	Rate / Unit	2024-25	2025-26	Total
1.	Construction & Development of Thematic Entry Gate of Bansra Gali Zoological Garden.	1	LS	18,750,000	2.812	15.938	18.750
2.	Development of Car Parking Areas for 100 cars.	Work	LS	300,000,000	45.000	255.000	300.000
3.	Construction of An Information Center Building with Toilet Block.	1	LS	20,000,000	3.000	17.000	20.000
4.	Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.	1	LS	15,000,000	2.250	12.750	15.000
5.	Development of New Enclosures.	3	LS	55,916,667	25.162	142.588	167.750
6.	Rehabilitation of Existing Enclosures.	4	LS	12,500,000	7.500	42.500	50.000
7.	Development of Residences Hall (Dormitories) for the Staff at Zoological Garden	3	LS	6,666,666	3.000	17.000	20.000
8.	Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack.	1	LS	1000,000,000	135.000	765.000	900.000
9.	Construction of the Café(s).	2	LS	25,000,000	7.500	42.500	50.000
10.	Development of the Elevated Wooden Deck for View Point	2	LS	5,117,500	1.535	8.700	10.235
11.	Development of Fully Functional Tree Houses.	2	LS	15,423,000	4.627	26.219	30.846
12.	Construction of the State of the Art Eco-lodges. 1Bed;2 Bed	1Bed*3	LS	23,967,830	21.961	124.445	146.406
		2Bed*2		37,251,254			
13.	Construction & Development of the Glamping Pods.	4	LS	18,757,000	10.804	61.224	72.028
14.	Development of Children Play Area.	1	LS	5,000,000	0.750	4.250	5.000
15.	Development of the Stair Case to connect With the Existing Stair Case.	Work	LS	5,000,000	0.750	4.250	5.000
16.	Renovation/Construction of Housing Quarters/Houses for Zoological Garden Staff.	3	LS	3,333,333	1.500	8.500	10.000

Sr. No.	Description	Qty	Unit	Rate / Unit	2024-25	2025-26	Total
17.	Construction of Toilet Blocks at Different Locations within the Zoological Garden.	6	LS	5,000,000	4.500	25.500	30.000
18.	External Electrification Network complete in all respects	Work	LS	430,000,000	57.000	323.000	380.000
19.	Providing And Laying of Sewerage Pipe lines and manholes where required for the assets and utilities.	Work	LS	400,000,000	52.595	298.037	350.632
20.	Boundary Fencing of Zoological Garden and Zones where Required.	1	LS	76,723,000	11.509	65.214	76.723
21.	Revamping and Development of the EV Tracks within the Zoological Garden.	1	LS	10,000,000	1.500	8.500	10.000
22.	Construction And Development of Star Gazing Tower in the Eco Lodges Zone.	1	LS	10,000,000	1.500	8.500	10.000
23.	I.T. Equipment for complete project	1	LS	242,820,000	36.393	206.226	242.619
24.	Construction of Amphitheatre for capacity of 50 persons (1600 Sft.)	1	LS	15,000,000	2.250	12.750	15.000
25.	Conversion of existing enclosure into Veterinary Clinic	1	L.S	10,000,000	1.500	8.500	10.000
26.	Quick Response Centre with Ambulance	1	L.S	5,000,000	0.750	4.250	5.000
Sub-Total - A:					**442.649**	**2508.341**	**2950.990**
PRA Tax @ 5%					22.133	125.417	147.550
Contingency @ 2%					8.853	50.167	59.020
Sub-Total-B:					**473.635**	**2683.925**	**3157.560**
Consultancy Cost							
1-	Design Charges @ 1.5%				6.640	37.625	44.265
2-	Resident Supervision @ 1%				4.425	25.083	29.508
3-	Survey & Misc. @ 0.5%				2.213	12.542	14.755
Sub-Total-C:					**13.278**	**75.250**	**88.528**
Grand Total (A+B):					**486.913**	**2759.175**	**3246.088**

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.	Item	Qty	Rate / Unit	2024-25	2025-26	Total
1.	4x4 Double Cab Standard, Minimum, Automatic, Diesel	01	17,000,000	17.000	-	17.000
2.	Flat Deck Truck, Diesel engine along with steel frame for transportation / shifting of animals.	01	6,500,000	6.500	-	6.500
3.	Snow Chain for Tyre's 10 pairs	10	50,000	0.500	-	0.500
4.	Motorcycles (125 CC)	08	500,000	-	4.000	4.000
5.	Portable Transportation cages (light weight) for recovery of sick animal that could be mounted on single pickup.	04	667,500	0.668	2.002	2.670
6.	Capturing cage for Mammals	05	544,000	1.088	1.632	2.720
7.	Transportation Cages for Birds	10	200,000	2.000	-	2.000
8.	Cages for capturing / transportation of small mammals.	06	500,000	-	3.000	3.000
9.	Tranquilizer Gun RD 706 Teledart with accessories or equivalent	02	1,500,000	-	3.000	3.000
10.	Drone Cameras 12mp	02	500,000	-	1.000	1.000
11.	Walky-talky sets with accessories (01 No for vehicle with accessories).	30	100,000	-	3.000	3.000
12.	Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V, Frequency 50~60 Hz.	05	400,000	-	2.000	2.000
13.	Generator 100 KV 100 KVA brand new Perkins UK diesel generator or equivalent with sound proof canopy and battery price.	01	55,000,000	-	55.000	55.000
14.	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.	02	500,000	-	1.000	1.000

Sr. No.	Item	Qty	Rate / Unit	2024-25	2025-26	Total
15.	HP Laptop HP 15 FD0336nia – Raptor Lake – 13th Gen Core i3 Hexa-core (6 Core) Processor 4-GB to 32GB 256GB to 2-TB SSD Intel UHD Graphics 15.6 Full HD 1080p 250nits MicroEdge Display Backlit KB or equivalent	03	500,000	-	1.500	1.500
16.	LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI&VGA Connectivity	02	150,000	0.300	0	0.300
17.	Office Furniture for ADW + VO + W.I (L.S)	LS	LS	-	4.000	4.000
18.	Furniture for Media Manager, GIS analyst & for Veterinary Assistant office	LS	LS	-	1.000	1.000
19.	Kitchen utensils and accessories for office use	LS	LS	0	0.500	0.500
20.	Simple Binoculars + Night vision Binoculars	02 02	100,000 / 150,000	0	0.500	0.500
21.	large Nets	03	333,333	1.000	-	1.000
22.	Photocopier	01	300,000	-	0.300	0.300
23.	Steel Almirah for office	08	125,000	-	1.000	1.000
24.	LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI & VGA Connectivity.	02	150,000	0.300	-	0.300
25.	Colour Printer HP latest model or equivalent.	01	200,000	0.200	-	0.200
26.	Multimedia Projector (2500 Lumens) with Screen latest model	01	1,000,000	1.000	-	1.000
27.	LED TV (Android) 55”	03	333,333	1.000	-	1.000
28.	CCTV day & night Camera System sets, with 16 No. outdoor waterproof cameras DOME H.D. / AHD, DVR 56” Screen with 15 days recording including optical fiber wire	10	700,000	-	7.000	7.000
29	Motion Detector Cameras	15	66,667	-	1.000	1.000
30.	Binoculars (Nikon) (16 x 50) or equivalent	10	100,000	1.000	-	1.000
31.	Spotting Scope 80x60 or higher resolution with tripod stand.	01	1,000,000	1.000	-	1.000
32.	Photography Equipment’s L.S.	LS	LS	2.000	-	2.000
33.	Refrigerators	04	250,000	1.000	-	1.000
34.	Single Door Refrigerator	03	333,333	1.000	-	1.000

Sr. No.	Item	Qty	Rate / Unit	2024-25	2025-26	Total
35.	Electric Heaters	15	20,000	0.300	-	0.300
36.	Microwave Oven	05	100,000	0.500	-	0.500
37.	Bush Cutter i/c all accessories	05	100,000	0.500	-	0.500
38.	Electric Vehicles	05	10,000,000	-	50.000	50.000
39.	Trapping Cameras night vision for recording of movement with accessories	10	200,000	-	2.000	2.000
40.	Search Lights & Safety dress / gears & mics. Safety Equipment's	06	166,667	-	1.000	1.000
41.	Electric Water Cooler 10 Nos.	10	90,000	-	0.900	0.900
42.	Electrician Tool Kit i/c all accessories	01	200,000	-	0.200	0.200
43.	Welding Plant	01	500,000	-	0.500	0.500
44.	Wheel Chairs	150	5,000,000	-	5.000	5.000
45.	Repeater Guns.	06	1,200,000	-	7.200	7.200
Total:				**38.856**	**159.234**	**198.090**

COST OF ESTABLISHMENT

(Rs. in million)

S. No.	Name of Post	PPS	No. of Post	Gross Monthly Salary	2024-25	2025-26 (12-months)	Total
1.	Security Manager	PPS-07	1	0.250	-	3.000	3.000
2.	Manager, Experience Development	PPS-07	1	0.250	-	3.000	3.000
3.	Manager Horticulture	PPS-07	1	0.250	-	3.000	3.000
4.	Manager Administration	PPS-07	1	0.250	-	3.000	3.000
5.	Manager Veterinary	PPS-07	1	0.250	-	3.000	3.000
6.	Supervisor Wildlife	PPS-07	1	0.250	-	3.000	3.000
7.	Assistant Manager Administration	PPS-06	1	0.150	-	1.800	1.800
8.	Assistant Manager Veterinary	PPS-06	2	0.150	-	3.600	3.600
9.	Document Controller	PPS-06	1	0.150	-	1.800	1.800
10.	Wildlife Guide	PPS-05	6	0.100	-	7.200	7.200
11.	Electrician	PPS-05	1	0.100	-	1.200	1.200
12.	Animal Keeper	PPS-05	10	0.100	-	12.00	12.000
13.	EV Captain	PPS-04	6	0.080	-	5.760	5.760
14.	Driver	PPS-04	2	0.080	-	1.920	1.920
15.	Welder	PPS-04	1	0.080	-	0.960	0.960
16.	Office Attendant	PPS-02	1	0.050	-	0.600	0.600
17.	Gardener	PPS-02	10	0.050	-	6.000	6.000
18.	Guard	PPS-02	8	0.050	-	4.800	4.800
19.	Janitor	PPS-02	5	0.050	-	3.000	3.000
	Sub-Total:		**60**	**-**	**-**	**68.640**	**68.640**
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
4.	Microbial Data Analyst	PPS-08	1	0.300	-	3.600	3.600
5.	Ecologist	PPS-08	1	0.300	-	3.600	3.600
6.	Research Collaboration Coordinator	PPS-08	1	0.300	-	3.600	3.600
7.	IT Support Specialist	PPS-07	1	0.200	-	2.400	2.400
8.	Geospatial Analyst	PPS-07	1	0.200	-	2.400	2.400
9.	Lab Technician	PPS-06	1	0.140	-	1.680	1.680
	Sub-Total:		**9**	**-**	**-**	**29.280**	**29.280**
	Grand Total:		**69**	**-**	**-**	**97.920**	**97.920**

COMMODITIES & SERVICES

(Rs. in million)

Sr. No.	Item	2024-25	2025-26	Total
1.	Holding of Seminars, Trainings & field visits to groups, delegations and exposure visits to the Zoological Garden and MKK National Park	2.000	8.000	10.000
2.	Cost of Feed for Animals / Birds	-	33.000	33.000
3.	Cost of Chemical and Medicines	-	1.000	1.000
4.	Electricity charges	5.000	20.000	25.000
5.	P.O.L. charges	0.500	2.000	2.500
6.	Rate & Taxes	0.500	6.000	6.500
7.	T.A (L.S)	1.000	3.000	4.000
8.	Stationary Charges	1.000	3.000	4.000
9.	Uniforms	1.000	4.000	5.000
10.	Printing & Publications (L.S)	2.000	4.000	6.000
11.	Transport (Repair)	1.000	0.500	1.500
12.	Sui Gas Charges	0.000	5.000	5.000
13.	Publicity and advertisement charges	2.000	3.000	5.000
14.	Signage	3.000	7.000	10.000
15.	Plantation of ornamental plants along Road and pathways	-	5.000	5.000
16.	Provision of stuffed animal / related items	-	4.000	4.000
17.	Others / Unforeseen	1.000	5.000	6.000
18.	Awareness Campaign	-	5.000	5.000
19.	Hiring of Services Rendered for removal of Bushes / under growth and thinning / removal of trees for better vision and Public interest (Deposit work from the concerned Forest Department)	-	20.000	20.000
20.	Hiring of Services of a Third Party Consultant	7.000	8.000	15.000
21.	Purchase of Wildlife Animals	-	200.000	200.000
Total:		**27.000**	**346.500**	**373.500**

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

SUMMARY OF COST

(Rs. in million)

Appendix No.	**Items**	**2024-25**	2025-26	**Total**
II	Conservancy & works	486.913	2759.175	3246.088
III	Machinery, Stores, Tools and Equipment's	38.856	159.234	198.090
IV	Cost of Establishment	-	97.920	97.920
V	Commodities and Services	27.000	346.500	373.500
Total:		**552.769**	**3362.829**	**3915.598**

ANNUAL RECURRING COST

(Rs. in million)

Sr. No.	Item	Year-I	Year-II	Year-III
1.	Maintenance of physical works.	5.000	5.750	6.610
2.	Maintenance, Machinery & Equipment's, etc.	1.300	1.500	1.720
3.	Contingencies.	0.500	0.580	0.660
4.	Establishment.	72.240	83.080	95.540
5.	Electricity.	2.500	2.880	3.310
6.	POL Charges.	1.200	1.380	1.590
7.	Feed for animals & birds.	35.000	40.250	46.290
8.	Chemical & medicines for Lab and animals / birds.	1.500	1.730	1.980
Total:		**119.240**	**137.130**	**157.690**

RESULT-BASED MONITORING (RBM) INDICATORS

SR NO	INPUT	OUTPUT	OUTCOME		TARGETED IMPACT
			BASELINE INDICATOR	TARGETS AFTER COMPLETION OF PROJECT	
1	REVAMPING OF WILDLIFE PARK BANSRA GALI MURREE	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

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

ii. Revival of endangered species and room for recovery of decimated species

iii. 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, renting of glamping pods, tree houses, parking fee etc.

iv. 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.

v. 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.

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

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

viii. 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.

ix. Recreational facilities will be improved.

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

IMPLEMENTATION PLAN

CONSERVANCY AND WORKS			
COMPONENTS	**Cost**	**2024-25**	**2025-26**
Construction & Development of Thematic Entry Gate of Bansra Gali Zoological Garden.	18.750		
Development of Car Parking Areas for 100 cars.	300.000		
Construction of An Information Center Building with Toilet Block.	20.000		
Conversion of Existing Museum into an Integrated High Tech Research and Educational Centre.	15.000		
Development of New Enclosures.	167.750		
Rehabilitation of Existing Enclosures.	50.000		
Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Zoological Garden	20.000		
Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack.	900.000		
Construction of the Café(s).	50.000		
Development of the Elevated Wooden Deck for View Point	10.235		
Development of Fully Functional Tree Houses.	30.846		
Construction of the State of the Art Eco-lodges. 1Bed;2 Bed	146.406		
Construction & Development of the Glamping Pods.	72.028		
Development of Children Play Area.	5.000		
Development of the Stair Case to connect With the Existing Stair Case.	5.000		
Renovation/Construction of Housing Quarters/Houses for Zoological Garden Staff.	10.000		
Construction of Toilet Blocks at Different Locations within the Zoological Garden.	30.000		
External Electrification Network complete in all respects	380.000		
Providing And Laying Of Sewerage Pipe lines and manholes where required for the assets and utilities.	350.632		
Boundary Fencing of Zoological Garden and Zones where Required.	76.723		
Revamping and Development of the EV Tracks within the Zoological Garden.	10.000		
Construction And Development of Star Gazing Tower in the Eco Lodges Zone.	10.000		
I.T. Equipment.	242.619		
Construction of Amphitheater for capacity of 50 persons (1600 Sft.)	15.000		
Conversion of existing enclosure into Veterinary Clinic	10.000		
Quick Response Centre with Ambulance	5.000		

Machinery, Store, Tools & Equipment			
ITEMS	**Cost**	**2024-25**	**2025-26**
4x4 Double Cab Standard, Minimum, Automatic, Diesel	17.000		
Flat Deck Truck, Diesel engine along with steel frame for transportation / shifting of animals.	6.500		
Snow Chain for Tyre's 10 pairs	0.500		
Motorcycles (125 CC)	4.000		
Portable Transportation cages (light weight) for recovery of sick animal that could be mounted on single pickup.	2.670		
Capturing cage for Mammals	2.720		
Transportation Cages for Birds	2.000		
Cages for capturing / transportation of small mammals.	3.000		
Tranquilizer Gun RD 706 Teledart with accessories or equivalent	3.000		
Drone Cameras 12mp	1.000		
Walky-talky sets with accessories (01 No for vehicle with accessories).	3.000		
Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V, Frequency 50~60 Hz.	2.000		
Generator 100 KV 100 KVA brand new Perkins UK diesel generator or equivalent with sound proof canopy and battery price.	55.000		
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.	1.000		
HP Laptop HP 15 FD0336nia – Raptor Lake – 13th Gen Core i3 Hexa-core (6 Core) Processor 4-GB to 32GB 256GB to 2-TB SSD Intel UHD Graphics 15.6 Full HD 1080p 250nits MicroEdge Display Backlit KB or equivalent	1.500		
LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI&VGA Connectivity	0.300		
Office Furniture for ADW + VO + W.I (L.S)	4.000		
Furniture for Media Manager, GIS analyst & for Veterinary Assistant office	1.000		
Kitchen utensils and accessories for office use	0.500		

Machinery, Store, Tools & Equipment			
ITEMS	**Cost**	**2024-25**	**2025-26**
Simple Binoculars + Night vision Binoculars	0.500		
large Nets	1.000		
Photocopier	0.300		
Steel Almirah for office	1.000		
LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI & VGA Connectivity.	0.300		
Colour Printer HP latest model or equivalent.	0.200		
Multimedia Projector (2500 Lumens) with Screen latest model	1.000		
LED TV (Android) 55”	1.000		
CCTV day & night Camera System sets, with 16 No. outdoor waterproof cameras DOME H.D. / AHD, DVR 56” Screen with 15 days recording including optical fiber wire	7.000		
Motion Detector Cameras	1.000		
Binoculars (Nikon) (16 x 50) or equivalent	1.000		
Spotting Scope 80x60 or higher resolution with tripod stand.	1.000		
Photography Equipment’s L.S.	2.000		
Refrigerators	1.000		
Single Door Refrigerator	1.000		
Electric Heaters	0.300		
Microwave Oven	0.500		
Bush Cutter i/c all accessories	0.500		
Electric Vehicles	50.000		
Trapping Cameras night vision for recording of movement with accessories	2.000		
Search Lights & Safety dress / gears & mics. Safety Equipment’s	1.000		
Electric Water Cooler 10 Nos.	0.900		
Electrician Tool Kit i/c all accessories	0.200		
Welding Plant	0.500		
Wheel Chairs	5.000		
Repeater Guns.	7.200		

COMMODITIES & SERVICES			
COMPONENTS	**Cost**	**2024-25**	**2025-26**
Holding of Seminars, Trainings & field visits to groups, delegations and exposure visits to the Zoological Garden and MKK National Park	10.000		
Cost of Feed for Animals / Birds	33.000		
Cost of Chemical and Medicines	1.000		
Electricity charges	25.000		
P.O.L. charges	2.500		
Rate & Taxes	6.500		
T.A (L.S)	4.000		
Stationary Charges	4.000		
Uniforms	5.000		
Printing & Publications (L.S)	6.000		
Transport (Repair)	1.500		
Sui Gas Charges	5.000		
Publicity and advertisement charges	5.000		
Signage	10.000		
Plantation of ornamental plants along Road and pathways	5.000		
Provision of stuffed animal / related items	4.000		
Others / Unforeseen	6.000		
Awareness Campaign	5.000		
Hiring of Services Rendered for removal of Bushes / under growth and thinning / removal of trees for better vision and Public interest (Deposit work from the concerned Forest Department)	20.000		
Hiring of Services of a Third Party Consultant	15.000		
Purchase of Wildlife Animals	200.000		

ANNUAL PROCUREMENT PLAN

Sr. No.	Item	2024-25	2025-26	Total	Procurement Method	Tentative date of Notice	Tentative Date of Award	Tentative Date of Completion
1	1 No. 4x4 Double Cab Standard, Minimum, Automatic, Diesel.	17	0	17	Direct Contracting	-	-	-
2	1 No. Flat Deck Truck, Diesel engine along with steel frame for transportation / shifting of animals.	6.5	0	6.5	Direct Contracting	-	-	-
3	Snow Chain for Tyre's 10 pairs	0.5	0	0.5	Quotation	-	-	-
4	08 Nos. Motorcycles (125 cc)	0	4.0	4.0	Direct Contracting	-	-	-
5	04 Nos. Portable Transportation cages (light weight) for recovery of sick animal that could be mounted on single pickup.	0.668	2.002	2.67	Tender	15-Apr-25 15-Dec-25	15-May-25 25-Jan-26	15-June-25 19-Feb-26
6	05 Nos. Capturing cage for Mammals	1.088	1.632	2.72	Tender	15-Apr-25 15-Dec-25	15-May-25 25-Jan-26	15-June-25 19-Feb-26
7	10 Nos. Transportation Cages for Birds	2	0	2	Tender	10-Apr-25	15-May-25	22-June-25
8	06 Nos. cages for capturing / transportation of small mammals.	0	3.0	3.0	Tender	15-Dec-25	25-Jan-26	19-Feb-26
9	02 Nos. Tranquilizer Gun RD 706 Teledart with accessories or equivalent	0	3.0	3.0	Tender	15-Dec-25	25-Jan-26	4-Feb-26
10	02 Nos. Drone Cameras 12mp	0	1	1	Tender	15-Dec-26	21-Feb-26	18-Mar-26
11	30 Nos. Walky-talky sets with accessories (01 No for vehicle with accessories)	0	3	3	Tender	15-Dec-26	21-Feb-26	18-Mar-26
12	05 Nos. Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V, Frequency	0	2	2	Tender	15-Nov-25	1-Jan-26	15-Feb-26

Sr. No.	Item	2024-25	2025-26	Total	Procurement Method	Tentative date of Notice	Tentative Date of Award	Tentative Date of Completion
	50~60 Hz.							
13	01 Nos. Generator 100 KV 100 KVA brand new Perkins UK diesel generator with sound proof canopy and battery price or equivalent.	0	55	55	Tender	15-Nov-25	1-Jan-26	20-Feb-26
14	02 Nos. 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.	0	1	1	Tender	1-Jan-26	15-Feb-26	1-Apr-26
15	03 Nos. HP Laptop HP 15 FD0336nia – Raptor Lake – 13th Gen Core i3 Hexa-core (6 Core) Processor 4-GB to 32GB 256GB to 2-TB SSD Intel UHD Graphics 15.6 Full HD 1080p 250nits MicroEdge Display Backlit KB or equivalent	0	1.5	1.5	Tender	10-Sep-25	15-Oct-25	29-Nov-25
16	02 Nos. LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI&VGA	0.3	0	0.3	Quotation	-	-	

Sr. No.	Item	2024-25	2025-26	Total	Procurement Method	Tentative date of Notice	Tentative Date of Award	Tentative Date of Completion
	Connectivity							
17	Office Furniture for ADW + VO + W.I (LS)	0	4	4	Tender	1-Feb-26	5-March-26	10-Apr-26
18	Furniture for Media Manager, GIS analyst & for Veterinary Assistant office (LS)	0	1	1	Tender	1-Feb-26	5-March-26	10-Apr-26
19	Kitchen utensils and accessories for office use (LS)	0	0.5	0.5	Quotation	-	-	-
20	02 Nos. Binoculars simple + 02Nos. Night vision Binoculars	0	0.5	0.5	Quotation	-	-	-
21	03 Nos. large Nets	1	0	1	Tender	10-Apr-25	15-May-25	14-June-25
22	01 No. Photocopier	0	0.3	0.3	Quotation	-	-	-
23	08 Nos. Steel Almirah for office	0	1	1	Tender	1-Feb-26	5-March-26	1-Apr-26
24	02 Nos. LED touch screens 24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI & VGA Connectivity.	0.3	0	0.3	Quotation	-	-	-
25	01 No. Colour Printer HP latest model.	0.2	0	0.2	Petty Purchase	-	-	-
26	01 No. Multimedia Projector (2500 Lumens) with Screen latest model	1	0	1	Tender	10-Apr-25	15-May-25	22-June-25
27	03 Nos. LED TV (Android) 55”	1	0	1	Tender	10-Apr-25	15-May-25	22-June-25
28	10 Nos. CCTV day & night Camera System sets, with 16 No. outdoor waterproof cameras DOME H.D. / AHD, DVR 56” Screen with 15 days recording including optical fiber wire	0	7	7	Tender	10-Sep-25	15-Oct-25	29-Nov-25
29	15 Nos. Motion Detector Cameras	0	1	1	Tender	10-Sep-25	15-Oct-25	29-Nov-25

Sr. No.	Item	2024-25	2025-26	Total	Procurement Method	Tentative date of Notice	Tentative Date of Award	Tentative Date of Completion
30	10 Nos. Binoculors (Nikon) (16 x 50)	1	0	1	Tender	10-Apr-25	15-May-25	22-June-25
31	01 No. Spotting Scope 80x60 or higher resolution with tripod stand.	1	0	1	Tender	10-Apr-25	15-May-25	22-June-25
32	Photography Equipment's L.S.	2	0	2	Tender	10-Apr-25	15-May-25	22-June-25
33	04 Nos. Refrigerators	1	0	1	Tender	10-Apr-25	15-May-25	14-June-25
34	03 Nos. Single Door Refrigerator	1	0	1	Tender	10-Apr-25	15-May-25	14-June-25
35	15 Nos. Electric Heaters	0.3	0	0.3	Quotation	-	-	
36	05 Nos. Microwave Oven	0.5	0	0.5	Quotation	-	-	
37	05 Nos. Bush Cutter i/c all accessories	0.5	0	0.5	Quotation	-	-	
38	05 Nos. Electric Vehicles	0	50	50	Tender	1-Nov-25	15-Dec-25	30-Mar-26
39	10 Nos. Trapping Cameras night vision for recording of movement with accessories	0	2	2	Tender	1-Jan-26	15-Feb-26	1-Apr-26
40	06 Nos. Search Lights & Safety dress / gears & mics. Safety Equipment's	0	1	1	Tender	1-Jan-26	15-Feb-26	11-Apr-26
41	Electric Water Cooler 10 Nos.	0	0.9	0.9	Tender	1-Mar-26	15-Apr-26	20-May-26
42	01 No. Electrician Tool Kit i/c all accessories	0	0.2	0.2	Petty Purchase	-	-	
43	01 No. Welding Plant	0	0.5	0.5	Quotation	-	-	
44	150 Nos. Purchase of Wheel Chairs	0	5	5	Tender	1-Mar-26	15-Apr-26	20-May-26
45	06 No. Repeater Guns	0	7.2	7.2	Tender	15-Dec-25	25-Jan-26	24-Feb-26

RECRUITMENT PLAN OF HUMAN RESOURCE

Particulars	2024-25		
	April	May	June
Advertisement			
Receipt of Applications			
Scrutiny of Documents / Shortlisting of Candidates			
Test / Interview			
Selection of Candidates			
Issuance of offer letters / orders			
Medical fitness / Joining			

SELECTION CRITERIA

Sr. No.	Position	PPS	Qualification	Experience	Age Limit (Max)	Justification and Job Description
1.	Security Manager	07	Retired Army Officer (Minimum Captain)	Minimum 05 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
2.	Manager, Experience Development	07	Master's degree in Tourism, Hospitality or relevant field	Minimum 05 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 touch points of the organization. This role focuses on developing memorable, engaging experiences that align with the organization's brand, mission, and goals.
3.	Manager Horticulture	07	Master's degree in Horticulture or Botany or relevant field	Minimum 05 years of experience in landscape management or park development	40 years	Assist in the strategic development of Wildlife services including farm-produced and imported plants and gardening products. Monitor plant health, soil conditions, and irrigation systems
4.	Manager Administration	07	Master's degree in Business Administration, Management or relevant field	Minimum 05 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.
5.	Manager Veterinary	07	DVM (Doctor of Veterinary Medicine). Valid registration with PVMC.	Minimum 05 years of experience in wildlife veterinary care or related fields	40 years	Essential for providing medical cover and treatment to wildlife species. Required due to increased park infrastructure and animal population.
6.	Supervisor Wildlife	07	Master's degree in Zoology, wildlife management, Ecology, or related field	Minimum 05 years of experience in wildlife management or conservation	40 years	Maintain the number of animals in a habitat at or below the habitat's carrying capacity so that no damage is done to the animals or to their habitat.
7.	Assistant Manager Administration	06	Bachelor's degree in Business Administration Management or relevant field	Minimum 03 years of experience in administrative roles	35 years	Provides additional support to Manager Administration in all administrative functions

Sr. No.	Position	PPS	Qualification	Experience	Age Limit (Max)	Justification and Job Description
8.	Assistant Manager Veterinary	06	DVM (Doctor of Veterinary Medicine). Valid registration with PVMC.	Minimum 03 years of experience in the veterinary field.	35 years	Supports the Manager Veterinary in the care and treatment of animals and birds in the park. Required due to an expected increase in captive wildlife.
9.	Document Controller	06	Minimum 16 years' education in relevant field	At-least 02 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
10.	Wildlife Guide	05	Minimum 12 years of education with Wildlife-related training	Minimum 02 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.
11.	Electrician	05	Matric with certificate of electrician from a recognized Technical Training Institute	Minimum 02 years of experience in electrical maintenance	30 years	Required for electrical works in the park
12.	Animal Keeper	05	Intermediate (12 years of education) with training in animal handling	Minimum 02 years of experience in animal care, preferably in a park or zoo	30 years	Additional animal facilities require more animal keepers for their proper management.
13.	EV Captain	04	Matric (10 years of education) with valid driving license	Minimum 02 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
14.	Driver	04	At least middle with valid driving license	Minimum 02 years of driving experience	30 years	Needed for transporting animals, birds, and park-related tasks, especially with the acquisition of additional vehicles.
15.	Welder	04	Certificate or Diploma in Welding from recognized institute	Minimum 02 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.
16.	Office Attendant	02	Primary education	Minimum 01 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

Sr. No.	Position	PPS	Qualification	Experience	Age Limit (Max)	Justification and Job Description
17.	Gardener	02	Primary education with gardening knowledge	Minimum 01 year of experience in gardening or horticulture work	30 years	With 56 acres under intensive use, additional Malis are needed to maintain park grounds.
18.	Guard	02	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 nighttime security, as current staff is insufficient.
19.	Janitor	02	Primary education	Minimum 01 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

RESEARCH CENTER

Sr. No.	Post	PPS	Qualifications	Experience	Age Limit (Max)	Job Description
1.	Senior Scientific Officer	PPS-9	PhD in Zoology, Wildlife Ecology, or related field relevant.	Minimum 07 years of experience analytical methods/ research in relevant field. Candidates with publications in international peer reviewed journals will be preferred	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-8	Master's degree in Zoology, Wildlife & Ecology, or related field	Minimum 05 years of experience in biodiversity assessment and conservation. Experienced and strong understanding in managing databases and field surveys.	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.

Sr. No.	Post	PPS	Qualifications	Experience	Age Limit (Max)	Job Description
3.	Geneticist	PPS-8	Master's degree in Zoology, Genetics, Molecular Biology, or related field	Minimum 05 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 research findings
4.	Ecologist	PPS-8	Master's degree in Zoology, Botany, Ecology, Environmental Science, or related field	Minimum 05 years of experience in ecological research and environmental management. Candidates with publications in international peer reviewed journals will be preferred. Experience with fieldwork, modeling, and fauna surveys will be preferred.	35 years	• Study and analyze ecosystems • Develop and implement ecological management plans • Conduct field surveys • Collaborate with environmental organizations • Prepare ecological research reports
5.	Microbial Data Analyst	PPS-8	Master's degree in Zoology, Ecology, DVM, Microbiology, Parasitology or related field	Minimum 05 years of experience in data analysis, lab techniques with a focus on biological data, specifically in parasitology and microbiology.	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.
6.	Research Collaboration Coordinator	PPS-8	Master's degree in Wildlife, Zoology, Ecology, Environmental Science, or a related field.	Minimum 05 years of experience in research coordination, grant writing, or academic collaboration.	35 years	• Identify and establish international research partnerships. • Facilitate multi-institutional research projects and communication. • Support grant writing, draft MOU, and coordinate events. • Ensure compliance with international research standards and prepare collaboration reports.

Sr. No.	Post	PPS	Qualifications	Experience	Age Limit (Max)	Job Description
7.	IT Support Specialist	PPS-7	Bachelor's degree in Information Technology, Computer Science, or related field	Minimum 03 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
8.	Geospatial Analyst	PPS-7	Bachelor's degree in Geography, Environmental Science, Earth Science, Geospatial Science, Ecology, or related field	Minimum 03 years of experience in GIS, remote sensing, and spatial data analysis. Basic understanding of biodiversity.	35 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. • Manage GIS databases and integrate spatial data into research projects.
9.	Lab Technician	PPS-6	Bachelor's degree in Biology, Chemistry, or related field	Minimum 02 years in a laboratory setting. Experience with lab equipment and procedures	30 years	• Conduct laboratory tests and experiments • Maintain and calibrate equipment • Prepare and analyze samples • Record and report results • Ensure laboratory safety

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

SECRETARY

FW&F DEPARTMENT

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)**

LIST OF ANIMALS

PROPOSED STOCKS OF BIRDS EXHIBITS AT MURREE PARK

Sr. No.	Common Name	Proposed Stock		
		Male	Female	Total
1.	Green Java Peafowl	10	3	13
2.	Silver Pied Peafowl	10	3	13
3.	Yellow Golden Pheasant	20	5	25
4.	Red Golden Pheasant	20	5	25
5.	Kalij pheasant	12	4	16
6.	Reeve's pheasant	12	4	16
7.	Swinho's pheasant	12	4	16
8.	Grey peacock pheasants	12	4	16
9.	Bornean Fire back Pheasant	5	4	9
10.	White Turkey	3	4	7
11.	Black Turkey	3	4	7
12.	Brown Turkey	3	4	7
13.	Red Jungle Fowl	5	10	15
14.	Bare-faced curassow	3	3	6
15.	Helmeted Curassow	3	3	6
16.	Vulturine Guineafowl	6	6	12
17.	Crested Guinea Fowl	5	5	10
18.	Crowned Crane	3	3	6
19.	Galah Cockatoo	3	3	6
20.	Sulphur Crested Cockatoo	2	2	4
21.	Orange winged amazon	3	3	6
22.	Blossom Headed Parakeet	15	15	30
23.	African Grey Parakeet	20	20	40
24.	Blue Ring Neck Parakeet	20	20	40
25.	Gray Ring Neck Parakeet	20	20	40
26.	Australian Crested Dove	20	20	40
27.	Indian Blue Peafowl	15	2	17
28.	Pied Peafowl	15	2	17
29.	White peafowl	15	2	17

Sr. No.	Common Name	Proposed Stock		
		Male	Female	Total
30.	Black Shoulder Peafowl	15	2	17
31.	Ring Necked Pheasant	25	3	28
32.	Green Pheasant	25	3	28
33.	Silver Pheasant	15	3	18
34.	Red legged Partridge (Chukar)	25	25	50
35.	Alexandrine Parakeet	15	15	30
36.	Rose Ringed Parakeet	15	15	30
37.	Demoiselle Crane	3	3	6
	Total:	**433**	**256**	**689**

LIST OF ANIMALS

PROPOSED STOCKS OF MAMMALIAN EXHIBITS AT MURREE PARK

Sr. No.	Common Name	Proposed Stock		
		Male	Female	Total
1.	Red Deer	3	12	15
2.	Yak	3	9	12
3.	Llama	2	4	6
4.	Spotted Fellow Deer	3	12	15
5.	Common Leopard*	2	2	2
6.	Bengal Tiger*	2	2	2
7.	African Lion	1	4	5
8.	Mouflon Sheep	10	20	30
9.	Black Bear	2	2	4
10.	Olive Baboon	1	5	6
11.	Wolf*	0	7	7
	Total	**29**	**79**	**108**

***** The number may vary subject to the availability and provision by the Punjab Wildlife and Parks Department

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.

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, 04 chairs)
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	Research Staff, 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	Research Staff, Conservationists	- Data collection methods	02 Days
		- Use of technology, such as, camera traps	
		- Population monitoring	
		- Research ethics	
Environmental Education and Awareness	Guides, Community members, Conservationists	- Community engagement	01 Day
		- Conservation awareness campaigns	
		- Visitor tools	
Visitor Experience Enhancement	Guides, Visitor Services Staff	- Customer service skills	01 Day
		- Effective storytelling and interpretation	
		- Managing large visitor groups	

4(4) P.O (Cons) P&D/2024
GOVERNMENT OF THE PUNJAB
PLANNING AND DEVELOPMENT BOARD
Dated Lahore **20th February**, 2025

042-99059157

To

The Secretary,
Forestry, Wildlife & Fisheries Department,
Lahore.

Subject: **APPROVAL OF TERMS OF REFERENCE (TORs) FOR HIRING OF CONSTRUCTION SUPERVISION CONSULTANT AND TORs FOR HIRING OF DESIGN CONSULTANT UNDER THE SCHEME "REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE".**

I am directed to refer to your office letter **No. SOP(WL)1-8/2024** dated **19.02.2025** on the subject noted above and to convey the approval of **enclosed** Terms of Reference (TORs) for hiring of consultant for Construction Supervision & Consultants for Survey and Design for the scheme titled "**Revamping of Bansra Gali Zoological Garden, Murree**" duly approved by the Authority.

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

Saadia 20.2.25
(SADIA ASLAM)
Planning Officer (Consultancy-I)

CC:

i. Director General, Forestry Wildlife & Fisheries Department, Lahore.
ii. Section Officer (Wildlife), Forestry, Wildlife & Fisheries Department, Lahore w.r.t to his reference letter mentioned above.
iii. PS to Secretary, P&D Board, Lahore.
iv. PA to Sr. Chief (Consultancy) P&D, Board Lahore.
v. PA to Chief (Env. & CC), P&D Board, Lahore.
vi. Concerned file.

TERMS OF REFERENCE FOR HIRING OF DESIGN CONSULTANT

A. INTRODUCTION:

1. BACKGROUND, PREVIOUS STUDIES CONDUCTED ON THE ISSUE:

The Bansra Gali Zoological Garden is situated in Murree spreading over the area of 240 acres. The Zoological Garden serves both local residents and tourists by showcasing diverse wildlife. There is a need to modernize the zoo to align with evolving global standards for wildlife conservation and visitor engagement.

The zoo currently 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

The Punjab Wildlife and Parks Department is embarking on the development of a cutting- edge Wildlife Park at Bansra Gali Zoological Garden located in Murree. 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.

B. OBJECTIVES OF THE DESIGN CONSULTANCY:

1. OVERALL OBJECETIVES:

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

2. SPECIFIC OBJECTIVES:

The main objectives of this consultancy are to provide comprehensive 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, plumbing design, water supply, sewerage, drainage, wastewater treatment (if needed), mechanical, and electrical complete system and network design.

C. SCOPE OF WORK:

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

1. 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.

2. 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.

3. 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.

4. 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.

5. **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.

6. <u>Detailed Design & Bidding Documents:</u>

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 and 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.

- **Project Representation:** Act as the official representative of the Project Management Unit (PMU)

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- Punjab Wildlife and Parks Department throughout the project lifecycle.

- **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.

- **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.

D. 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.

1. 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 report	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

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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	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												

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E. CORE TEAM OF EXPERTS REQUIRED, INDICATING ACADEMIC

SURVEYS AND REPORTS TEAM:

SR. NO.	EXPERT POSITION NAME	NO OF POSITIONS	NO OF MONTHS	YEARS OF EXPERIENCE	JOB DESCRIPTION
1	Geo Tech Engineer	3	1	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	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	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	5	Maintain complete record and data for the files and reports during the project cycle.

SR. NO.	EXPERT POSITION NAME	NO OF POSITIONS	NO OF MONTHS	YEARS OF EXPERIENCE	JOB DESCRIPTION
5	Surveyors	5	1	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	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

DESIGN TEAM:

Sr. No.	Expert Position Name	No of Positions	No of Months	Years of Experience	Job Description
1.	Team Leader/Project Manager	1	3	15	a. Oversee the entire project, ensuring all aspects are covered. b. Coordinate the work of all team members and manage communication with the client. c. Develop and implement the project plan, timeline, and deliverables. d. Ensure the quality of all reports and analyses, including the final roadmap. Presentation of reports and related documents at forums required by the Client Agency.
2.	Horticulture Specialist	1	3	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.	Assistant Horticulture Specialist	1	3	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

Sr. No.	Expert Position Name	No of Positions	No of Months	Years of Experience	Job Description
4.	Principal Infrastructure Engineer	1	3	10	Lead and prepare the infrastructure design. Provide strategic input for infrastructure systems, utilities, and services.
5.	Principal Structure Engineer	1	3	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
6.	Senior Architect	2	3	7	Prepare and Submit Architectural Design for all required architectural elements for the wildlife park/zoo. Ensure designs meet aesthetic and functional requirements.
7.	Junior Architect	4	3	5	Assist preparation and Submission of Architectural Design for all required architectural elements for the wildlife park/zoo. Ensure designs meet aesthetic and functional requirements
8.	Senior Engineer Civil	2	3	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.

Sr. No.	Expert Position Name	No of Positions	No of Months	Years of Experience	Job Description
9.	Junior Engineer Civil	4	3	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.
10.	Principal Engineer E&M	2	3	10	Lead electrical design preparation and submission. Oversee electrical and mechanical systems design preparation and submission, ensuring compliance with standards.
11.	Senior Engineer E&M	2	3	7	Oversee electrical and mechanical systems design, ensuring compliance with standards.
12.	Junior Engineer E&M	4	3	5	Conduct Sight Visit to see the design parameters as per the requirements and standards.
13.	Land Scaping Expert	2	3	10	Provide design expertise for landscaping and architectural elements. Guide the aesthetic and functional aspects of landscaping for the project.
14.	Procurement Specialist	1	3	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

Sr. No.	Expert Position Name	No of Positions	No of Months	Years of Experience	Job Description
15.	Software Developer / IT Expert	2	3	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.
16.	Software Developer / IT Assistants	2	3	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.
17.	Document Control Manager	1	3	7	Manages the flow of documents in a company, ensuring they are accurate, secure, and compliant with regulations.
18.	Document Control Assistants	2	3	5	Assists and manages the flow of documents in a company, ensuring they are accurate, secure, and compliant with regulations.
19.	Auto-Cad Operator	4	3	5	Assists all the relevant engineers in the formations of the design drawings.

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F. 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.

G. 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).

Naadi

MUHAMMAD ADIL NADEEM
Monitoring & Evaluation
Officer, Wildlife & Parks, Punjab

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TERMS OF REFERENCE FOR HIRING OF CONSTRUCTION SUPERVISION CONSULTANT

A. INTRODUCTION:

1. BACKGROUND, PREVIOUS STUDIES CONDUCTED ON THE ISSUE:

The Bansra Gali Zoological Garden is situated in Murree spreading over the area of 240 acres. The Zoological Garden serves both local residents and tourists by showcasing diverse wildlife. There is a need to modernize the zoo to align with evolving global standards for wildlife conservation and visitor engagement.

The zoo currently 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

The Punjab Wildlife and Parks Department is embarking on the development of a cutting- edge Wildlife Park at Bansra Gali Zoological Garden located in Murree. 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.

B. OBJECTIVES OF THE RESIDENT SUPERVSION CONSULTANCY:

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

C. 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

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

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

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

- Advise PMU on the need for effective and efficient liaison with the local authorities, police, landowners, utility owners, the public and others affected by the works in

progress in order to minimize or avoid unnecessary delays or disputes.

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

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

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

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

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

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

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

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

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

D. REPORTING/DELIVERABLES WITH TIMELINES:

1. Period of Consultancy:

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

2. RESIDENT SUPERVSION CONSULTANT:

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

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TIMELINES:

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

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E. 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.
4	Assistant Resident Engineer (Civil)	1	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)	1	12	10	Master's Degree in Electrical Engineering Registered with PEC.	Oversee electrical work on-site, ensuring quality and adherence to standards.

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Sr. No.	Expert Position Name	No Of Positions	No of Months	Years of Experience	Minimum Qualification	Job Description
6	Assistant Resident Engineer (Mechanical)	1	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	1	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	1	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)	4	10	10	DAE (Civil)	Inspect and ensure construction quality on-site, following design specifications. Report any deviations or issues to the Resident Engineer.
11	Site Inspectors (Electrical)	1	10	10	DAE (Electrical)	Inspect and ensure the quality of electrical and mechanical work on-site.
12	Site Inspectors (Mechanical)	1	10	10	DAE (Mechanical)	Inspect and ensure the quality of electrical and mechanical work on-site.
13	Surveyors	3	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	1	9	10	DAE (Civil)	Manage all relative material testing, analysing and reporting of the lab tests.
16	CAD/Computer Operators/ Office Assistants	2	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

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F. 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.

G. 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).

Nadir

MUHAMMAD ADIL NADEEM
Monitoring & Evaluation
Officer, Wildlife & Parks, Punjab

IFTIKHAR HUSSAIN
CONTRACTOR

NTN# 4638842-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Wheel Chair	Standard Size Flexible and Foldable with foldable footrest, footplate design, pvc armset	52	96000	4992000
				Total	**4992000**

0302-4097009 iftikharkazmi23@gmail.com Nawab Plaza, Shop #8, Moon Market, Allama Iqbal Town, Lahore

IFTIKHAR HUSSAIN
CONTRACTOR

NTN# 4638842-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Transportation Cages	Bird Transportation Cage	10	200000	2000000
				Total	**2000000**

0302-4097009 iftikharkazmi23@gmail.com Nawab Plaza, Shop #8, Moon Market, Allama Iqbal Town, Lahore

IFTIKHAR HUSSAIN
CONTRACTOR

NTN# 4638842-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Capturing Cage	Capturing Cage for Mammals	05	540000	2700000
				Total	**2700000**

0302-4097009
iftikharkazmi23@gmail.com
Nawab Plaza, Shop #8, Moon Market,
Allama Iqbal Town, Lahore

IFTIKHAR HUSSAIN
CONTRACTOR

NTN# 4638842-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Transportation Cage	Transportation Cage for Small Mammals	06	500000	3000000
				Total	**3000000**

0302-4097009 iftikharkazmi23@gmail.com Nawab Plaza, Shop #8, Moon Market, Allama Iqbal Town, Lahore

IFTIKHAR HUSSAIN
CONTRACTOR

NTN# 4638842-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Drone Camera	Drone Cameras with complete accessories 12 mp	02	500000	1000000
				Total	**1000000**

0302-4097009 iftikharkazmi23@gmail.com Nawab Plaza, Shop #8, Moon Market, Allama Iqbal Town, Lahore

IFTIKHAR HUSSAIN
CONTRACTOR

NTN# 4638842-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Net	Large Nets	3	332000	996000
				Total	**996000**

0302-4097009 iftikharkazmi23@gmail.com Nawab Plaza, Shop #8, Moon Market, Allama Iqbal Town, Lahore

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Welding Plant	01	500000	500000
			Total	**500000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

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QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Electrician Tool Kit With complete accessories	01	200000	200000
			Total	**200000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
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0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Electric Water Cooler	10	90000	900000
			Total	**900000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Safety Dress	6	80000	480000
2.	Search Lights	10	25000	250000
3.	Fire Extinguisher	6	40000	240000
4.	Safety Googles	6	5000	30000
			Total	**1000000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Trapping Cameras Night Vision	10	200000	2000000
			Total	**2000000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Bush Cutter Including all accessories	05	100000	500000
			Total	**500000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Microwave Oven I Zone	05	100000	500000
			Total	**500000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Electric Heaters	15	20000	300000
			Total	**300000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Refrigerators Single Door I Zone	03	330000	990000
			Total	**990000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Spotting Scope 80x60 or higher resolution with tripod stand.	01	1000000	1000000
			Total	**1000000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Binoculors (Nikon) (16 x 50)	10	100000	1000000
			Total	**1000000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Motion Detector Cameras	15	66000	990000
			Total	**990000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Binoculars simple	02	70000	140000
2.	Binoculars Night Vision	02	180000	360000
			Total	**500000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Snow Chain For Tyres (Pairs)	10	50000	500000
			Total	**500000**

AQ & CO

AQ & CO
Contractor & General Order Supplier

192, New Anarkali Lahore
muhammad.qasim98888@gmail.com
0322-4282329

QUOTATION

Sr#	Item / Description	Qty	Rate	Amount
1.	Photograph Camera Nikon with lense	01	1400000	1400000
2	Relector	02	50000	100000
3	Tripod	01	150000	150000
4	Memory Card & Batteries	02	75000	150000
5	Misc Equipments	01 job	200000	200000
			Total	**2000000**

AQ & CO

IRFAN &
BROTHERS

Ref: _____

NTN # 7428005-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Desktop Computer Dell	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	500000	1000000
				Total	**1000000**

IRFAN & BROTHERS

Ref: _____

NTN # 7428005-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	HP Laptop	HP 15 FD0336nia – Raptor Lake – 13th Gen Core i3 Hexa-core (6 Core) Processor 4-GB to 32GB 256GB to 2-TB SSD Intel UHD Graphics 15.6 Full HD 1080p 250nits MicroEdge Display Backlit KB	3	500000	1500000
				Total	**1500000**

IRFAN &
BROTHERS

Ref: _____

NTN # 7428005-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	LED Touch Screen	24 to 30 inches, 16:9 aspect ratio, 1920 x 1080, HDMI&VGA Connectivity	2	150000	300000
				Total	**300000**

IRFAN & BROTHERS

Ref: _____

NTN # 7428005-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Office Furniture	Tables Executive	5	140000	700000
2	Office Furniture	Chair Executive	5	75000	375000
3	Office Furniture	Visitor Chairs	38	46970	1784860
4	Office Furniture	Office Table	6	85000	510000
5	Office Furniture	Conference Table	1	250000	250000
6	Office Furniture	Compute Table	2	70000	140000
7	Office Furniture	Computer Chairs	4	60000	240000
				Total	**3999860**

IRFAN & BROTHERS
Govt. Contractor & General Order Supplier

0300-0888042, 0322-4282329
Email: khanghufran1987@gmail.com
Head Office: 43-B, AbuBakar Block Garden Town, Lahore
Workshop: Lal pur Faisal Park near Usman Saleem Hospital

IRFAN &
BROTHERS

Ref: _____

NTN # 7428005-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Office Furniture Media Manager	Tables Executive	2	140000	280000
2	Office Furniture Media Manager	Chair Executive	2	75000	150000
3	Office Furniture Media Manager	Visitor Chairs	12	46970	563640
				Total	**993640**

IRFAN & BROTHERS
Govt. Contractor & General Order Supplier

0300-0888042, 0322-4282329
Email: khanghufran1987@gmail.com
Head Office: 43-B, AbuBakar Block Garden Town, Lahore
Workshop: Lal pur Faisal Park near Usman Saleem Hospital

IRFAN &
BROTHERS

Ref: _____

NTN # 7428005-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Steel Almira	Steel Almirah Medium Size	08	125000	1000000
				Total	**1000000**

IRFAN &
BROTHERS

Ref: _____

NTN # 7428005-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	Multimedia Projector	(2500 Lumens) with Screen latest model	01	1000000	1000000
				Total	**1000000**

IRFAN & BROTHERS
Govt. Contractor & General Order Supplier

0300-0888042, 0322-4282329
Email: khanghufran1987@gmail.com
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Workshop: Lal pur Faisal Park near Usman Saleem Hospital

IRFAN &
BROTHERS

Ref: _____

NTN # 7428005-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	LED	LED TV (Android) 55	03	332500	997500
				Total	**997500**

IRFAN & BROTHERS

Ref: _____

NTN # 7428005-8

QUOTATION

Sr#	Item Name	Description	Qty	Rate	Amount
1.	CCTV	CCTV 4 MP Cameras	10	50000	500000
2	CCTV	CCTV 4 MP outdoor Doom Water Proof	16	140000	2240000
3	DVR	DVR 36 Channel	2	950000	1900000
4	LED	Screen 56”	2	480000	960000
5	Storage	HDD Drives	8	45000	360000
6	Cable	Cat 6 Cable	6	90000	540000
7		Labour Charges	1	500000	500000
				Total	**7000000**

IRFAN & BROTHERS
Govt. Contractor & General Order Supplier

0300-0888042, 0322-4282329
Email: khanghufran1987@gmail.com
Head Office: 43-B, AbuBakar Block Garden Town, Lahore
Workshop: Lal pur Faisal Park near Usman Saleem Hospital

Xplore Technologies

69-The Mall road Lahore
Sadiq plaza first floor office #12
Phone no.: 042-36364809
Email: ali.raza@xploretech.pk

QUOTATION

Invoice Details

Invoice No.: 600
Date: 21-01-2025

#	Item name	Quantity	Unit
1	4MP Bullet Outdoor Camera	16	Pcs
2	4MP Indoor Doom Camera	10	Pcs
3	32CH NVR 4K	2	Pcs
4	8TB Hard Drive Surveillance	2	Pcs
5	Water Proof box	19	Pcs
6	ONV H1108PLS	3	Pcs
7	BD Com 8port GIGABYTE	1	Pcs
8	RJ 45 connector	60	Pcs
9	1U Rack	3	Pcs
10	6U Rack Double section	1	Pcs
11	LED MuLtyNet 55"	1	Pcs
12	Cat6 HIKVISION 23Awg	610	Mtr
13	PVC Duct	460	Sqf
14	2 core Power cable	1	Pcs
15	Flexible Pipe	1	Pcs
16	Installation & Service Charges	19	Pcs
	Total	1201	

Sub Total	Rs, 6,549,000
TOTAL WITH TAXES	Rs, 6,549,000

For: Xplore Technologies

Authorized Signatory

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RAAH E DEEN ENGINEERING

National Tax. No: 5910442-7

Ref: RD/RFQ472/2025 Date: 21-1-2025

M/S: WILDLIFE

Sub: Quotation of 05 Nos. Generator 6KV and 01 Nos. Generator 100 KV diesel generator with sound proof canopy and battery price.

:

Dear Sir,

Reference to your subjected enquiry; we are pleased to quote our price for the supply of Diesel Generator set for your kind consideration. Details are as under.

Supply installation and testing of 05 Nos. Generator 6KV with dual fuel system, Fuel Tank 18 Lit, Average 1 L/45 min, output 220 V, Frequency 50~60 Hz.
COST: 1.871 Million

Supply installation and testing of 01 Nos. Generator 100 KV 100 KVA brand new Perkins UK diesel generator or equivalent with sound proof canopy and battery price.
COST: 51.455 MILLION

Original Technical Specifications are also attached.

Looking forward to your favorable response

In case of any further assistance regarding any inquiry/information please feel free to contact us.

Best regards,

M. Ali Ashraf

CEO

0300-4119863

TECHNICAL SPECIFICATIONS & REQUIREMENTS

1. Genset & Allied Specifications

1.1. Engine Specifications

Rated output (PRP)	80KW/100KVA
Rated output (ESP)	88KW/110KVA
No of Cylinders	4/6
Cycle	4
Aspiration	Turbo Charger & After Cooler
Cooling method	Water
Governing type	Electronic
Electrical Starting System	24 V DC, starter motor
Engine Make	Caterpillar, Perkins and Volvo or eq. (imported)
RpM	1500
Fuel System	Direct injection

1.2. Air System

1.2.1. Air Filter type — Dry Element

1.3. Cooling System

Ambient Design	50 C
Water Pump Type	Centrifugal- Engine Driven
Radiator and Cooling fab with complete protection/guards	

1.4. Lubrication System

Oil Filter Type	Spin on full flow filter
Oil Type	SAE 15W-40
Oil Drain lines with valve.	Available

1.5. Fuel System

Fuel Filter	Spin on full flow filter with water separator
Fuel Type	Diesel
Fuel Consumption is to be regulated as per load on it. It should be regulated through electric governing system	

1.6. Exhaust System

Muffler type	Residential Grade – Imported

1.7. Alternator Specifications

Rated Output (Prime)	80 KW/100 KVA
Rated Output (Standby)	72 KW/90 KVA (min)
Alternator Make & Model	Stamford UK or equivalent
No of Poles	4
Insulation Class	H
Temp Rise Class	H
Ingress Protection Rating	IP 23
Exciting System	Self-Excited
AVR	Built in the control System of Generator
Voltage	380-440 V
Power Factor	0.8
Frequency	50Hz
Phase	3 Phase
Battery with Battery cables Plus charger	As per OEM recommendation and from OEM make

1.8. Controller Specifications

Controller Make & Model	CAT/DeepSea or equivalent (imported)
Display	LCD
Ingress Protection Rating	IP 55
Measurements	Vac, A, Hz, KVA, KW, VDc
Event log	Alarms log, Hrs Log, Error Code
Communication	USB
Emergency Push Stop button	Yes
Multifunctional digital control system	Yes
User interface panel	Yes
AMF	Built in control panel from OEM

1.9. Enclosure Specifications

Enclosure Type	Acoustic & Weather Proof of local make Seagul Engineering/ AK engineering.
Anticorrosive Protections	Epoxy paint
Polyester Powder Coated Galvanized Sheet	Yes
Ingress Protection Rating	IP 23
The noise level should not be more than 75 dBaat distance of 1 m from the generator	

1.10. Fuel Tank & Mounting Specifications

Formed steel base with integral fuel tank of minimum 250 L capacity if base tank is not sufficient for 250 litre capacity then vendor will provide extra fuel tank along with piping, fittings and installation
Linear vibration Isolator between base and engine – generator

1.11. Alternator and Engine Coupling Specifications

Coupling of Engine and Alternator should be from OEM

1.12. Safety Devices/Alarm Requirements

All automatic protection arrangements against overheating, inadequacy of lubrication, high coolant, temperature, over speed etc. plus safety to personnel and equipment should be provided. The audible alarmshall operate on any fault condition and shall be resettable manually and automatically through a timer after 15 minutes whichever is earlier: Following safety devices shall be provided. A = Alarm SD = Shutdown TD = Adjustable Time Delay After shut down, the set shall lockout and it shall not be possible to start it unless manually reset after the cause of fault has been removed	
Engine Over speed	A, SD (TD=0-2 min.)
Low lube oil pressure	A, SD
High water temperature	A, SD
Over voltage	A, SD (TD=0-30 Sec)
Under voltage	A
Short circuit and tripping of circuit breaker	A, SD (TD=0-1 min.)
Low level in fuel day tank	A, SD (TD=0-5 min.)
High level in fuel day tank	A -
Charger failure	A -
Winding temperature high	A, SD
Over crank	A, SD
Charging alternator failure	A -
Low coolant level	Alarm or shutdown

1.13. ATS with MoR Panel

ATS Panel with MoR	DB Best Quality (Local) Breakers and magnetic Contactor should be of Original Schneider, ABB or Mitsubishi only. Proof of originality certificate

1.14. Electric Cables

- All power & control cables shall be of copper of make Pakistan Cables to be used for Generator Installation and connectivity from ATS tomain DB of building.

1.15. Others

- Operating Manual
- Standard tool set
- 2 x service sets for the Generator

Note:

i. Specifications of the quoted new and latest model of generator Caterpillar, Cummins, FG Wilson or Eq from OEM must comply with above mention technical specifications.

ii. Please attach printed brochures of the quoted model, ATS panel, AMF Panel, control panel, sound/weatherproof canopy along with the technical submittal.

iii. Bidder will submit the compliance certificate of technical specifications

iv. PTA can verify the submitted documents and ask vendor to arrange visits for the pre-inspection of the item at contractor site before delivery at the cost of vendor.

Power and Control cables will be charges as per actual consume at site.

Delivery:

90-120 days for Generator & UPS

Payments:

70% Advance. 30% before delivery after factory inspection.

Validity of Offer:

Two weeks from the date of this quotation.

Standard Warranty:

1 Year or 1000 hours whichever comes first, against any manufacturing fault.

After Sales Services:

We have professionally trained Service Engineers to give you prompt and efficient after sales services. Our service department also offers Annual Maintenance Contracts to clients for a smooth/trouble free running of the supplied Generator. Wecan also fulfill the spare parts requirement of our customers.

Note:

Any new addition in taxes / duties / freight applicable to importation or sales of the related product implemented by the act of Govt. / International Agencies or Devaluation of Pak Rupees will be on Buyer's account in addition to the prices quoted.

RAAH-E-DEEN ENGINEERING
Proprietor

RAAH E DEEN ENGINEERING

ROUGH COST ESTIMATE
SUMMARY OF COST
BANSRA GALI WILDLIFE PARK
GENERAL ABSTRACT OF COST

SR.No	DESCRIPTION	AMOUNT (RS.) Current
1	Construction & Development of Thematic Entry Gate of Bansra Gali Zoological Garden.	18,750,000.00
2	Development of Car Parking Areas for 100 cars.	300,000,000.00
3	Construction of An Information Center Building with Toilet Block.	20,000,000.00
4	Conversion of Existing Museum into an Integrated High Tech Research and Educational Centre.	15,000,000.00
5	Development of New Enclosures.	167,750,000.00
6	Rehabilitation of Existing Enclosures.	50,000,000.00
7	Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Zoological Garden	20,000,000.00
8	Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack.	900,000,000.00
9	Construction of the Café(s).	50,000,000.00
10	Development of the Elevated Wooden Deck for View Point	10,235,000.00
11	Development of Fully Functional Tree Houses.	30,846,020.00
12	Construction of the State of the Art Eco-lodges. 1Bed;2 Bed	146,406,250.00
13	Construction & Development of the Glamping Pods.	72,028,357.65
14	Development of Children Play Area.	5,000,000.00
15	Development of the Stair Case to connect With the Existing Stair Case.	5,000,000.00
16	Renovation/Construction of Housing Quarters/Houses for Zoological Garden Staff.	10,000,000.00
17	Construction of Toilet Blocks at Different Locations within the Zoological Garden.	30,000,000.00
18	External Electrification Network complete in all respects	380,000,000.00
19	Providing And Laying Of Sewerage Pipe lines and manholes where required for the assets and utilities.	350,632,064.65
20	Boundary Fencing of Zoological Garden and Zones where Required.	76,722,800.00
21	Revamping and Development of the EV Tracks within the Zoological Garden.	10,000,000.00
22	Construction And Development of Star Gazing Tower in the Eco Lodges Zone.	10,000,000.00

ROUGH COST ESTIMATE
SUMMARY OF COST
BANSRA GALI WILDLIFE PARK
GENERAL ABSTRACT OF COST

SR.No	DESCRIPTION	AMOUNT (RS.) Current
23	I.T. Equipment for complete project	242,618,950.36
24	Construction of Amphitheatre for capacity of 50 persons (1600 Sft.)	15,000,000.00
25	Conversion of existing enclosure into Veterinary Clinic	10,000,000.00
26	Quick Response Centre with Ambulance	5,000,000.00
	Total Cost	**2,950,989,442.64**
	PRA Tax @ 5% of Conservancy and Works Cost "B"	**147,549,472.13**
	Contingency @ 2% of Conservancy and Works Cost "B"	**59,019,788.85**
	TOTAL	**3,157,558,703.63**
	Design Consultancy Fee @ 1.5% and Surveys/Studies Fee@ 0.5%	59,019,788.85
	Resident Supervison Consultant Fee @ 1%	29,509,894.43
	Total Consultant Fee "C"	**88,529,683.28**
	GRAND TOTAL	**3,246,088,386.90**

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	18,750,000	
	Grand.Total	**18,750,000**	**18,750,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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

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	1,045.50	15.84	16,560.72
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	522.75	7.56	3,953.56
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	361.00	31.78	11,471.68
	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	81.13	355.28	28,822.09
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	29.78	128.37	3,823.18
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	15.34	480.22	7,367.78
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)				
		Foundation	P.Cft	146.00	670.00	97,820.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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

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	220.75	817.55	180,474.16
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	1,027.25	360.40	370,220.90
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	66.00	131.27	8,663.82
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	132.00	83.62	11,037.84
	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	457.19	398.63	182,248.65
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	1,462.00	438.13	640,546.06
	9. ROOFING					
14	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	196.00	190.34	37,306.64

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
15	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	2.00	1,180.25	2,360.50
16	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	24.00	495.50	11,892.00
17	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	Each	2.00	1,408.00	2,816.00
18	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	2.00	702.65	1,405.30
	10. FLOORING					
19	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	29.78	57.87	1,723.51
20	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	90.25	457.30	41,271.33
21	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	19.00	458.70	8,715.30
	11. SURFACE RENDERING					
22	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	90.25	53.77	4,852.74
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	418.00	47.30	19,771.40
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	1,792.00	63.63	114,024.96
25	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	508.25	3.98	2,022.84
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	508.25	8.65	4,396.36

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		ii) two coats	P.Sft	508.25	11.99	6,093.92
	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	24.50	485.35	11,891.08
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	24.50	954.35	23,381.58
28	12/22	Providing and fixing, approved quality mortice lock.	Each	1.00	1,114.50	1,114.50
29	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	1.00	178.85	178.85
	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	1,792.00	47.52	85,155.84
		ii) 2nd coat	P.Sft	1,792.00	26.69	47,828.48
	25. IRON WORK					
31	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	22.50	1,312.45	29,530.13

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
32	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	11.25	544.15	6,121.69
33	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	22.50	1,251.00	28,147.50
34	25/30	Making and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre.	P.Sft	266.63	2,391.65	637,673.68
35	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 including Erection and fitting in position iron trusses, staging of water tanks, etc.	P.Kg	550.00	394.20	216,809.18
	26. MISCELLANEOUS					
36	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	446.00	12.55	5,597.30
		Amount for Civil Works				2,915,093.02
		Estimated amount for Non-Schedule & Post Detail Design				15,834,906.98
		G.Total				**18,750,000.00**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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	44.00	3.00	3.00	792.00	
	Short Wall A	2	6.50	6.50	3.00	253.50	
					Total:	**1,045.50**	Cft
2	**Filling, watering and ramming earth under floor:-**	50%	1045.50			**522.75**	
3	**Filling, watering and ramming earth under floors:-**						
	Guard Room	1	9.50	9.50	4.00	361.00	
					Total:	**361.00**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	44.00	3.00	0.25	66.00	
	Short Wall A	2	5.50	5.50	0.25	15.13	
					Total:	**81.13**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Guard Room	1	9.50	9.50	0.33	29.78	
					Total:	**29.78**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Guard Room	1	9.50	9.50	0.17	15.34	
					Total:	**15.34**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	44.00	2.50	0.50	110.00	
	Short Wall A	2	6.00	6.00	0.50	36.00	
					Total:	**146.00**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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 Bemas**						
		1	44.00	0.75	0.75	24.75	
ii	**RCC on ROOF Slab**						
		2	14.00	14.00	0.50	196.00	
					Total	**220.75**	Cft
9	**Reinforcement**						
	RCC Footing	1	146.00	2.50	Per Cft	365.00	
	Superstructural	1	220.75	3.00	Per Cft	662.25	
					Total	**1,027.25**	Kg
10	**Horizontal DPC**						
	Long Wall A	2	44.00	0.75		66.00	
					Total:	**66.00**	Sft
11	**Vertical DPC**						
	Long Wall A	2	44.00		1.50	132.00	
					Total:	**132.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	44.00	1.50	0.50	66.00	
	Short Wall A	2	5.50	5.00	0.50	27.50	
	2nd Steps						
	Long Wall A	2	44.00	1.13	0.50	49.50	
	Short Wall A	2	4.75	4.25	0.50	20.19	
	3rd Steps						
	Long Wall A	2	44.00	0.75	3.00	198.00	
	Short Wall A	2	4.00	4.00	3.00	96.00	
					Total:	**457.19**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
13	**Brick masonry in super structure**						
	Ground Floor						
	Long Wall A	2	44.00	0.75	11.00	726.00	
	Short Wall A	2	4.00	4.00	23.00	736.00	
					Total:	**1,462.00**	Cft
14	**Roof water proofing**						
	Roof Area	1	196.00	Sft		196.00	
					Total:	**196.00**	Sft
15	**Khurras on roof**						
	Roof	2	1.00			2.00	
					Total:	**2.00**	Nos
16	**Rain water Down Pipe**						
		2	12.00			24.00	
					Total	**24.00**	Rft
17	**Rain water down pipe cast iron head**						
	Roof	2	1.00			2.00	
					Total:	**2.00**	Nos
18	**Rain water down pipe cast iron Shoes, bends**						
	Roof	2	1.00			2.00	
					Total:	**2.00**	Nos
19	**Sand filling**						
	Guard Room	1	9.50	9.50	0.33	29.78	
					Total:	**29.78**	**Cft**
20	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Guard Room	1	9.50	9.50		90.25	
					Total	**90.25**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
21	**Wall skirting**						
	Guard Room	2	9.50		0.50	9.50	
		2	9.50		0.50	9.50	
					Total	**19.00**	Sft
22	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Guard Room	1	9.50	9.50		90.25	
					Total	**90.25**	Sft
23	**Internal Wall Plaster**						
i	**Ground Floor**						
	Guard Room	2	9.50		11.00	209.00	
		2	9.50		11.00	209.00	
					Total	**418.00**	Sft
24	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
		2	44.00	Rft	12.00	1,056.00	
	Short Wall A	2	16.00	Rft	23.00	736.00	
					Total	**1,792.00**	Sft
25	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					90.25	
	Qty as per internal plaster of walls					418.00	
					Total	**508.25**	Sft
26	**M.S chowkat**						
i	**Ground Floor**						
	Door 1	1	3.50		7.00	24.50	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

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	**24.50**	Sft
27	**Soild Core Door**						
i	**Ground Floor**						
	Door 1	1	3.50		7.00	24.50	
					Total	**24.50**	Sft
28	**Mortice Lock**						
i	Ground Floor	1				1.00	
					Total	**1.00**	**No**
29	**Door Stops**						
i	Ground Floor	1				1.00	
					Total	**1.00**	**No**
30	**Weathersheild paint**						
i	**Ground Floor**						
	Qty as per External plaster of walls					1,792.00	
					Total	**1,792.00**	Sft
31	**Aluminium Window**						
i	**Ground Floor**						
	Window	1	5.00		4.50	22.50	
					Total	**22.50**	Sft
32	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per item 34	1	22.50	50%		11.25	
					Total	**11.25**	Sft
33	**M.S. flat grill**						
i	**Ground Floor**						
	Qty same as per item 34	1	22.50			22.50	
					Total	**22.50**	Sft
34	**Steel Gate**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of Thematic Entry Gate of Bansra Gali Wildlife Park.

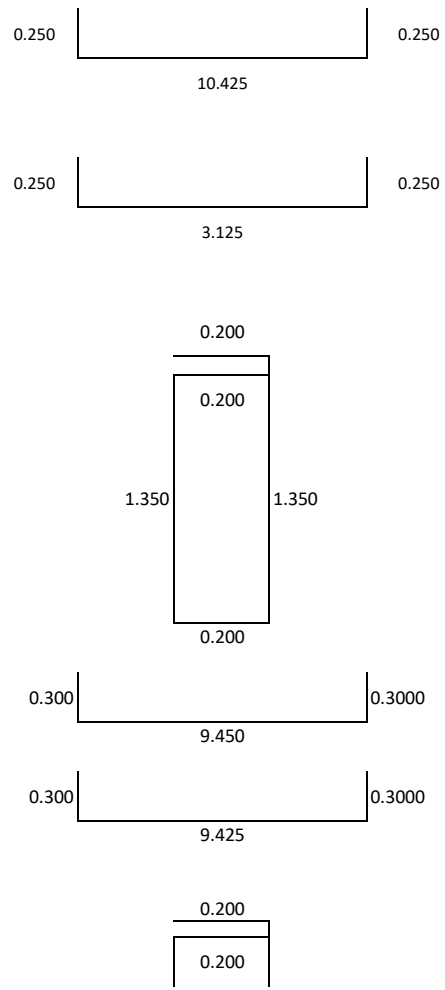
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Gate	1	19.75		13.50	266.63	
					Total:	**266.63**	**Sft**
35	**Front Monogram**						
		1	22.00		5.00	110.00	
					Total:	**110.00**	**Sft**
			5 Kg per Sft		**Total:**	**550.00**	**Kg**
36	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	8.00	8.00		128.00	
	Short Wall A	2	7.00	3.00		42.00	
	sides						
	Long Wall A	8	8.00		3.00	192.00	
	Short Wall A	4	7.00		3.00	84.00	
					Total:	**446.00**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

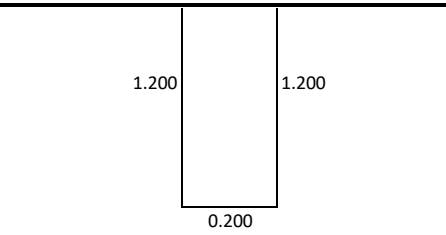
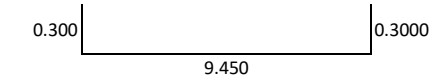
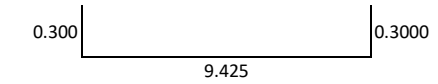
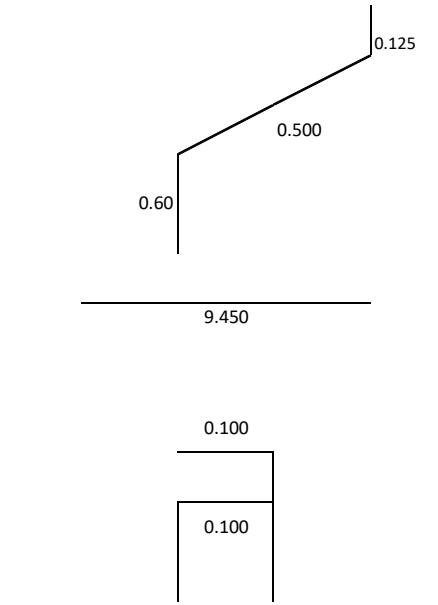
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	
	Long Wall -2 Channel Side										



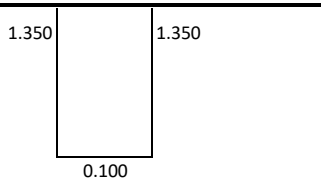
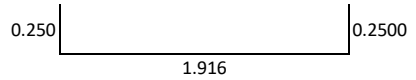
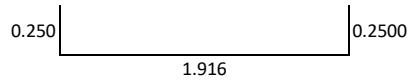
Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	11	32	3.00	95.220	0.888	84.56	

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
											
10	Distribution bar outerside @ 200mm c/c	12mm		2	3	6	2.42	14.496	0.888	12.87	
11	Distribution bar inerside @ 200mm c/c	12mm		2	3	6	2.42	14.496	0.888	12.87	
									Total	**1027.25**	

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	300,000,000	
	Grand.Total	**300,000,000**	**300,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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

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	1,045.50	15.84	16,560.72
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	522.75	7.56	3,953.56
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	361.00	31.78	11,471.68
	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	81.13	355.28	28,822.09
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	29.78	128.37	3,823.18
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	15.34	480.22	7,367.78
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)				
		Foundation	P.Cft	146.00	670.00	97,820.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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

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	220.75	817.55	180,474.16
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	1,027.25	360.40	370,220.90
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	66.00	131.27	8,663.82
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	132.00	83.62	11,037.84
	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	457.19	398.63	182,248.65
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	1,462.00	438.13	640,546.06
	9. ROOFING					
14	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	196.00	190.34	37,306.64

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
15	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	2.00	1,180.25	2,360.50
16	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	24.00	495.50	11,892.00
17	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	Each	2.00	1,408.00	2,816.00
18	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	2.00	702.65	1,405.30
	10. FLOORING					
19	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	29.78	57.87	1,723.51
20	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	90.25	457.30	41,271.33
21	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	19.00	458.70	8,715.30
	11. SURFACE RENDERING					
22	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	90.25	53.77	4,852.74
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	418.00	47.30	19,771.40
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	1,792.00	63.63	114,024.96
25	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	508.25	3.98	2,022.84
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	508.25	8.65	4,396.36

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		ii) two coats	P.Sft	508.25	11.99	6,093.92
	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	24.50	485.35	11,891.08
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	24.50	954.35	23,381.58
28	12/22	Providing and fixing, approved quality mortice lock.	Each	1.00	1,114.50	1,114.50
29	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	1.00	178.85	178.85
	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	1,792.00	47.52	85,155.84
		ii) 2nd coat	P.Sft	1,792.00	26.69	47,828.48
	25. IRON WORK					
31	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	22.50	1,312.45	29,530.13

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
32	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	11.25	544.15	6,121.69
33	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	22.50	1,251.00	28,147.50
34	25/30	Making and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre.	P.Sft	266.63	2,391.65	637,673.68
35	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 including Erection and fitting in position iron trusses, staging of water tanks, etc.	P.Kg	550.00	394.20	216,809.18
	26. MISCELLANEOUS					
36	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	446.00	12.55	5,597.30
		Amount for Civil Works				2,915,093.02
		Estimated amount for Non-Schedule & Post Detail Design				297,084,906.98
		Total				**300,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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	44.00	3.00	3.00	792.00	
	Short Wall A	2	6.50	6.50	3.00	253.50	
					Total:	**1,045.50**	Cft
2	**Filling, watering and ramming earth under floor:-**	50%	1045.50			**522.75**	
3	**Filling, watering and ramming earth under floors:-**						
	Guard Room	1	9.50	9.50	4.00	361.00	
					Total:	**361.00**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	44.00	3.00	0.25	66.00	
	Short Wall A	2	5.50	5.50	0.25	15.13	
					Total:	**81.13**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Guard Room	1	9.50	9.50	0.33	29.78	
					Total:	**29.78**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Guard Room	1	9.50	9.50	0.17	15.34	
					Total:	**15.34**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	44.00	2.50	0.50	110.00	
	Short Wall A	2	6.00	6.00	0.50	36.00	
					Total:	**146.00**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
8	**RCC in roof slab, beam, column & other structural members**						
i	**Plinth Bemas**						
		1	44.00	0.75	0.75	24.75	
ii	**RCC on ROOF Slab**						
		2	14.00	14.00	0.50	196.00	
					Total	**220.75**	Cft
9	**Reinforcement**						
	RCC Footing	1	146.00	2.50	Per Cft	365.00	
	Superstructural	1	220.75	3.00	Per Cft	662.25	
					Total	**1,027.25**	Kg
10	**Horizontal DPC**						
	Long Wall A	2	44.00	0.75		66.00	
					Total:	**66.00**	Sft
11	**Vertical DPC**						
	Long Wall A	2	44.00		1.50	132.00	
					Total:	**132.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	44.00	1.50	0.50	66.00	
	Short Wall A	2	5.50	5.00	0.50	27.50	
	2nd Steps						
	Long Wall A	2	44.00	1.13	0.50	49.50	
	Short Wall A	2	4.75	4.25	0.50	20.19	
	3rd Steps						
	Long Wall A	2	44.00	0.75	3.00	198.00	
	Short Wall A	2	4.00	4.00	3.00	96.00	
					Total:	**457.19**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
13	**Brick masonry in super structure**						
	Ground Floor						
	Long Wall A	2	44.00	0.75	11.00	726.00	
	Short Wall A	2	4.00	4.00	23.00	736.00	
					Total:	**1,462.00**	Cft
14	**Roof water proofing**						
	Roof Area	1	196.00	Sft		196.00	
					Total:	**196.00**	Sft
15	**Khurras on roof**						
	Roof	2	1.00			2.00	
					Total:	**2.00**	Nos
16	**Rain water Down Pipe**						
		2	12.00			24.00	
					Total	**24.00**	Rft
17	**Rain water down pipe cast iron head**						
	Roof	2	1.00			2.00	
					Total:	**2.00**	Nos
18	**Rain water down pipe cast iron Shoes, bends**						
	Roof	2	1.00			2.00	
					Total:	**2.00**	Nos
19	**Sand filling**						
	Guard Room	1	9.50	9.50	0.33	29.78	
					Total:	**29.78**	**Cft**
20	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Guard Room	1	9.50	9.50		90.25	
					Total	**90.25**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
21	**Wall skirting**						
	Guard Room	2	9.50		0.50	9.50	
		2	9.50		0.50	9.50	
					Total	**19.00**	Sft
22	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Guard Room	1	9.50	9.50		90.25	
					Total	**90.25**	Sft
23	**Internal Wall Plaster**						
i	**Ground Floor**						
	Guard Room	2	9.50		11.00	209.00	
		2	9.50		11.00	209.00	
					Total	**418.00**	Sft
24	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
		2	44.00	Rft	12.00	1,056.00	
	Short Wall A	2	16.00	Rft	23.00	736.00	
					Total	**1,792.00**	Sft
25	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					90.25	
	Qty as per internal plaster of walls					418.00	
					Total	**508.25**	Sft
26	**M.S chowkat**						
i	**Ground Floor**						
	Door 1	1	3.50		7.00	24.50	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
					Total	**24.50**	Sft
27	**Soild Core Door**						
i	**Ground Floor**						
	Door 1	1	3.50		7.00	24.50	
					Total	**24.50**	Sft
28	**Mortice Lock**						
i	Ground Floor	1				1.00	
					Total	**1.00**	**No**
29	**Door Stops**						
i	Ground Floor	1				1.00	
					Total	**1.00**	**No**
30	**Weathersheild paint**						
i	**Ground Floor**						
	Qty as per External plaster of walls					1,792.00	
					Total	**1,792.00**	Sft
31	**Aluminium Window**						
i	**Ground Floor**						
	Window	1	5.00		4.50	22.50	
					Total	**22.50**	Sft
32	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per item 34	1	22.50	50%		11.25	
					Total	**11.25**	Sft
33	**M.S. flat grill**						
i	**Ground Floor**						
	Qty same as per item 34	1	22.50			22.50	
					Total	**22.50**	Sft
34	**Steel Gate**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Car Parking Areas for 100 cars.

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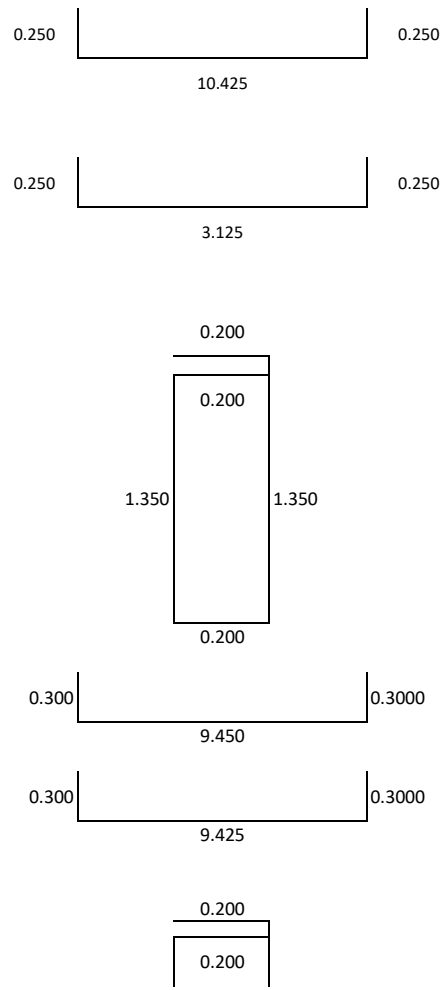
Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Gate	1	19.75		13.50	266.63	
					Total:	**266.63**	**Sft**
35	**Front Monogram**						
		1	22.00		5.00	110.00	
					Total:	**110.00**	**Sft**
			5 Kg per Sft		**Total:**	**550.00**	**Kg**
36	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	8.00	8.00		128.00	
	Short Wall A	2	7.00	3.00		42.00	
	sides						
	Long Wall A	8	8.00		3.00	192.00	
	Short Wall A	4	7.00		3.00	84.00	
					Total:	**446.00**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

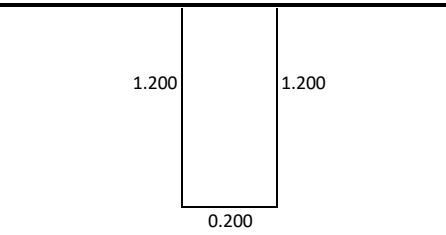
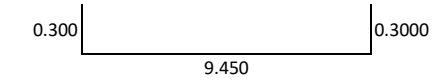
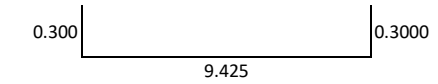
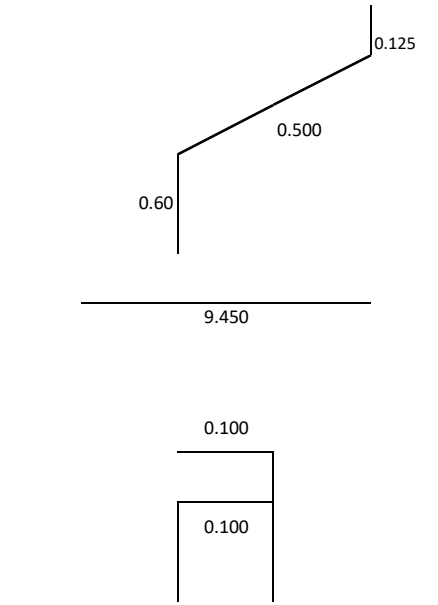
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	
	Long Wall -2 Channel Side										



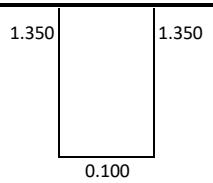
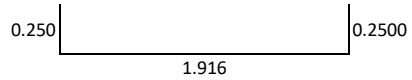
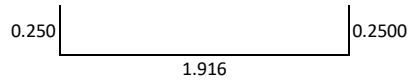
Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	11	32	3.00	95.220	0.888	84.56	

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
											
10	Distribution bar outerside @ 200mm c/c	12mm		2	3	6	2.42	14.496	0.888	12.87	
11	Distribution bar inerside @ 200mm c/c	12mm		2	3	6	2.42	14.496	0.888	12.87	
									Total	**1027.25**	

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet Block

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	20,000,000	
	Grand.Total	**20,000,000**	**20,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet Block

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

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	1,436.50	15.84	22,754.16
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	574.60	7.56	4,345.70
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	909.10	31.78	28,888.93
	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	127.75	355.28	45,387.02
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	143.47	128.37	18,416.92
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	73.91	524.86	38,791.09
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)				
		Foundation	P.Cft	209.00	670.00	140,030.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet Block

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

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	631.75	817.55	516,487.21
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	3,365.38	360.40	1,212,881.15
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	57.00	131.27	7,482.39
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	114.00	83.62	9,532.68
	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	495.75	398.63	197,620.82
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	435.09	438.13	190,627.62
	9. ROOFING					
14	9/50	Providing and laying high density single profile spanish glazed tappered barrel type of 4"-5-1/2" dia Terra Cotta Khaprail Tile dipped or sealed with a water repellent, with Terra Cotta base plate (10"x16"), resistant to salt attack laid with laps and duly interlocked on slopping ro of over 1/2" thick (1:3) cement sand mortar i/c cost of al lmaterial and labour completein all respect as approved and directed by the Engineer Incharge.	P.Sft	290.00	176.60	51,214.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet Block

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

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	143.47	57.87	8,302.46
16	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	318.00	97.47	30,995.46
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	434.75	457.30	198,811.18
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	42.00	458.70	19,265.40
	11. SURFACE RENDERING					
19	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	646.75	53.77	34,775.75
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	1,113.00	47.30	52,644.90
21	11/9 c	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)**				
		Ground Floor	P.Sft	1,121.00	63.63	71,329.23
22	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	1,759.75	3.98	7,003.81
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	1,759.75	8.65	15,221.84
		ii) two coats	P.Sft	1,759.75	11.99	21,099.40
23	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	208.00	307.55	63,970.40

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet Block

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	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	1,121.00	47.52	53,269.92
		ii) 2nd coat	P.Sft	1,121.00	26.69	29,919.49
	25. IRON WORK					
25	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P.Sft	273.00	1,562.95	426,685.35
26	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	525.00	1,312.45	689,036.25
27	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	262.50	544.15	142,839.38
28	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	525.00	1,251.00	656,775.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet Block

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
29	25/64	Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Rft	12.00	3,352.70	40,232.40
	26. MISCELLANEOUS					
30	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	2,072.75	12.55	26,013.01
		Amount for Civil Works				5,072,650.32
		Estimated amount for Non-Schedule & Post Detail Design				14,927,349.68
		Total				**20,000,000.00**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet 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						
	F-1	4	6.50	6.50	4.00	676.00	
	Long Wall A	2	15.00	3.00	3.00	270.00	
	Short Wall A	2	11.00	3.00	3.00	198.00	
	planter	2	6.75	2.00	2.00	54.00	
	Plinth Protection					-	
	Out Side	1	106.00	1.50	1.50	238.50	
					Total:	**1,436.50**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	1436.50			**574.60**	
3	**Filling, watering and ramming earth under floors:-**						
	Hall	1	23.50	18.50	4.00	1739.00	
	planter	2	2.00	2.00	4.00	32.00	
		-60%	1436.50			-861.90	
					Total:	**909.10**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	F-1	4	6.50	6.50	0.25	42.25	
	Long Wall A	2	15.00	3.00	0.25	22.50	
	Short Wall A	2	11.00	3.00	0.25	16.50	
	planter	2	6.75	2.00	0.25	6.75	
	Plinth Protection						
	Out Side	1	106.00	1.50	0.25	39.75	
					Total:	**127.75**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet 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		
	Hall	1	23.50	18.50	0.33	143.47	
					Total:	**143.47**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Hall	1	23.50	18.50	0.17	73.91	
					Total:	**73.91**	Cft
7	**R.C.C. in Raft foundation**						
	F-1	4	6.00	6.00	1.00	144.00	
	Long Wall A	2	15.00	2.50	0.50	37.50	
	Short Wall A	2	11.00	2.50	0.50	27.50	
					Total:	**209.00**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**Plinth Columns**						
		4	2.00	1.50	5.00	60.00	
ii	**Plinth Bemas**						
		1	76.00	0.75	0.75	42.75	
iii	**RCC on ROOF Slab**						
		4	72.50	Sft	0.50	145.00	
iv	**Plinth Columns**						
		4	2.00	1.50	13.00	156.00	
v	**RCC on Bemas**						
		1	76.00	1.50	2.00	228.00	
					Total	**631.75**	Cft
9	**Reinforcement**						
	RCC Footing	1	209.00	2.50	Per Cft	522.50	
	Superstructural	1	631.75	4.50	Per Cft	2,842.88	
					Total	**3,365.38**	Kg

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet 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		
10	**Horizontal DPC**						
	Long Wall A	1	76.00	0.75		57.00	
					Total:	**57.00**	Sft
11	**Vertical DPC**						
	Long Wall A	1	76.00		1.50	114.00	
					Total:	**114.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	1	76.00	1.50	0.50	57.00	
	planter	1	6.75	0.75	2.00	10.13	
	2nd Steps						
	Long Wall A	1	76.00	1.13	0.50	42.75	
	3rd Steps						
	Long Wall A	1	76.00	0.75	3.00	171.00	
	Entrance Steps						
	1st step	1	8.00	4.00	0.50	16.00	
	2nd step	1	8.00	3.00	0.50	12.00	
	3rd step	1	8.00	2.00	0.50	8.00	
	Plinth Protection						
	Out Side	1	106.00	1.13	0.50	59.63	
	Out Side	1	106.00	0.75	1.50	119.25	
					Total:	**495.75**	Cft
13	**Brick masonry in super structure**						
	Ground Floor						
	Long Wall A	1	76.00	0.75	18.00	1,026.00	
	planter	1	6.75	0.38	3.00	7.59	
	Deduction						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet 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		
	Door	-1	21.00	0.75	13.00	(204.75)	
	W-1	-3	6.00	0.75	12.50	(168.75)	
	W-2	-6	4.00	0.75	12.50	(225.00)	
					Total:	**435.09**	Cft
14	**Terra Cotta Khaprail Tile**						
	Roof Area	4	72.50	Sft		290.00	
					Total:	**290.00**	Sft
15	**Sand filling**						
	Hall	1	23.50	18.50	0.33	143.47	
					Total:	**143.47**	**Cft**
16	**Plinth Protection**						
	Out Side	1	106.00	3.00		318.00	
					Total:	**318.00**	**Sft**
17	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Hall	1	23.50	18.50		434.75	
					Total	**434.75**	Sft
18	**Wall skirting**						
	Hall	2	23.50		0.50	23.50	
		2	18.50		0.50	18.50	
					Total	**42.00**	Sft
19	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Hall	1	23.50	18.50		434.75	
	Shed Out sides	1	106.00	2.00		212.00	
					Total	**646.75**	Sft
20	**Internal Wall Plaster**						
i	**Ground Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet 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		
	Hall	2	23.50		18.00	846.00	
		2	18.50		18.00	666.00	
	Deduction						
	Door	-1	21.00	50%	13.00	(136.50)	
	W-1	-3	6.00	50%	12.50	(112.50)	
	W-2	-6	4.00	50%	12.50	(150.00)	
					Total	**1,113.00**	Sft
21	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
	Long Wall A	1	76.00	Rft	20.00	1,520.00	
	Deduction						
	Door	-1	21.00	50%	13.00	(136.50)	
	W-1	-3	6.00	50%	12.50	(112.50)	
	W-2	-6	4.00	50%	12.50	(150.00)	
					Total	**1,121.00**	Sft
22	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					646.75	
	Qty as per internal plaster of walls					1,113.00	
					Total	**1,759.75**	Sft
23	**Sandstone**						
	Plinth Protection	1	106.00		1.50	159.00	
	Columns cladding	4	3.50		3.50	49.00	
					Total	**208.00**	Sft
24	**Weathersheild paint**						
i	**Ground Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet 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					1,121.00	
					Total	**1,121.00**	Sft
25	**Aluminium Door Window**						
	Door	1	21.00		13.00	273.00	
					Total	**273.00**	Sft
26	**Aluminium Window**						
i	**Ground Floor**						
	W-1	3	6.00		12.50	225.00	
	W-2	6	4.00		12.50	300.00	
					Total	**525.00**	Sft
27	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per item 34	1	525.00	50%		262.50	
					Total	**262.50**	Sft
28	**M.S. flat grill**						
i	**Ground Floor**						
	Qty same as per item 34	1	525.00			525.00	
					Total	**525.00**	Sft
29	**Stair Railing**						
i	**Ground Floor**						
	Railing	1	12.00			12.00	
					Total	**12.00**	Rft
30	**Termite proofing under foundations**						
	at beds						
	F-1	4	6.50	6.50		169.00	
	Long Wall A	2	15.00	3.00		90.00	
	Short Wall A	2	11.00	3.00		66.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of An Information Center Building with Toilet Block

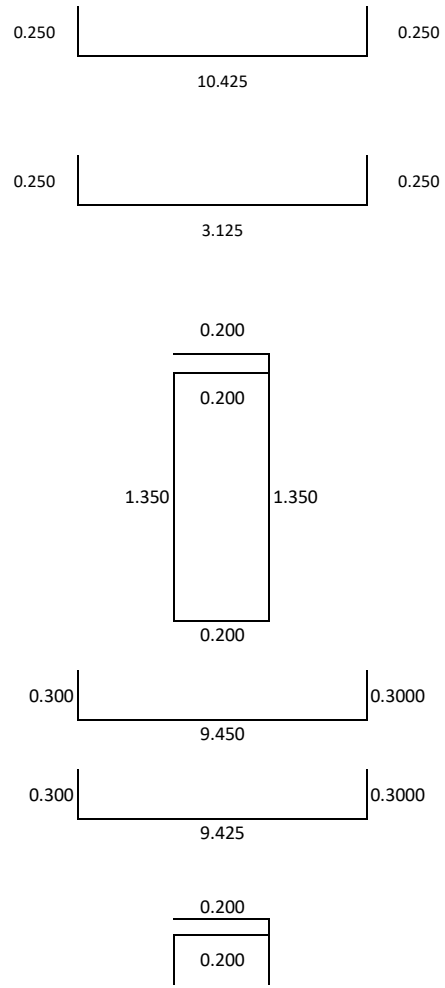
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	planter	2	6.75	2.00		27.00	
	Plinth Protection						
	Out Side	1	106.00	1.50		159.00	
	sides						
	F-1	16	6.50		4.00	416.00	
	Long Wall A	4	15.00		3.00	180.00	
	Short Wall A	4	11.00		3.00	132.00	
	planter	4	6.75		3.00	81.00	
	Plinth Protection					-	
	Out Side	2	106.00		1.50	318.00	
	Under Floor						
	Hall	1	23.50	18.50		434.75	
					Total:	**2,072.75**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

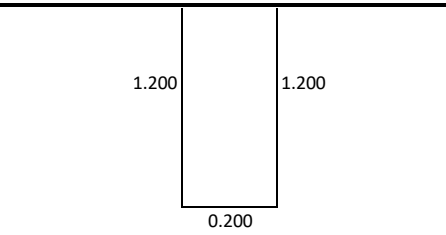
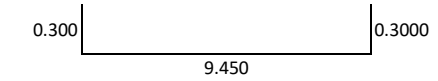
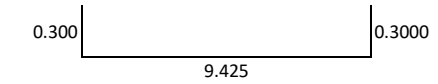
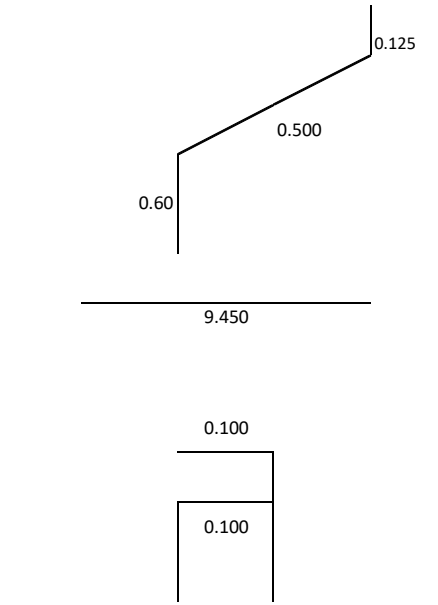
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	
	Long Wall -2 Channel Side										



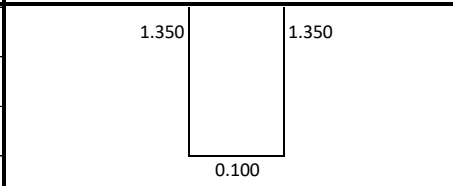
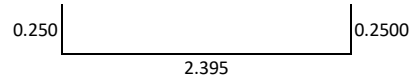
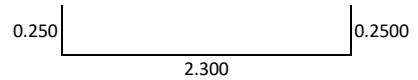
Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	13	39	3.00	116.775	0.888	103.70	

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
											
10	Distribution bar outerside @ 200mm c/c	12mm		4	5	20	2.90	57.900	0.888	51.42	
11	Distribution bar inerside @ 200mm c/c	12mm		4	5	20	2.80	56.000	0.888	49.73	
								Total for Each		**1121.79**	
								Total for 3		**3365.38**	

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	15,000,000	
	Grand.Total	**15,000,000**	**15,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
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	183.00	131.27	24,022.41
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	366.00	83.62	30,604.92
	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	3,162.84	398.63	1,260,804.40
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	1,989.17	438.13	871,512.86
		First Floor	P.Cft	1,500.28	458.06	687,219.97
	9. ROOFING					
14	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	3,537.50	190.34	673,327.75
15	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	6.00	1,180.25	7,081.50
16	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	76.00	495.50	37,658.00
17	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	Each	6.00	1,408.00	8,448.00
18	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	6.00	702.65	4,215.90
	10. FLOORING					
19	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	516.46	57.87	29,887.77

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
20	10/46 aii	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				
		Ground Floor	P.Sft	1,294.45	457.30	591,951.99
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	3,375.09	468.58	1,581,500.84
21	10/38 aii	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				
		Ground Floor	P.Sft	132.97	458.70	60,991.05
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	242.13	469.98	113,796.26
22	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	270.59	331.08	89,587.76

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
23	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	959.07	403.18	386,677.84
24	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	64.56	1,240.55	80,089.91
	11. SURFACE RENDERING					
25	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	1,565.04	53.77	84,152.34
		First Floor	P.Sft	1,266.62	53.77	68,106.29
26	11/9 b	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)**				
		Ground Floor	P.Sft	3,595.95	47.30	170,088.44
		First Floor	P.Sft	3,077.83	47.30	145,581.36
27	11/9 c	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)**				
		Ground Floor	P.Sft	3,465.61	63.63	220,516.76
		First Floor	P.Sft	2,465.86	63.63	156,902.67
28	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	9,505.45	3.98	37,831.67
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	9,505.45	8.65	82,222.10
		ii) two coats	P.Sft	9,505.45	11.99	113,970.29
	12. WOOD WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
29	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	203.00	485.35	98,526.05
30	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	203.00	954.35	193,733.05
31	12/22	Providing and fixing, approved quality mortice lock.	Each	11.00	1,114.50	12,259.50
32	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	11.00	178.85	1,967.35
	13. PAINTING AND VARNISHING					
33	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	3,465.61	47.52	164,685.79
		ii) 2nd coat	P.Sft	3,465.61	26.69	92,497.13
	25. IRON WORK					
34	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P.Sft	102.00	1,562.95	159,420.90

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
35	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	1,121.06	1,312.45	1,471,335.20
36	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	560.53	544.15	305,012.40
		Amount for Civil Works				10,118,188.42
		Estimated amount for Non-Schedule & Post Detail Design				4,881,811.58
		Total				**15,000,000.00**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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	72.00	3.00	3.00	1,296.00	
	Short Wall A	2	50.00	3.00	3.00	900.00	
	Internal Wall B	1	50.00	3.00	3.00	450.00	
	Internal Wall B	1	35.50	3.00	3.00	319.50	
	Internal Wall B	3	15.00	3.00	3.00	405.00	
	Internal Wall C	1	13.00	3.00	3.00	117.00	
	Internal Wall C	3	6.00	3.00	3.00	162.00	
	Tow Wall	1	110.00	3.00	3.00	990.00	
	Planter tow wall	2	98.00	2.00	3.00	1,176.00	
	Planter tow wall	2	58.00	2.00	3.00	696.00	
	Planter tow wall	2	54.00	2.00	3.00	648.00	
					Total:	**7,159.50**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	7159.50			**2863.80**	
3	**Filling, watering and ramming earth under floors:-**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	3.50	3055.50	
	Duck Area	2	15.00	90.00	3.50	9450.00	
	Duck Area	1	50.00	55.00	3.50	9625.00	
	Kitchen	1	10.50	15.00	3.50	551.25	
	Store	1	16.75	15.00	3.50	879.38	
	Stair Area	1	13.00	10.84	3.50	493.22	
	Lobby	1	6.00	4.88	3.50	102.48	
	Female Toilet	1	6.00	4.88	3.50	102.48	
	W.C	1	6.00	4.50	3.50	94.50	
	Male Toilet	1	6.63	4.50	3.50	104.34	
	W.C	1	6.00	4.50	3.50	94.50	
		-60%	7159.50			-4295.70	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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:	**20,256.95**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	72.00	3.00	0.25	108.00	
	Short Wall A	2	50.00	3.00	0.25	75.00	
	Internal Wall B	1	50.00	3.00	0.25	37.50	
	Internal Wall B	1	35.50	3.00	0.25	26.63	
	Internal Wall B	3	15.00	3.00	0.25	33.75	
	Internal Wall C	1	13.00	3.00	0.25	9.75	
	Internal Wall C	3	6.00	3.00	0.25	13.50	
	Tow Wall	1	110.00	3.00	0.25	82.50	
	Planter tow wall	2	98.00	2.00	0.25	98.00	
	Planter tow wall	2	58.00	2.00	0.25	58.00	
	Planter tow wall	2	54.00	2.00	0.25	54.00	
					Total:	**596.63**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50	0.25	456.25	
	Terrace Area	1	11.25	35.25	0.25	99.14	
	Staff Rest Dining	1	48.50	18.00	0.25	218.25	
	Store	1	16.75	15.00	0.25	62.81	
	Lobby	1	6.00	4.88	0.25	7.32	
	Female Toilet	1	6.00	4.88	0.25	7.32	
	W.C	1	6.00	4.50	0.25	6.75	
	Male Toilet	1	6.63	4.50	0.25	7.45	
	W.C	1	6.00	4.50	0.25	6.75	
					Total:	**872.05**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Kitchen	1	10.50	15.00	0.17	26.78	
	Store	1	16.75	15.00	0.17	42.71	
	Stair Area	1	13.00	10.84	0.17	23.96	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	
	W.C	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**266.06**	Cft
ii	**First Floor**						
	Terrace Area	1	50.00	36.50	0.17	310.25	
	Terrace Area	1	11.25	35.25	0.17	67.42	
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Store	1	16.75	15.00	0.17	42.71	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	W.C	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**592.99**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	72.00	2.50	0.50	180.00	
	Short Wall A	2	50.00	2.50	0.50	125.00	
	Internal Wall B	1	50.00	2.50	0.50	62.50	
	Internal Wall B	1	35.50	2.50	0.50	44.38	
	Internal Wall B	3	15.00	2.50	0.50	56.25	
	Internal Wall C	1	13.00	2.50	0.50	16.25	
	Internal Wall C	3	6.00	2.50	0.50	22.50	
					Total:	**506.88**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**Plinth Bemas**						
		1	244.00	0.75	0.75	137.25	
ii	**Roof Bemas**						
	Ground Floor	1	244.00	0.75	1.00	183.00	
	First Floor	1	148.00	0.75	1.00	111.00	
iii	**RCC on ROOF Slab**						
	Ground Floor	1	50.00	72.00	0.50	1,800.00	
	First Floor	1	38.75	35.25	0.50	682.97	
iv	**RCC on Stair**						
	Wasite	1	24.00	4.00	0.50	48.00	
	Landing	2	4.00	4.00	0.50	16.00	
	First Floor	10	4.00	1.00	0.50	20.00	
	Wasite	1	18.00	5.00	0.50	45.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Landing	1	5.00	7.00	0.50	17.50	
	First Floor	7	4.00	1.00	0.75	21.00	
v	**RCC on Parapit Wall**						
	Terrace	1	174.75	0.50	3.00	262.13	
	Roof	1	148.00	0.50	3.00	222.00	
					Total	**3,565.84**	Cft
9	**Reinforcement**						
	RCC Footing	1	506.88	2.50	Per Cft	1,267.19	
	Superstructural	1	3,565.84	4.50	Per Cft	16,046.30	
					Total	**17,313.48**	Kg
10	**Horizontal DPC**						
	Long Wall A	2	72.00	0.75		108.00	
	Short Wall A	2	50.00	0.75		75.00	
					Total:	**183.00**	Sft
11	**Vertical DPC**						
	Long Wall A	2	72.00		1.50	216.00	
	Short Wall A	2	50.00		1.50	150.00	
					Total:	**366.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	72.00	1.50	0.50	108.00	
	Short Wall A	2	50.00	1.50	0.50	75.00	
	Internal Wall B	1	50.00	1.50	0.50	37.50	
	Internal Wall B	1	35.50	1.50	0.50	26.63	
	Internal Wall B	3	15.00	1.50	0.50	33.75	
	Internal Wall C	1	13.00	1.50	0.50	9.75	
	Internal Wall C	3	6.00	1.50	0.50	13.50	

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Tow Wall	1	110.00	1.50	0.50	82.50	
	Planter tow wall	2	98.00	1.13	0.50	110.25	
	Planter tow wall	2	58.00	1.13	0.50	65.25	
	Planter tow wall	2	54.00	1.13	0.50	60.75	
	2nd Steps						
	Long Wall A	2	72.00	1.13	0.50	81.00	
	Short Wall A	2	50.00	1.13	0.50	56.25	
	Internal Wall B	1	50.00	1.13	0.50	28.13	
	Internal Wall B	1	35.50	1.13	0.50	19.97	
	Internal Wall B	3	15.00	1.13	0.50	25.31	
	Internal Wall C	1	13.00	1.13	0.50	7.31	
	Internal Wall C	3	6.00	1.13	0.50	10.13	
	Tow Wall	1	110.00	1.13	0.50	61.88	
	Planter tow wall	2	98.00	0.75	2.00	294.00	
	Planter tow wall	2	58.00	0.75	2.00	174.00	
	Planter tow wall	2	54.00	0.75	2.00	162.00	
	3rd Steps						
	Long Wall A	2	72.00	0.75	4.00	432.00	
	Short Wall A	2	50.00	0.75	4.00	300.00	
	Internal Wall B	1	50.00	0.75	4.00	150.00	
	Internal Wall B	1	35.50	0.75	4.00	106.50	
	Internal Wall B	3	15.00	0.75	4.00	135.00	
	Internal Wall C	1	13.00	0.75	4.00	39.00	
	Internal Wall C	3	6.00	0.75	4.00	54.00	
	Tow Wall	1	110.00	0.75	3.00	247.50	
	Entrance Steps					-	
	1st Step	1	26.00	5.00	0.50	65.00	

MEASURMENT SHEETS

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	2nd Step	1	26.00	4.00	0.50	52.00	
	3rd Step	1	26.00	3.00	0.50	39.00	
					Total:	**3,162.84**	Cft
13	**Brick masonry in super structure**						
i	**Ground Floor**						
	Long Wall A	2	72.00	0.75	11.00	1,188.00	
	Short Wall A	2	50.00	0.75	11.00	825.00	
	Internal Wall B	1	50.00	0.75	11.00	412.50	
	Internal Wall B	1	35.50	0.75	11.00	292.88	
	Internal Wall B	3	15.00	0.75	11.00	371.25	
	Internal Wall C	1	13.00	0.38	11.00	53.63	
	Internal Wall C	3	6.00	0.38	11.00	74.25	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-2	3.00	0.75	7.00	(31.50)	
	Door	-4	2.50	0.38	7.00	(26.25)	
	Window	-2	9.00	0.75	8.00	(108.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-3	10.00	0.75	10.00	(225.00)	
	Open	-1	45.50	0.75	10.00	(341.25)	
	Open	-1	33.00	0.75	10.00	(247.50)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-1	6.00	0.75	4.00	(18.00)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,989.17**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Long Wall A	2	38.75	0.75	11.50	668.44	
	Short Wall A	2	35.25	0.75	11.50	608.06	
	Internal Wall B	1	24.25	0.75	11.50	209.16	
	Internal Wall B	2	15.00	0.75	11.50	258.75	
	Internal Wall C	1	13.00	0.38	11.50	56.06	
	Internal Wall C	3	6.00	0.38	11.50	77.63	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-1	3.00	0.75	7.00	(15.75)	
	Door	-4	2.50	0.38	7.00	(26.60)	
	Window	-1	9.00	0.75	8.00	(54.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	15.00	0.75	4.50	(50.63)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,500.28**	Cft
14	**Roof water proofing**						
	Terrace Area	1	2,171.56	Sft		2,171.56	
	Roof Area	1	1,365.94	Sft		1,365.94	
					Total:	**3,537.50**	Sft
15	**Khurras on roof**						
	Terrace	4	1.00			4.00	
	Roof	2	1.00			2.00	
					Total:	**6.00**	Nos
16	**Rain water Down Pipe**						
		4	13.00			52.00	

MEASURMENT SHEETS

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
		2	12.00			24.00	
					Total	**76.00**	Rft
17	**Rain water down pipe cast iron head**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
18	**Rain water down pipe cast iron Shoes, bends**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
19	**Sand filling**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	**Cft**
20	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
					Total	**1,294.45**	Sft
ii	**First Floor**						

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50		1825.00	
	Terrace Area	1	11.25	35.25		396.56	
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
					Total	**3,375.09**	Sft
21	**Wall skirting**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Stair Area	2	13.00		0.50	13.00	
		2	10.84		0.50	10.84	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**132.97**	Sft
ii	**First Floor**						
	Terrace Area	2	50.00		0.50	50.00	
		2	36.50		0.50	36.50	
	Terrace	2	11.25		0.50	11.25	
		2	35.25		0.50	35.25	
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**242.13**	Sft

MEASURMENT SHEETS

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
22	**Glazed tiles 12"X24"**						
i	**Ground Floor**						
	Kitchen	1	10.50	15.00		157.50	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**270.59**	Sft
ii	**First Floor**						
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**113.09**	Sft
23	**Wall skirting/dado**						
i	**Ground Floor**						
	Kitchen	2	10.50		7.00	147.00	
		2	15.00		7.00	210.00	
	Female Toilet	2	6.00		7.00	84.00	
		2	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**959.07**	Sft
ii	**First Floor**						
	Female Toilet	2	6.00		7.00	84.00	

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
		2	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**602.07**	Sft
24	**Prepolished Granite**						
	Entrance step						
	Steps	1	26.00	1.00		26.00	
		1	26.00	1.00		26.00	
		1	26.00	3.00		78.00	
	Riser	3	26.00		0.50	39.00	
	Stair No.1						
	Steps	20	4.00	1.00		80.00	
	Riser	20	4.00		0.50	40.00	
	Landing	2	4.00	4.00		32.00	
	Stair No.2						
	Steps	14	5.00	1.00		70.00	
	Riser	14	5.00		0.75	52.50	
	Landing	1	5.00	7.00		35.00	
					Total	**478.50**	Sft
25	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,565.04**	Sft
ii	**First Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,266.62**	Sft
26	**Internal Wall Plaster**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Stair Area	2	13.00		11.00	286.00	
		2	10.84		11.00	238.48	
	Lobby	2	6.00		11.00	132.00	
		2	4.88		11.00	107.25	
	Kitchen	2	10.50		11.00	231.00	
		2	15.00		11.00	330.00	

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-2	3.00	50%	7.00	(21.00)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-2	9.00	50%	8.00	(72.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,595.95**	Sft
ii	**First Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Lobby	2	6.00		11.00	132.00	

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
		2	4.88		11.00	107.36	
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-1	3.00	50%	7.00	(10.50)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,077.83**	Sft
27	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
	Long Wall A	2	72.00	Rft	13.00	1,872.00	
	Short Wall A	2	50.00	Rft	13.00	1,300.00	
	Parapit Wall	2	174.75	Rft	3.00	1,048.50	
	Deduction						
	Window	-2	9.00	50%	8.00	(72.00)	

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	External wall						
	Long Wall A	2	38.75	Rft	12.00	930.00	
	Short Wall A	2	35.25	Rft	12.00	846.00	
	Parapit Wall	2	148.00	Rft	3.00	888.00	
	Deduction						
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**2,465.86**	Sft
28	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					1,565.04	
	Qty as per internal plaster of walls					3,595.95	
					Total	**5,160.99**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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	**First Floor**						
	Qty as per internal plaster of Slab					1,266.62	
	Qty as per internal plaster of walls					3,077.83	
					Total	**4,344.45**	Sft
29	**M.S chowkat**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
30	**Soild Core Door**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
31	**Mortice Lock**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
32	**Door Stops**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
33	**Weathersheild paint**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
i	**Ground Floor**						
	Qty as per External plaster of walls					3,465.61	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	Qty as per External plaster of walls					2,465.86	
					Total	**2,465.86**	Sft
34	**Aluminium Glazed Door**						
i	**Ground Floor**						
	Door	1	6.00		8.50	51.00	
ii	**First Floor**						
	Door	1	6.00		8.50	51.00	
					Total	**102.00**	Sft
35	**Aluminium Window**						
i	**Ground Floor**						
	Window	2	9.00		8.00	144.00	
	Window	2	5.50		8.00	88.00	
	Window	3	10.00		10.00	300.00	
	Window	1	25.84		4.50	116.28	
	Window	1	9.00		4.50	40.50	
	Window	1	6.00		4.00	24.00	
	Window	2	3.00		2.00	12.00	
ii	**First Floor**						
	Window	1	9.00		8.00	72.00	
	Window	2	5.50		8.00	88.00	
	Window	1	25.84		4.50	116.28	
	Window	1	15.00		4.50	67.50	
	Window	1	9.00		4.50	40.50	
	Window	2	3.00		2.00	12.00	
					Total	**1,121.06**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
36	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06	50%		560.53	
					Total	**560.53**	Sft
37	**M.S. flat grill**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06			1,121.06	
					Total	**1,121.06**	Sft
38	**Stair Railing**						
i	**Ground Floor**						
	Railing	1	43.00			43.00	
	Railing	1	30.00			30.00	
					Total	**73.00**	Rft
39	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	72.00	3.00		432.00	
	Short Wall A	2	50.00	3.00		300.00	
	Internal Wall B	1	50.00	3.00		150.00	
	Internal Wall B	1	35.50	3.00		106.50	
	Internal Wall B	3	15.00	3.00		135.00	
	Internal Wall C	1	13.00	3.00		39.00	
	Internal Wall C	3	6.00	3.00		54.00	
	Tow Wall	1	110.00	3.00		330.00	
	Planter tow wall	2	98.00	2.00		392.00	
	Planter tow wall	2	58.00	2.00		232.00	
	Planter tow wall	2	54.00	2.00		216.00	
	sides						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of Existing Museum into an Integrated High-Tech Research and Educational Centre.

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	4	72.00		3.00	864.00	
	Short Wall A	4	50.00		3.00	600.00	
	Internal Wall B	2	50.00		3.00	300.00	
	Internal Wall B	2	35.50		3.00	213.00	
	Internal Wall B	6	15.00		3.00	270.00	
	Internal Wall C	2	13.00		3.00	78.00	
	Internal Wall C	6	6.00		3.00	108.00	
	Tow Wall	2	110.00		3.00	660.00	
	Planter tow wall	4	98.00		3.00	1,176.00	
	Planter tow wall	4	58.00		3.00	696.00	
	Planter tow wall	4	54.00		3.00	648.00	
	Under Floor						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Duck Area	2	15.00	90.00		2,700.00	
	Duck Area	1	50.00	55.00		2,750.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total:	**15,014.54**	**Sft**

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	167,750,000	
	Grand.Total	**167,750,000**	**167,750,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

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	7,159.50	15.84	113,406.48
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	2,863.80	7.56	21,658.92
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	20,256.95	31.78	643,715.19
	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	596.63	355.28	211,968.93
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	516.46	128.37	66,298.49
		First Floor	P.Cft	872.05	128.37	111,944.58
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	266.06	480.22	127,766.00
		First Floor	P.Cft	592.99	480.22	284,766.35
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)				
		Foundation	P.Cft	506.88	670.00	339,606.25

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

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	3,565.84	817.55	2,915,255.56
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	17,313.48	360.40	6,239,779.77
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	183.00	131.27	24,022.41
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	366.00	83.62	30,604.92
	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	3,162.84	398.63	1,260,804.40
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	1,989.17	438.13	871,512.86
		First Floor	P.Cft	1,500.28	458.06	687,219.97
	9. ROOFING					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
14	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	3,537.50	190.34	673,327.75
15	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	6.00	1,180.25	7,081.50
16	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	76.00	495.50	37,658.00
17	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	Each	6.00	1,408.00	8,448.00
18	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	6.00	702.65	4,215.90
	10. FLOORING					
19	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	516.46	57.87	29,887.77
20	10/46 aii	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				
		Ground Floor	P.Sft	1,294.45	457.30	591,951.99
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	3,375.09	468.58	1,581,500.84
21	10/38 aii	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				
		Ground Floor	P.Sft	132.97	458.70	60,991.05

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	242.13	469.98	113,796.26
22	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	270.59	331.08	89,587.76
23	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	959.07	403.18	386,677.84
24	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	64.56	1,240.55	80,089.91
	11. SURFACE RENDERING					
25	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	1,565.04	53.77	84,152.34
		First Floor	P.Sft	1,266.62	53.77	68,106.29
26	11/9 b	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)**				
		Ground Floor	P.Sft	3,595.95	47.30	170,088.44

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		First Floor	P.Sft	3,077.83	47.30	145,581.36
27	11/9 c	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)**				
		Ground Floor	P.Sft	3,465.61	63.63	220,516.76
		First Floor	P.Sft	2,465.86	63.63	156,902.67
28	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	9,505.45	3.98	37,831.67
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	9,505.45	8.65	82,222.10
		ii) two coats	P.Sft	9,505.45	11.99	113,970.29
	12. WOOD WORK					
29	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	203.00	485.35	98,526.05
30	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	203.00	954.35	193,733.05
31	12/22	Providing and fixing, approved quality mortice lock.	Each	11.00	1,114.50	12,259.50
32	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	11.00	178.85	1,967.35
	13. PAINTING AND VARNISHING					
33	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	3,465.61	47.52	164,685.79
		ii) 2nd coat	P.Sft	3,465.61	26.69	92,497.13
	25. IRON WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
34	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P.Sft	102.00	1,562.95	159,420.90
35	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	1,121.06	1,312.45	1,471,335.20
36	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	560.53	544.15	305,012.40
37	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	1,121.06	1,251.00	1,402,446.06
38	25/64	Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Rft	73.00	3,352.70	244,747.10
	26. MISCELLANEOUS					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
39	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	15,014.54	12.55	188,432.51
		Amount for Civil Works				23,029,980.60
		Estimated amount for Non-Schedule & Post Detail Design				144,720,019.40
		Total				**167,750,000.00**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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	72.00	3.00	3.00	1,296.00	
	Short Wall A	2	50.00	3.00	3.00	900.00	
	Internal Wall B	1	50.00	3.00	3.00	450.00	
	Internal Wall B	1	35.50	3.00	3.00	319.50	
	Internal Wall B	3	15.00	3.00	3.00	405.00	
	Internal Wall C	1	13.00	3.00	3.00	117.00	
	Internal Wall C	3	6.00	3.00	3.00	162.00	
	Tow Wall	1	110.00	3.00	3.00	990.00	
	Planter tow wall	2	98.00	2.00	3.00	1,176.00	
	Planter tow wall	2	58.00	2.00	3.00	696.00	
	Planter tow wall	2	54.00	2.00	3.00	648.00	
					Total:	**7,159.50**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	7159.50			**2863.80**	
3	**Filling, watering and ramming earth under floors:-**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	3.50	3055.50	
	Duck Area	2	15.00	90.00	3.50	9450.00	
	Duck Area	1	50.00	55.00	3.50	9625.00	
	Kitchen	1	10.50	15.00	3.50	551.25	
	Store	1	16.75	15.00	3.50	879.38	
	Stair Area	1	13.00	10.84	3.50	493.22	
	Lobby	1	6.00	4.88	3.50	102.48	
	Female Toilet	1	6.00	4.88	3.50	102.48	
	W.C	1	6.00	4.50	3.50	94.50	
	Male Toilet	1	6.63	4.50	3.50	104.34	
	W.C	1	6.00	4.50	3.50	94.50	
		-60%	7159.50			-4295.70	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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:	**20,256.95**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	72.00	3.00	0.25	108.00	
	Short Wall A	2	50.00	3.00	0.25	75.00	
	Internal Wall B	1	50.00	3.00	0.25	37.50	
	Internal Wall B	1	35.50	3.00	0.25	26.63	
	Internal Wall B	3	15.00	3.00	0.25	33.75	
	Internal Wall C	1	13.00	3.00	0.25	9.75	
	Internal Wall C	3	6.00	3.00	0.25	13.50	
	Tow Wall	1	110.00	3.00	0.25	82.50	
	Planter tow wall	2	98.00	2.00	0.25	98.00	
	Planter tow wall	2	58.00	2.00	0.25	58.00	
	Planter tow wall	2	54.00	2.00	0.25	54.00	
					Total:	**596.63**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50	0.25	456.25	
	Terrace Area	1	11.25	35.25	0.25	99.14	
	Staff Rest Dining	1	48.50	18.00	0.25	218.25	
	Store	1	16.75	15.00	0.25	62.81	
	Lobby	1	6.00	4.88	0.25	7.32	
	Female Toilet	1	6.00	4.88	0.25	7.32	
	W.C	1	6.00	4.50	0.25	6.75	
	Male Toilet	1	6.63	4.50	0.25	7.45	
	W.C	1	6.00	4.50	0.25	6.75	
					Total:	**872.05**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Kitchen	1	10.50	15.00	0.17	26.78	
	Store	1	16.75	15.00	0.17	42.71	
	Stair Area	1	13.00	10.84	0.17	23.96	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	
	W.C	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**266.06**	Cft
ii	**First Floor**						
	Terrace Area	1	50.00	36.50	0.17	310.25	
	Terrace Area	1	11.25	35.25	0.17	67.42	
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Store	1	16.75	15.00	0.17	42.71	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**592.99**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	72.00	2.50	0.50	180.00	
	Short Wall A	2	50.00	2.50	0.50	125.00	
	Internal Wall B	1	50.00	2.50	0.50	62.50	
	Internal Wall B	1	35.50	2.50	0.50	44.38	
	Internal Wall B	3	15.00	2.50	0.50	56.25	
	Internal Wall C	1	13.00	2.50	0.50	16.25	
	Internal Wall C	3	6.00	2.50	0.50	22.50	
					Total:	**506.88**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**Plinth Bemas**						
		1	244.00	0.75	0.75	137.25	
ii	**Roof Bemas**						
	Ground Floor	1	244.00	0.75	1.00	183.00	
	First Floor	1	148.00	0.75	1.00	111.00	
iii	**RCC on ROOF Slab**						
	Ground Floor	1	50.00	72.00	0.50	1,800.00	
	First Floor	1	38.75	35.25	0.50	682.97	
iv	**RCC on Stair**						
	Wasite	1	24.00	4.00	0.50	48.00	
	Landing	2	4.00	4.00	0.50	16.00	
	First Floor	10	4.00	1.00	0.50	20.00	
	Wasite	1	18.00	5.00	0.50	45.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Landing	1	5.00	7.00	0.50	17.50	
	First Floor	7	4.00	1.00	0.75	21.00	
v	**RCC on Parapit Wall**						
	Terrace	1	174.75	0.50	3.00	262.13	
	Roof	1	148.00	0.50	3.00	222.00	
					Total	**3,565.84**	Cft
9	**Reinforcement**						
	RCC Footing	1	506.88	2.50	Per Cft	1,267.19	
	Superstructural	1	3,565.84	4.50	Per Cft	16,046.30	
					Total	**17,313.48**	Kg
10	**Horizontal DPC**						
	Long Wall A	2	72.00	0.75		108.00	
	Short Wall A	2	50.00	0.75		75.00	
					Total:	**183.00**	Sft
11	**Vertical DPC**						
	Long Wall A	2	72.00		1.50	216.00	
	Short Wall A	2	50.00		1.50	150.00	
					Total:	**366.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	72.00	1.50	0.50	108.00	
	Short Wall A	2	50.00	1.50	0.50	75.00	
	Internal Wall B	1	50.00	1.50	0.50	37.50	
	Internal Wall B	1	35.50	1.50	0.50	26.63	
	Internal Wall B	3	15.00	1.50	0.50	33.75	
	Internal Wall C	1	13.00	1.50	0.50	9.75	
	Internal Wall C	3	6.00	1.50	0.50	13.50	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Tow Wall	1	110.00	1.50	0.50	82.50	
	Planter tow wall	2	98.00	1.13	0.50	110.25	
	Planter tow wall	2	58.00	1.13	0.50	65.25	
	Planter tow wall	2	54.00	1.13	0.50	60.75	
	2nd Steps						
	Long Wall A	2	72.00	1.13	0.50	81.00	
	Short Wall A	2	50.00	1.13	0.50	56.25	
	Internal Wall B	1	50.00	1.13	0.50	28.13	
	Internal Wall B	1	35.50	1.13	0.50	19.97	
	Internal Wall B	3	15.00	1.13	0.50	25.31	
	Internal Wall C	1	13.00	1.13	0.50	7.31	
	Internal Wall C	3	6.00	1.13	0.50	10.13	
	Tow Wall	1	110.00	1.13	0.50	61.88	
	Planter tow wall	2	98.00	0.75	2.00	294.00	
	Planter tow wall	2	58.00	0.75	2.00	174.00	
	Planter tow wall	2	54.00	0.75	2.00	162.00	
	3rd Steps						
	Long Wall A	2	72.00	0.75	4.00	432.00	
	Short Wall A	2	50.00	0.75	4.00	300.00	
	Internal Wall B	1	50.00	0.75	4.00	150.00	
	Internal Wall B	1	35.50	0.75	4.00	106.50	
	Internal Wall B	3	15.00	0.75	4.00	135.00	
	Internal Wall C	1	13.00	0.75	4.00	39.00	
	Internal Wall C	3	6.00	0.75	4.00	54.00	
	Tow Wall	1	110.00	0.75	3.00	247.50	
	Entrance Steps					-	
	1st Step	1	26.00	5.00	0.50	65.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	2nd Step	1	26.00	4.00	0.50	52.00	
	3rd Step	1	26.00	3.00	0.50	39.00	
					Total:	**3,162.84**	Cft
13	**Brick masonry in super structure**						
i	**Ground Floor**						
	Long Wall A	2	72.00	0.75	11.00	1,188.00	
	Short Wall A	2	50.00	0.75	11.00	825.00	
	Internal Wall B	1	50.00	0.75	11.00	412.50	
	Internal Wall B	1	35.50	0.75	11.00	292.88	
	Internal Wall B	3	15.00	0.75	11.00	371.25	
	Internal Wall C	1	13.00	0.38	11.00	53.63	
	Internal Wall C	3	6.00	0.38	11.00	74.25	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-2	3.00	0.75	7.00	(31.50)	
	Door	-4	2.50	0.38	7.00	(26.25)	
	Window	-2	9.00	0.75	8.00	(108.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-3	10.00	0.75	10.00	(225.00)	
	Open	-1	45.50	0.75	10.00	(341.25)	
	Open	-1	33.00	0.75	10.00	(247.50)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-1	6.00	0.75	4.00	(18.00)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,989.17**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Long Wall A	2	38.75	0.75	11.50	668.44	
	Short Wall A	2	35.25	0.75	11.50	608.06	
	Internal Wall B	1	24.25	0.75	11.50	209.16	
	Internal Wall B	2	15.00	0.75	11.50	258.75	
	Internal Wall C	1	13.00	0.38	11.50	56.06	
	Internal Wall C	3	6.00	0.38	11.50	77.63	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-1	3.00	0.75	7.00	(15.75)	
	Door	-4	2.50	0.38	7.00	(26.60)	
	Window	-1	9.00	0.75	8.00	(54.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	15.00	0.75	4.50	(50.63)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,500.28**	Cft
14	**Roof water proofing**						
	Terrace Area	1	2,171.56	Sft		2,171.56	
	Roof Area	1	1,365.94	Sft		1,365.94	
					Total:	**3,537.50**	Sft
15	**Khurras on roof**						
	Terrace	4	1.00			4.00	
	Roof	2	1.00			2.00	
					Total:	**6.00**	Nos
16	**Rain water Down Pipe**						
		4	13.00			52.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
		2	12.00			24.00	
					Total	**76.00**	Rft
17	**Rain water down pipe cast iron head**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
18	**Rain water down pipe cast iron Shoes, bends**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
19	**Sand filling**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	**Cft**
20	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
					Total	**1,294.45**	Sft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50		1825.00	
	Terrace Area	1	11.25	35.25		396.56	
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
					Total	**3,375.09**	Sft
21	**Wall skirting**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Stair Area	2	13.00		0.50	13.00	
		2	10.84		0.50	10.84	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**132.97**	Sft
ii	**First Floor**						
	Terrace Area	2	50.00		0.50	50.00	
		2	36.50		0.50	36.50	
	Terrace	2	11.25		0.50	11.25	
		2	35.25		0.50	35.25	
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**242.13**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
22	**Glazed tiles 12"X24"**						
i	**Ground Floor**						
	Kitchen	1	10.50	15.00		157.50	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**270.59**	Sft
ii	**First Floor**						
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**113.09**	Sft
23	**Wall skirting/dado**						
i	**Ground Floor**						
	Kitchen	2	10.50		7.00	147.00	
		2	15.00		7.00	210.00	
	Female Toilet	2	6.00		7.00	84.00	
		2	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**959.07**	Sft
ii	**First Floor**						
	Female Toilet	2	6.00		7.00	84.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
		2	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**602.07**	Sft
24	**Prepolished Granite**						
	Entrance step						
	Steps	1	26.00	1.00		26.00	
		1	26.00	1.00		26.00	
		1	26.00	3.00		78.00	
	Riser	3	26.00		0.50	39.00	
	Stair No.1						
	Steps	20	4.00	1.00		80.00	
	Riser	20	4.00		0.50	40.00	
	Landing	2	4.00	4.00		32.00	
	Stair No.2						
	Steps	14	5.00	1.00		70.00	
	Riser	14	5.00		0.75	52.50	
	Landing	1	5.00	7.00		35.00	
					Total	**478.50**	Sft
25	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,565.04**	Sft
ii	**First Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,266.62**	Sft
26	**Internal Wall Plaster**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Stair Area	2	13.00		11.00	286.00	
		2	10.84		11.00	238.48	
	Lobby	2	6.00		11.00	132.00	
		2	4.88		11.00	107.25	
	Kitchen	2	10.50		11.00	231.00	
		2	15.00		11.00	330.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-2	3.00	50%	7.00	(21.00)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-2	9.00	50%	8.00	(72.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,595.95**	Sft
ii	**First Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Lobby	2	6.00		11.00	132.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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	4.88		11.00	107.36	
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-1	3.00	50%	7.00	(10.50)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,077.83**	Sft
27	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
	Long Wall A	2	72.00	Rft	13.00	1,872.00	
	Short Wall A	2	50.00	Rft	13.00	1,300.00	
	Parapit Wall	2	174.75	Rft	3.00	1,048.50	
	Deduction						
	Window	-2	9.00	50%	8.00	(72.00)	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	External wall						
	Long Wall A	2	38.75	Rft	12.00	930.00	
	Short Wall A	2	35.25	Rft	12.00	846.00	
	Parapit Wall	2	148.00	Rft	3.00	888.00	
	Deduction						
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**2,465.86**	Sft
28	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					1,565.04	
	Qty as per internal plaster of walls					3,595.95	
					Total	**5,160.99**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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	**First Floor**						
	Qty as per internal plaster of Slab					1,266.62	
	Qty as per internal plaster of walls					3,077.83	
					Total	**4,344.45**	Sft
29	**M.S chowkat**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
30	**Soild Core Door**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
31	**Mortice Lock**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
32	**Door Stops**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
33	**Weathersheild paint**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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 External plaster of walls					3,465.61	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	Qty as per External plaster of walls					2,465.86	
					Total	**2,465.86**	Sft
34	**Aluminium Glazed Door**						
i	**Ground Floor**						
	Door	1	6.00		8.50	51.00	
ii	**First Floor**						
	Door	1	6.00		8.50	51.00	
					Total	**102.00**	Sft
35	**Aluminium Window**						
i	**Ground Floor**						
	Window	2	9.00		8.00	144.00	
	Window	2	5.50		8.00	88.00	
	Window	3	10.00		10.00	300.00	
	Window	1	25.84		4.50	116.28	
	Window	1	9.00		4.50	40.50	
	Window	1	6.00		4.00	24.00	
	Window	2	3.00		2.00	12.00	
ii	**First Floor**						
	Window	1	9.00		8.00	72.00	
	Window	2	5.50		8.00	88.00	
	Window	1	25.84		4.50	116.28	
	Window	1	15.00		4.50	67.50	
	Window	1	9.00		4.50	40.50	
	Window	2	3.00		2.00	12.00	
					Total	**1,121.06**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
36	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06	50%		560.53	
					Total	**560.53**	Sft
37	**M.S. flat grill**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06			1,121.06	
					Total	**1,121.06**	Sft
38	**Stair Railing**						
i	**Ground Floor**						
	Railing	1	43.00			43.00	
	Railing	1	30.00			30.00	
					Total	**73.00**	Rft
39	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	72.00	3.00		432.00	
	Short Wall A	2	50.00	3.00		300.00	
	Internal Wall B	1	50.00	3.00		150.00	
	Internal Wall B	1	35.50	3.00		106.50	
	Internal Wall B	3	15.00	3.00		135.00	
	Internal Wall C	1	13.00	3.00		39.00	
	Internal Wall C	3	6.00	3.00		54.00	
	Tow Wall	1	110.00	3.00		330.00	
	Planter tow wall	2	98.00	2.00		392.00	
	Planter tow wall	2	58.00	2.00		232.00	
	Planter tow wall	2	54.00	2.00		216.00	
	sides						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of New Enclosures

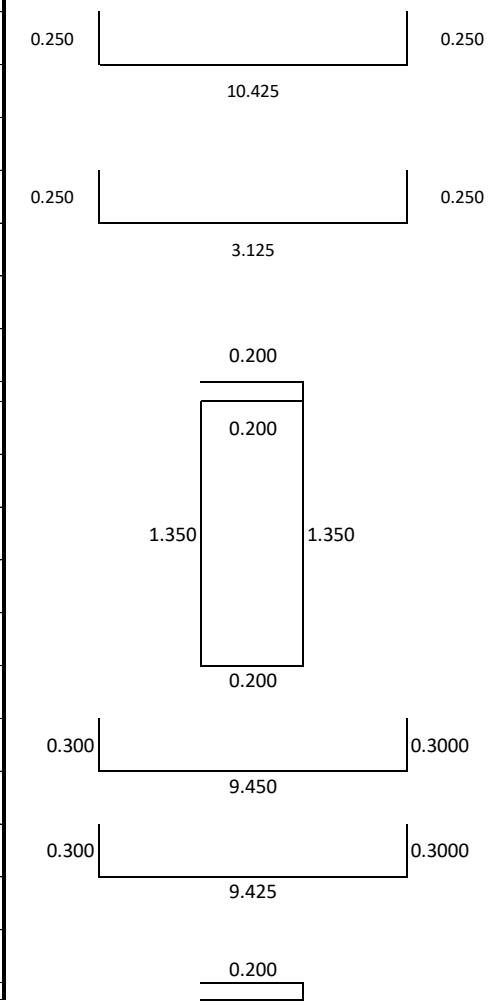
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Long Wall A	4	72.00		3.00	864.00	
	Short Wall A	4	50.00		3.00	600.00	
	Internal Wall B	2	50.00		3.00	300.00	
	Internal Wall B	2	35.50		3.00	213.00	
	Internal Wall B	6	15.00		3.00	270.00	
	Internal Wall C	2	13.00		3.00	78.00	
	Internal Wall C	6	6.00		3.00	108.00	
	Tow Wall	2	110.00		3.00	660.00	
	Planter tow wall	4	98.00		3.00	1,176.00	
	Planter tow wall	4	58.00		3.00	696.00	
	Planter tow wall	4	54.00		3.00	648.00	
	Under Floor						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Duck Area	2	15.00	90.00		2,700.00	
	Duck Area	1	50.00	55.00		2,750.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total:	**15,014.54**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

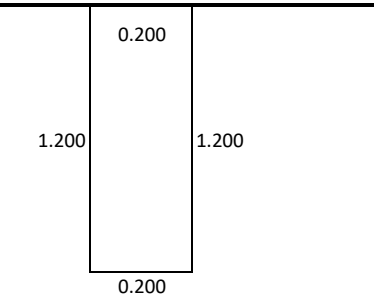
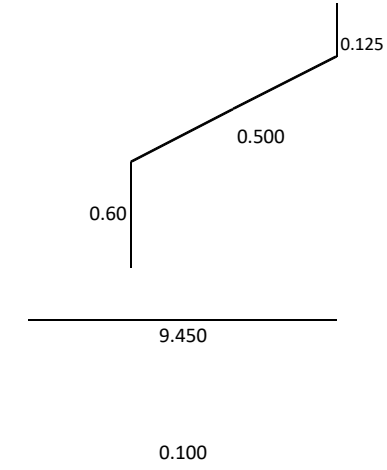
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	



Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

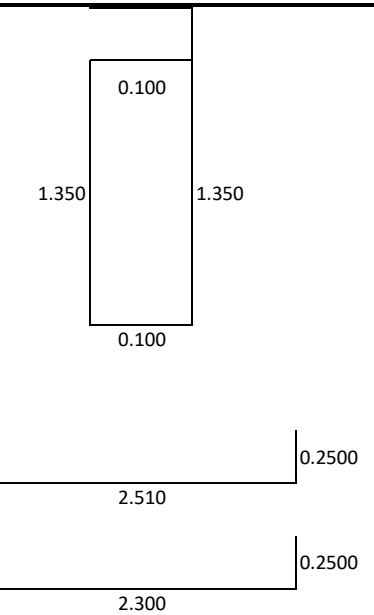
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Long Wall -2 Channel Side										
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	14	41	3.00	121.950	0.888	108.29	
10	Distribution bar outerside @ 200mm c/c	12mm		5	5	25	3.01	75.250	0.888	66.82	
11	Distribution bar inerside @ 200mm c/c	12mm		5	5	25	2.80	70.000	0.888	62.16	
								Total for Each		**1154.22**	
								Total for 15		**17313.48**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	50,000,000	
	Grand.Total	**50,000,000**	**50,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

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	7,159.50	15.84	113,406.48
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	2,863.80	7.56	21,658.92
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	20,256.95	31.78	643,715.19
	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	596.63	355.28	211,968.93
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	516.46	128.37	66,298.49
		First Floor	P.Cft	872.05	128.37	111,944.58
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	266.06	480.22	127,766.00
		First Floor	P.Cft	592.99	480.22	284,766.35
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)				
		Foundation	P.Cft	506.88	670.00	339,606.25

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

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	3,565.84	817.55	2,915,255.56
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	17,313.48	360.40	6,239,779.77
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	183.00	131.27	24,022.41
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	366.00	83.62	30,604.92
	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	3,162.84	398.63	1,260,804.40
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	1,989.17	438.13	871,512.86
		First Floor	P.Cft	1,500.28	458.06	687,219.97
	9. ROOFING					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
14	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	3,537.50	190.34	673,327.75
15	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	6.00	1,180.25	7,081.50
16	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	76.00	495.50	37,658.00
17	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	Each	6.00	1,408.00	8,448.00
18	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	6.00	702.65	4,215.90
	10. FLOORING					
19	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	516.46	57.87	29,887.77
20	10/46 aii	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				
		Ground Floor	P.Sft	1,294.45	457.30	591,951.99
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	3,375.09	468.58	1,581,500.84
21	10/38 aii	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				
		Ground Floor	P.Sft	132.97	458.70	60,991.05

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	242.13	469.98	113,796.26
22	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	270.59	331.08	89,587.76
23	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	959.07	403.18	386,677.84
24	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	64.56	1,240.55	80,089.91
	11. SURFACE RENDERING					
25	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	1,565.04	53.77	84,152.34
		First Floor	P.Sft	1,266.62	53.77	68,106.29
26	11/9 b	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)**				
		Ground Floor	P.Sft	3,595.95	47.30	170,088.44

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		First Floor	P.Sft	3,077.83	47.30	145,581.36
27	11/9 c	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)**				
		Ground Floor	P.Sft	3,465.61	63.63	220,516.76
		First Floor	P.Sft	2,465.86	63.63	156,902.67
28	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	9,505.45	3.98	37,831.67
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	9,505.45	8.65	82,222.10
		ii) two coats	P.Sft	9,505.45	11.99	113,970.29
	12. WOOD WORK					
29	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	203.00	485.35	98,526.05
30	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	203.00	954.35	193,733.05
31	12/22	Providing and fixing, approved quality mortice lock.	Each	11.00	1,114.50	12,259.50
32	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	11.00	178.85	1,967.35
	13. PAINTING AND VARNISHING					
33	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	3,465.61	47.52	164,685.79
		ii) 2nd coat	P.Sft	3,465.61	26.69	92,497.13
	25. IRON WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
34	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P.Sft	102.00	1,562.95	159,420.90
35	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	1,121.06	1,312.45	1,471,335.20
36	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	560.53	544.15	305,012.40
37	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	1,121.06	1,251.00	1,402,446.06
38	25/64	Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Rft	73.00	3,352.70	244,747.10
	26. MISCELLANEOUS					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
39	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	15,014.54	12.55	188,432.51
		Amount for Civil Works				23,029,980.60
		Estimated amount for Non-Schedule & Post Detail Design				26,970,019.40
		Total				**50,000,000.00**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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	72.00	3.00	3.00	1,296.00	
	Short Wall A	2	50.00	3.00	3.00	900.00	
	Internal Wall B	1	50.00	3.00	3.00	450.00	
	Internal Wall B	1	35.50	3.00	3.00	319.50	
	Internal Wall B	3	15.00	3.00	3.00	405.00	
	Internal Wall C	1	13.00	3.00	3.00	117.00	
	Internal Wall C	3	6.00	3.00	3.00	162.00	
	Tow Wall	1	110.00	3.00	3.00	990.00	
	Planter tow wall	2	98.00	2.00	3.00	1,176.00	
	Planter tow wall	2	58.00	2.00	3.00	696.00	
	Planter tow wall	2	54.00	2.00	3.00	648.00	
					Total:	**7,159.50**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	7159.50			**2863.80**	
3	**Filling, watering and ramming earth under floors:-**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	3.50	3055.50	
	Duck Area	2	15.00	90.00	3.50	9450.00	
	Duck Area	1	50.00	55.00	3.50	9625.00	
	Kitchen	1	10.50	15.00	3.50	551.25	
	Store	1	16.75	15.00	3.50	879.38	
	Stair Area	1	13.00	10.84	3.50	493.22	
	Lobby	1	6.00	4.88	3.50	102.48	
	Female Toilet	1	6.00	4.88	3.50	102.48	
	W.C	1	6.00	4.50	3.50	94.50	
	Male Toilet	1	6.63	4.50	3.50	104.34	
	W.C	1	6.00	4.50	3.50	94.50	
		-60%	7159.50			-4295.70	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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:	**20,256.95**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	72.00	3.00	0.25	108.00	
	Short Wall A	2	50.00	3.00	0.25	75.00	
	Internal Wall B	1	50.00	3.00	0.25	37.50	
	Internal Wall B	1	35.50	3.00	0.25	26.63	
	Internal Wall B	3	15.00	3.00	0.25	33.75	
	Internal Wall C	1	13.00	3.00	0.25	9.75	
	Internal Wall C	3	6.00	3.00	0.25	13.50	
	Tow Wall	1	110.00	3.00	0.25	82.50	
	Planter tow wall	2	98.00	2.00	0.25	98.00	
	Planter tow wall	2	58.00	2.00	0.25	58.00	
	Planter tow wall	2	54.00	2.00	0.25	54.00	
					Total:	**596.63**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50	0.25	456.25	
	Terrace Area	1	11.25	35.25	0.25	99.14	
	Staff Rest Dining	1	48.50	18.00	0.25	218.25	
	Store	1	16.75	15.00	0.25	62.81	
	Lobby	1	6.00	4.88	0.25	7.32	
	Female Toilet	1	6.00	4.88	0.25	7.32	
	W.C	1	6.00	4.50	0.25	6.75	
	Male Toilet	1	6.63	4.50	0.25	7.45	
	W.C	1	6.00	4.50	0.25	6.75	
					Total:	**872.05**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Kitchen	1	10.50	15.00	0.17	26.78	
	Store	1	16.75	15.00	0.17	42.71	
	Stair Area	1	13.00	10.84	0.17	23.96	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	
	W.C	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**266.06**	Cft
ii	**First Floor**						
	Terrace Area	1	50.00	36.50	0.17	310.25	
	Terrace Area	1	11.25	35.25	0.17	67.42	
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Store	1	16.75	15.00	0.17	42.71	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**592.99**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	72.00	2.50	0.50	180.00	
	Short Wall A	2	50.00	2.50	0.50	125.00	
	Internal Wall B	1	50.00	2.50	0.50	62.50	
	Internal Wall B	1	35.50	2.50	0.50	44.38	
	Internal Wall B	3	15.00	2.50	0.50	56.25	
	Internal Wall C	1	13.00	2.50	0.50	16.25	
	Internal Wall C	3	6.00	2.50	0.50	22.50	
					Total:	**506.88**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**Plinth Bemas**						
		1	244.00	0.75	0.75	137.25	
ii	**Roof Bemas**						
	Ground Floor	1	244.00	0.75	1.00	183.00	
	First Floor	1	148.00	0.75	1.00	111.00	
iii	**RCC on ROOF Slab**						
	Ground Floor	1	50.00	72.00	0.50	1,800.00	
	First Floor	1	38.75	35.25	0.50	682.97	
iv	**RCC on Stair**						
	Wasite	1	24.00	4.00	0.50	48.00	
	Landing	2	4.00	4.00	0.50	16.00	
	First Floor	10	4.00	1.00	0.50	20.00	
	Wasite	1	18.00	5.00	0.50	45.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Landing	1	5.00	7.00	0.50	17.50	
	First Floor	7	4.00	1.00	0.75	21.00	
v	**RCC on Parapit Wall**						
	Terrace	1	174.75	0.50	3.00	262.13	
	Roof	1	148.00	0.50	3.00	222.00	
					Total	**3,565.84**	Cft
9	**Reinforcement**						
	RCC Footing	1	506.88	2.50	Per Cft	1,267.19	
	Superstructural	1	3,565.84	4.50	Per Cft	16,046.30	
					Total	**17,313.48**	Kg
10	**Horizontal DPC**						
	Long Wall A	2	72.00	0.75		108.00	
	Short Wall A	2	50.00	0.75		75.00	
					Total:	**183.00**	Sft
11	**Vertical DPC**						
	Long Wall A	2	72.00		1.50	216.00	
	Short Wall A	2	50.00		1.50	150.00	
					Total:	**366.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	72.00	1.50	0.50	108.00	
	Short Wall A	2	50.00	1.50	0.50	75.00	
	Internal Wall B	1	50.00	1.50	0.50	37.50	
	Internal Wall B	1	35.50	1.50	0.50	26.63	
	Internal Wall B	3	15.00	1.50	0.50	33.75	
	Internal Wall C	1	13.00	1.50	0.50	9.75	
	Internal Wall C	3	6.00	1.50	0.50	13.50	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Tow Wall	1	110.00	1.50	0.50	82.50	
	Planter tow wall	2	98.00	1.13	0.50	110.25	
	Planter tow wall	2	58.00	1.13	0.50	65.25	
	Planter tow wall	2	54.00	1.13	0.50	60.75	
	2nd Steps						
	Long Wall A	2	72.00	1.13	0.50	81.00	
	Short Wall A	2	50.00	1.13	0.50	56.25	
	Internal Wall B	1	50.00	1.13	0.50	28.13	
	Internal Wall B	1	35.50	1.13	0.50	19.97	
	Internal Wall B	3	15.00	1.13	0.50	25.31	
	Internal Wall C	1	13.00	1.13	0.50	7.31	
	Internal Wall C	3	6.00	1.13	0.50	10.13	
	Tow Wall	1	110.00	1.13	0.50	61.88	
	Planter tow wall	2	98.00	0.75	2.00	294.00	
	Planter tow wall	2	58.00	0.75	2.00	174.00	
	Planter tow wall	2	54.00	0.75	2.00	162.00	
	3rd Steps						
	Long Wall A	2	72.00	0.75	4.00	432.00	
	Short Wall A	2	50.00	0.75	4.00	300.00	
	Internal Wall B	1	50.00	0.75	4.00	150.00	
	Internal Wall B	1	35.50	0.75	4.00	106.50	
	Internal Wall B	3	15.00	0.75	4.00	135.00	
	Internal Wall C	1	13.00	0.75	4.00	39.00	
	Internal Wall C	3	6.00	0.75	4.00	54.00	
	Tow Wall	1	110.00	0.75	3.00	247.50	
	Entrance Steps					-	
	1st Step	1	26.00	5.00	0.50	65.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	2nd Step	1	26.00	4.00	0.50	52.00	
	3rd Step	1	26.00	3.00	0.50	39.00	
					Total:	**3,162.84**	Cft
13	**Brick masonry in super structure**						
i	**Ground Floor**						
	Long Wall A	2	72.00	0.75	11.00	1,188.00	
	Short Wall A	2	50.00	0.75	11.00	825.00	
	Internal Wall B	1	50.00	0.75	11.00	412.50	
	Internal Wall B	1	35.50	0.75	11.00	292.88	
	Internal Wall B	3	15.00	0.75	11.00	371.25	
	Internal Wall C	1	13.00	0.38	11.00	53.63	
	Internal Wall C	3	6.00	0.38	11.00	74.25	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-2	3.00	0.75	7.00	(31.50)	
	Door	-4	2.50	0.38	7.00	(26.25)	
	Window	-2	9.00	0.75	8.00	(108.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-3	10.00	0.75	10.00	(225.00)	
	Open	-1	45.50	0.75	10.00	(341.25)	
	Open	-1	33.00	0.75	10.00	(247.50)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-1	6.00	0.75	4.00	(18.00)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,989.17**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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	38.75	0.75	11.50	668.44	
	Short Wall A	2	35.25	0.75	11.50	608.06	
	Internal Wall B	1	24.25	0.75	11.50	209.16	
	Internal Wall B	2	15.00	0.75	11.50	258.75	
	Internal Wall C	1	13.00	0.38	11.50	56.06	
	Internal Wall C	3	6.00	0.38	11.50	77.63	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-1	3.00	0.75	7.00	(15.75)	
	Door	-4	2.50	0.38	7.00	(26.60)	
	Window	-1	9.00	0.75	8.00	(54.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	15.00	0.75	4.50	(50.63)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,500.28**	Cft
14	**Roof water proofing**						
	Terrace Area	1	2,171.56	Sft		2,171.56	
	Roof Area	1	1,365.94	Sft		1,365.94	
					Total:	**3,537.50**	Sft
15	**Khurras on roof**						
	Terrace	4	1.00			4.00	
	Roof	2	1.00			2.00	
					Total:	**6.00**	Nos
16	**Rain water Down Pipe**						
		4	13.00			52.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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	12.00			24.00	
					Total	**76.00**	Rft
17	**Rain water down pipe cast iron head**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
18	**Rain water down pipe cast iron Shoes, bends**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
19	**Sand filling**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	**Cft**
20	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
					Total	**1,294.45**	Sft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50		1825.00	
	Terrace Area	1	11.25	35.25		396.56	
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
					Total	**3,375.09**	Sft
21	**Wall skirting**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Stair Area	2	13.00		0.50	13.00	
		2	10.84		0.50	10.84	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**132.97**	Sft
ii	**First Floor**						
	Terrace Area	2	50.00		0.50	50.00	
		2	36.50		0.50	36.50	
	Terrace	2	11.25		0.50	11.25	
		2	35.25		0.50	35.25	
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**242.13**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
22	**Glazed tiles 12"X24"**						
i	**Ground Floor**						
	Kitchen	1	10.50	15.00		157.50	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**270.59**	Sft
ii	**First Floor**						
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**113.09**	Sft
23	**Wall skirting/dado**						
i	**Ground Floor**						
	Kitchen	2	10.50		7.00	147.00	
		2	15.00		7.00	210.00	
	Female Toilet	2	6.00		7.00	84.00	
		2	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**959.07**	Sft
ii	**First Floor**						
	Female Toilet	2	6.00		7.00	84.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**602.07**	Sft
24	**Prepolished Granite**						
	Entrance step						
	Steps	1	26.00	1.00		26.00	
		1	26.00	1.00		26.00	
		1	26.00	3.00		78.00	
	Riser	3	26.00		0.50	39.00	
	Stair No.1						
	Steps	20	4.00	1.00		80.00	
	Riser	20	4.00		0.50	40.00	
	Landing	2	4.00	4.00		32.00	
	Stair No.2						
	Steps	14	5.00	1.00		70.00	
	Riser	14	5.00		0.75	52.50	
	Landing	1	5.00	7.00		35.00	
					Total	**478.50**	Sft
25	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,565.04**	Sft
ii	**First Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,266.62**	Sft
26	**Internal Wall Plaster**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Stair Area	2	13.00		11.00	286.00	
		2	10.84		11.00	238.48	
	Lobby	2	6.00		11.00	132.00	
		2	4.88		11.00	107.25	
	Kitchen	2	10.50		11.00	231.00	
		2	15.00		11.00	330.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-2	3.00	50%	7.00	(21.00)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-2	9.00	50%	8.00	(72.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,595.95**	Sft
ii	**First Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Lobby	2	6.00		11.00	132.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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	4.88		11.00	107.36	
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-1	3.00	50%	7.00	(10.50)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,077.83**	Sft
27	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
	Long Wall A	2	72.00	Rft	13.00	1,872.00	
	Short Wall A	2	50.00	Rft	13.00	1,300.00	
	Parapit Wall	2	174.75	Rft	3.00	1,048.50	
	Deduction						
	Window	-2	9.00	50%	8.00	(72.00)	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	External wall						
	Long Wall A	2	38.75	Rft	12.00	930.00	
	Short Wall A	2	35.25	Rft	12.00	846.00	
	Parapit Wall	2	148.00	Rft	3.00	888.00	
	Deduction						
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**2,465.86**	Sft
28	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					1,565.04	
	Qty as per internal plaster of walls					3,595.95	
					Total	**5,160.99**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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	**First Floor**						
	Qty as per internal plaster of Slab					1,266.62	
	Qty as per internal plaster of walls					3,077.83	
					Total	**4,344.45**	Sft
29	**M.S chowkat**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
30	**Soild Core Door**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
31	**Mortice Lock**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
32	**Door Stops**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
33	**Weathersheild paint**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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 External plaster of walls					3,465.61	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	Qty as per External plaster of walls					2,465.86	
					Total	**2,465.86**	Sft
34	**Aluminium Glazed Door**						
i	**Ground Floor**						
	Door	1	6.00		8.50	51.00	
ii	**First Floor**						
	Door	1	6.00		8.50	51.00	
					Total	**102.00**	Sft
35	**Aluminium Window**						
i	**Ground Floor**						
	Window	2	9.00		8.00	144.00	
	Window	2	5.50		8.00	88.00	
	Window	3	10.00		10.00	300.00	
	Window	1	25.84		4.50	116.28	
	Window	1	9.00		4.50	40.50	
	Window	1	6.00		4.00	24.00	
	Window	2	3.00		2.00	12.00	
ii	**First Floor**						
	Window	1	9.00		8.00	72.00	
	Window	2	5.50		8.00	88.00	
	Window	1	25.84		4.50	116.28	
	Window	1	15.00		4.50	67.50	
	Window	1	9.00		4.50	40.50	
	Window	2	3.00		2.00	12.00	
					Total	**1,121.06**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
36	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06	50%		560.53	
					Total	**560.53**	Sft
37	**M.S. flat grill**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06			1,121.06	
					Total	**1,121.06**	Sft
38	**Stair Railing**						
i	**Ground Floor**						
	Railing	1	43.00			43.00	
	Railing	1	30.00			30.00	
					Total	**73.00**	Rft
39	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	72.00	3.00		432.00	
	Short Wall A	2	50.00	3.00		300.00	
	Internal Wall B	1	50.00	3.00		150.00	
	Internal Wall B	1	35.50	3.00		106.50	
	Internal Wall B	3	15.00	3.00		135.00	
	Internal Wall C	1	13.00	3.00		39.00	
	Internal Wall C	3	6.00	3.00		54.00	
	Tow Wall	1	110.00	3.00		330.00	
	Planter tow wall	2	98.00	2.00		392.00	
	Planter tow wall	2	58.00	2.00		232.00	
	Planter tow wall	2	54.00	2.00		216.00	
	sides						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Rehabilitation of Existing Enclosures

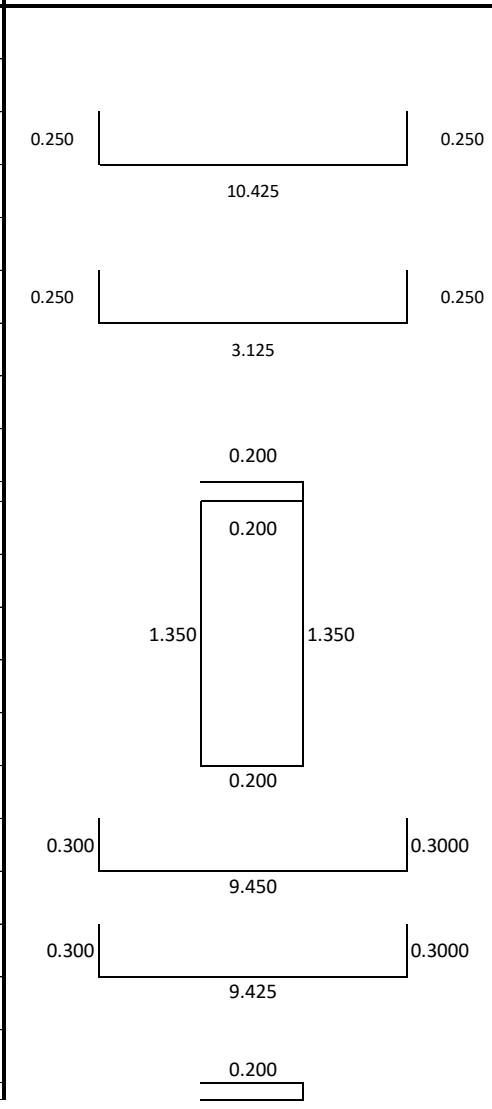
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Long Wall A	4	72.00		3.00	864.00	
	Short Wall A	4	50.00		3.00	600.00	
	Internal Wall B	2	50.00		3.00	300.00	
	Internal Wall B	2	35.50		3.00	213.00	
	Internal Wall B	6	15.00		3.00	270.00	
	Internal Wall C	2	13.00		3.00	78.00	
	Internal Wall C	6	6.00		3.00	108.00	
	Tow Wall	2	110.00		3.00	660.00	
	Planter tow wall	4	98.00		3.00	1,176.00	
	Planter tow wall	4	58.00		3.00	696.00	
	Planter tow wall	4	54.00		3.00	648.00	
	Under Floor						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Duck Area	2	15.00	90.00		2,700.00	
	Duck Area	1	50.00	55.00		2,750.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total:	**15,014.54**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

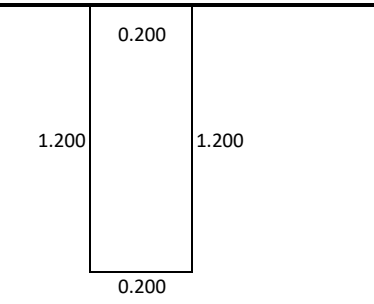
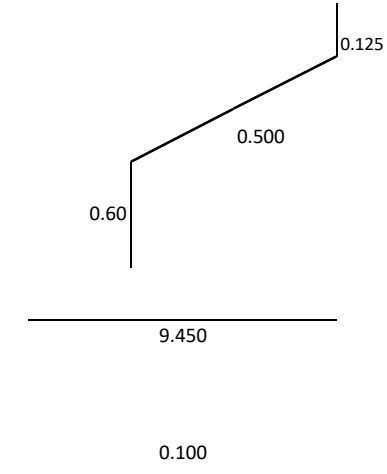
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	



Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

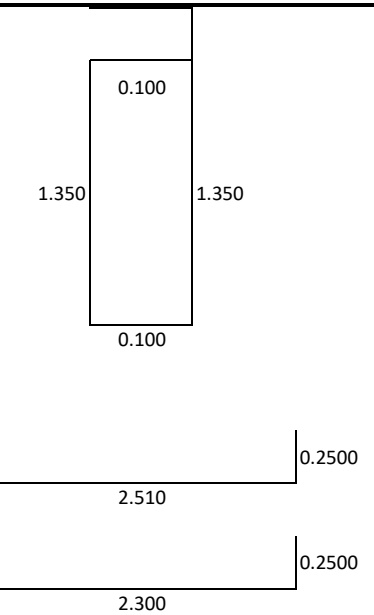
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Long Wall -2 Channel Side										
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	14	41	3.00	121.950	0.888	108.29	
10	Distribution bar outerside @ 200mm c/c	12mm		5	5	25	3.01	75.250	0.888	66.82	
11	Distribution bar inerside @ 200mm c/c	12mm		5	5	25	2.80	70.000	0.888	62.16	
								Total for Each		**1154.22**	
								Total for 15		**17313.48**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	20,000,000	
	Grand.Total	**20,000,000**	**20,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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

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	7,159.50	15.84	113,406.48
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	2,863.80	7.56	21,658.92
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	20,256.95	31.78	643,715.19
	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	596.63	355.28	211,968.93
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	516.46	128.37	66,298.49
		First Floor	P.Cft	872.05	128.37	111,944.58
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	266.06	480.22	127,766.00
		First Floor	P.Cft	592.99	524.86	311,237.49
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)				
		Foundation	P.Cft	506.88	670.00	339,606.25

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
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	10,000	360.40	3,604,000.00
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	183.00	131.27	24,022.41
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	366.00	83.62	30,604.92
	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	3,162.84	398.63	1,260,804.40
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	1,989.17	438.13	871,512.86
		First Floor	P.Cft	1,500.28	458.06	687,219.97
	9. ROOFING					
14	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	3,537.50	190.34	673,327.75
15	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	6.00	1,180.25	7,081.50
16	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	76.00	495.50	37,658.00
17	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	Each	6.00	1,408.00	8,448.00
18	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	6.00	702.65	4,215.90
	10. FLOORING					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
19	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	516.46	57.87	29,887.77
20	10/46 aii	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				
		Ground Floor	P.Sft	1,294.45	457.30	591,951.99
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	3,375.09	468.58	1,581,500.84
21	10/38 aii	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				
		Ground Floor	P.Sft	132.97	458.70	60,991.05
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	242.13	469.98	113,796.26
22	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	270.59	331.08	89,587.76

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
23	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	959.07	403.18	386,677.84
24	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	64.56	1,240.55	80,089.91
	11. SURFACE RENDERING					
25	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	1,565.04	53.77	84,152.34
		First Floor	P.Sft	1,266.62	53.77	68,106.29
26	11/9 b	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)**				
		Ground Floor	P.Sft	3,595.95	47.30	170,088.44
		First Floor	P.Sft	3,077.83	47.30	145,581.36
27	11/9 c	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)**				
		Ground Floor	P.Sft	3,465.61	63.63	220,516.76
		First Floor	P.Sft	2,465.86	63.63	156,902.67
28	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	9,505.45	3.98	37,831.67
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	9,505.45	8.65	82,222.10
		ii) two coats	P.Sft	9,505.45	11.99	113,970.29
	12. WOOD WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
29	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	203.00	485.35	98,526.05
30	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	203.00	954.35	193,733.05
31	12/22	Providing and fixing, approved quality mortice lock.	Each	11.00	1,114.50	12,259.50
32	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	11.00	178.85	1,967.35
	13. PAINTING AND VARNISHING					
33	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	3,465.61	47.52	164,685.79
		ii) 2nd coat	P.Sft	3,465.61	26.69	92,497.13
	25. IRON WORK					
34	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P.Sft	102.00	1,562.95	159,420.90

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
35	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	1,121.06	1,312.45	1,471,335.20
36	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	560.53	544.15	305,012.40
37	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	1,121.06	1,251.00	1,402,446.06
38	25/64	Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Rft	73.00	3,352.70	244,747.10
	26. MISCELLANEOUS					
39	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	15,014.54	12.55	188,432.51
		Amount for Civil Works				17,505,416.41
		Estimated amount for Non-Schedule & Post Detail Design				2,494,583.59
		Total				**20,000,000.00**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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	72.00	3.00	3.00	1,296.00	
	Short Wall A	2	50.00	3.00	3.00	900.00	
	Internal Wall B	1	50.00	3.00	3.00	450.00	
	Internal Wall B	1	35.50	3.00	3.00	319.50	
	Internal Wall B	3	15.00	3.00	3.00	405.00	
	Internal Wall C	1	13.00	3.00	3.00	117.00	
	Internal Wall C	3	6.00	3.00	3.00	162.00	
	Tow Wall	1	110.00	3.00	3.00	990.00	
	Planter tow wall	2	98.00	2.00	3.00	1,176.00	
	Planter tow wall	2	58.00	2.00	3.00	696.00	
	Planter tow wall	2	54.00	2.00	3.00	648.00	
					Total:	**7,159.50**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	7159.50			**2863.80**	
3	**Filling, watering and ramming earth under floors:-**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	3.50	3055.50	
	Duck Area	2	15.00	90.00	3.50	9450.00	
	Duck Area	1	50.00	55.00	3.50	9625.00	
	Kitchen	1	10.50	15.00	3.50	551.25	
	Store	1	16.75	15.00	3.50	879.38	
	Stair Area	1	13.00	10.84	3.50	493.22	
	Lobby	1	6.00	4.88	3.50	102.48	
	Female Toilet	1	6.00	4.88	3.50	102.48	
	W.C	1	6.00	4.50	3.50	94.50	
	Male Toilet	1	6.63	4.50	3.50	104.34	
	W.C	1	6.00	4.50	3.50	94.50	
		-60%	7159.50			-4295.70	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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:	**20,256.95**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	72.00	3.00	0.25	108.00	
	Short Wall A	2	50.00	3.00	0.25	75.00	
	Internal Wall B	1	50.00	3.00	0.25	37.50	
	Internal Wall B	1	35.50	3.00	0.25	26.63	
	Internal Wall B	3	15.00	3.00	0.25	33.75	
	Internal Wall C	1	13.00	3.00	0.25	9.75	
	Internal Wall C	3	6.00	3.00	0.25	13.50	
	Tow Wall	1	110.00	3.00	0.25	82.50	
	Planter tow wall	2	98.00	2.00	0.25	98.00	
	Planter tow wall	2	58.00	2.00	0.25	58.00	
	Planter tow wall	2	54.00	2.00	0.25	54.00	
					Total:	**596.63**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50	0.25	456.25	
	Terrace Area	1	11.25	35.25	0.25	99.14	
	Staff Rest Dining	1	48.50	18.00	0.25	218.25	
	Store	1	16.75	15.00	0.25	62.81	
	Lobby	1	6.00	4.88	0.25	7.32	
	Female Toilet	1	6.00	4.88	0.25	7.32	
	W.C	1	6.00	4.50	0.25	6.75	
	Male Toilet	1	6.63	4.50	0.25	7.45	
	W.C	1	6.00	4.50	0.25	6.75	
					Total:	**872.05**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Kitchen	1	10.50	15.00	0.17	26.78	
	Store	1	16.75	15.00	0.17	42.71	
	Stair Area	1	13.00	10.84	0.17	23.96	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	
	W.C	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**266.06**	Cft
ii	**First Floor**						
	Terrace Area	1	50.00	36.50	0.17	310.25	
	Terrace Area	1	11.25	35.25	0.17	67.42	
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Store	1	16.75	15.00	0.17	42.71	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	W.C	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**592.99**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	72.00	2.50	0.50	180.00	
	Short Wall A	2	50.00	2.50	0.50	125.00	
	Internal Wall B	1	50.00	2.50	0.50	62.50	
	Internal Wall B	1	35.50	2.50	0.50	44.38	
	Internal Wall B	3	15.00	2.50	0.50	56.25	
	Internal Wall C	1	13.00	2.50	0.50	16.25	
	Internal Wall C	3	6.00	2.50	0.50	22.50	
					Total:	**506.88**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**Plinth Bemas**						
		1	244.00	0.75	0.75	137.25	
ii	**Roof Bemas**						
	Ground Floor	1	244.00	0.75	1.00	183.00	
	First Floor	1	148.00	0.75	1.00	111.00	
iii	**RCC on ROOF Slab**						
	Ground Floor	1	50.00	72.00	0.50	1,800.00	
	First Floor	1	38.75	35.25	0.50	682.97	
iv	**RCC on Stair**						
	Wasite	1	24.00	4.00	0.50	48.00	
	Landing	2	4.00	4.00	0.50	16.00	
	First Floor	10	4.00	1.00	0.50	20.00	
	Wasite	1	18.00	5.00	0.50	45.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Landing	1	5.00	7.00	0.50	17.50	
	First Floor	7	4.00	1.00	0.75	21.00	
v	**RCC on Parapit Wall**						
	Terrace	1	174.75	0.50	3.00	262.13	
	Roof	1	148.00	0.50	3.00	222.00	
					Total	**3,565.84**	Cft
9	**Reinforcement**						
	RCC Footing	1	506.88	2.50	Per Cft	1,267.19	
	Superstructural	1	3,565.84	4.50	Per Cft	16,046.30	
					Total	**17,313.48**	Kg
10	**Horizontal DPC**						
	Long Wall A	2	72.00	0.75		108.00	
	Short Wall A	2	50.00	0.75		75.00	
					Total:	**183.00**	Sft
11	**Vertical DPC**						
	Long Wall A	2	72.00		1.50	216.00	
	Short Wall A	2	50.00		1.50	150.00	
					Total:	**366.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	72.00	1.50	0.50	108.00	
	Short Wall A	2	50.00	1.50	0.50	75.00	
	Internal Wall B	1	50.00	1.50	0.50	37.50	
	Internal Wall B	1	35.50	1.50	0.50	26.63	
	Internal Wall B	3	15.00	1.50	0.50	33.75	
	Internal Wall C	1	13.00	1.50	0.50	9.75	
	Internal Wall C	3	6.00	1.50	0.50	13.50	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Tow Wall	1	110.00	1.50	0.50	82.50	
	Planter tow wall	2	98.00	1.13	0.50	110.25	
	Planter tow wall	2	58.00	1.13	0.50	65.25	
	Planter tow wall	2	54.00	1.13	0.50	60.75	
	2nd Steps						
	Long Wall A	2	72.00	1.13	0.50	81.00	
	Short Wall A	2	50.00	1.13	0.50	56.25	
	Internal Wall B	1	50.00	1.13	0.50	28.13	
	Internal Wall B	1	35.50	1.13	0.50	19.97	
	Internal Wall B	3	15.00	1.13	0.50	25.31	
	Internal Wall C	1	13.00	1.13	0.50	7.31	
	Internal Wall C	3	6.00	1.13	0.50	10.13	
	Tow Wall	1	110.00	1.13	0.50	61.88	
	Planter tow wall	2	98.00	0.75	2.00	294.00	
	Planter tow wall	2	58.00	0.75	2.00	174.00	
	Planter tow wall	2	54.00	0.75	2.00	162.00	
	3rd Steps						
	Long Wall A	2	72.00	0.75	4.00	432.00	
	Short Wall A	2	50.00	0.75	4.00	300.00	
	Internal Wall B	1	50.00	0.75	4.00	150.00	
	Internal Wall B	1	35.50	0.75	4.00	106.50	
	Internal Wall B	3	15.00	0.75	4.00	135.00	
	Internal Wall C	1	13.00	0.75	4.00	39.00	
	Internal Wall C	3	6.00	0.75	4.00	54.00	
	Tow Wall	1	110.00	0.75	3.00	247.50	
	Entrance Steps					-	
	1st Step	1	26.00	5.00	0.50	65.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	2nd Step	1	26.00	4.00	0.50	52.00	
	3rd Step	1	26.00	3.00	0.50	39.00	
					Total:	**3,162.84**	Cft
13	**Brick masonry in super structure**						
i	**Ground Floor**						
	Long Wall A	2	72.00	0.75	11.00	1,188.00	
	Short Wall A	2	50.00	0.75	11.00	825.00	
	Internal Wall B	1	50.00	0.75	11.00	412.50	
	Internal Wall B	1	35.50	0.75	11.00	292.88	
	Internal Wall B	3	15.00	0.75	11.00	371.25	
	Internal Wall C	1	13.00	0.38	11.00	53.63	
	Internal Wall C	3	6.00	0.38	11.00	74.25	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-2	3.00	0.75	7.00	(31.50)	
	Door	-4	2.50	0.38	7.00	(26.25)	
	Window	-2	9.00	0.75	8.00	(108.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-3	10.00	0.75	10.00	(225.00)	
	Open	-1	45.50	0.75	10.00	(341.25)	
	Open	-1	33.00	0.75	10.00	(247.50)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-1	6.00	0.75	4.00	(18.00)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,989.17**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Long Wall A	2	38.75	0.75	11.50	668.44	
	Short Wall A	2	35.25	0.75	11.50	608.06	
	Internal Wall B	1	24.25	0.75	11.50	209.16	
	Internal Wall B	2	15.00	0.75	11.50	258.75	
	Internal Wall C	1	13.00	0.38	11.50	56.06	
	Internal Wall C	3	6.00	0.38	11.50	77.63	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-1	3.00	0.75	7.00	(15.75)	
	Door	-4	2.50	0.38	7.00	(26.60)	
	Window	-1	9.00	0.75	8.00	(54.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	15.00	0.75	4.50	(50.63)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,500.28**	Cft
14	**Roof water proofing**						
	Terrace Area	1	2,171.56	Sft		2,171.56	
	Roof Area	1	1,365.94	Sft		1,365.94	
					Total:	**3,537.50**	Sft
15	**Khurras on roof**						
	Terrace	4	1.00			4.00	
	Roof	2	1.00			2.00	
					Total:	**6.00**	Nos
16	**Rain water Down Pipe**						
		4	13.00			52.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
		2	12.00			24.00	
					Total	**76.00**	Rft
17	**Rain water down pipe cast iron head**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
18	**Rain water down pipe cast iron Shoes, bends**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
19	**Sand filling**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	**Cft**
20	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
					Total	**1,294.45**	Sft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50		1825.00	
	Terrace Area	1	11.25	35.25		396.56	
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
					Total	**3,375.09**	Sft
21	**Wall skirting**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Stair Area	2	13.00		0.50	13.00	
		2	10.84		0.50	10.84	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**132.97**	Sft
ii	**First Floor**						
	Terrace Area	2	50.00		0.50	50.00	
		2	36.50		0.50	36.50	
	Terrace	2	11.25		0.50	11.25	
		2	35.25		0.50	35.25	
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**242.13**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
22	**Glazed tiles 12"X24"**						
i	**Ground Floor**						
	Kitchen	1	10.50	15.00		157.50	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**270.59**	Sft
ii	**First Floor**						
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**113.09**	Sft
23	**Wall skirting/dado**						
i	**Ground Floor**						
	Kitchen	2	10.50		7.00	147.00	
		2	15.00		7.00	210.00	
	Female Toilet	2	6.00		7.00	84.00	
		2	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**959.07**	Sft
ii	**First Floor**						
	Female Toilet	2	6.00		7.00	84.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
		2	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**602.07**	Sft
24	**Prepolished Granite**						
	Entrance step						
	Steps	1	26.00	1.00		26.00	
		1	26.00	1.00		26.00	
		1	26.00	3.00		78.00	
	Riser	3	26.00		0.50	39.00	
	Stair No.1						
	Steps	20	4.00	1.00		80.00	
	Riser	20	4.00		0.50	40.00	
	Landing	2	4.00	4.00		32.00	
	Stair No.2						
	Steps	14	5.00	1.00		70.00	
	Riser	14	5.00		0.75	52.50	
	Landing	1	5.00	7.00		35.00	
					Total	**478.50**	Sft
25	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,565.04**	Sft
ii	**First Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,266.62**	Sft
26	**Internal Wall Plaster**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Stair Area	2	13.00		11.00	286.00	
		2	10.84		11.00	238.48	
	Lobby	2	6.00		11.00	132.00	
		2	4.88		11.00	107.25	
	Kitchen	2	10.50		11.00	231.00	
		2	15.00		11.00	330.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-2	3.00	50%	7.00	(21.00)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-2	9.00	50%	8.00	(72.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,595.95**	Sft
ii	**First Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Lobby	2	6.00		11.00	132.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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	4.88		11.00	107.36	
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-1	3.00	50%	7.00	(10.50)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,077.83**	Sft
27	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
	Long Wall A	2	72.00	Rft	13.00	1,872.00	
	Short Wall A	2	50.00	Rft	13.00	1,300.00	
	Parapit Wall	2	174.75	Rft	3.00	1,048.50	
	Deduction						
	Window	-2	9.00	50%	8.00	(72.00)	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	External wall						
	Long Wall A	2	38.75	Rft	12.00	930.00	
	Short Wall A	2	35.25	Rft	12.00	846.00	
	Parapit Wall	2	148.00	Rft	3.00	888.00	
	Deduction						
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**2,465.86**	Sft
28	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					1,565.04	
	Qty as per internal plaster of walls					3,595.95	
					Total	**5,160.99**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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	**First Floor**						
	Qty as per internal plaster of Slab					1,266.62	
	Qty as per internal plaster of walls					3,077.83	
					Total	**4,344.45**	Sft
29	**M.S chowkat**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
30	**Soild Core Door**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
31	**Mortice Lock**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
32	**Door Stops**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
33	**Weathersheild paint**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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 External plaster of walls					3,465.61	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	Qty as per External plaster of walls					2,465.86	
					Total	**2,465.86**	Sft
34	**Aluminium Glazed Door**						
i	**Ground Floor**						
	Door	1	6.00		8.50	51.00	
ii	**First Floor**						
	Door	1	6.00		8.50	51.00	
					Total	**102.00**	Sft
35	**Aluminium Window**						
i	**Ground Floor**						
	Window	2	9.00		8.00	144.00	
	Window	2	5.50		8.00	88.00	
	Window	3	10.00		10.00	300.00	
	Window	1	25.84		4.50	116.28	
	Window	1	9.00		4.50	40.50	
	Window	1	6.00		4.00	24.00	
	Window	2	3.00		2.00	12.00	
ii	**First Floor**						
	Window	1	9.00		8.00	72.00	
	Window	2	5.50		8.00	88.00	
	Window	1	25.84		4.50	116.28	
	Window	1	15.00		4.50	67.50	
	Window	1	9.00		4.50	40.50	
	Window	2	3.00		2.00	12.00	
					Total	**1,121.06**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
36	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06	50%		560.53	
					Total	**560.53**	Sft
37	**M.S. flat grill**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06			1,121.06	
					Total	**1,121.06**	Sft
38	**Stair Railing**						
i	**Ground Floor**						
	Railing	1	43.00			43.00	
	Railing	1	30.00			30.00	
					Total	**73.00**	Rft
39	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	72.00	3.00		432.00	
	Short Wall A	2	50.00	3.00		300.00	
	Internal Wall B	1	50.00	3.00		150.00	
	Internal Wall B	1	35.50	3.00		106.50	
	Internal Wall B	3	15.00	3.00		135.00	
	Internal Wall C	1	13.00	3.00		39.00	
	Internal Wall C	3	6.00	3.00		54.00	
	Tow Wall	1	110.00	3.00		330.00	
	Planter tow wall	2	98.00	2.00		392.00	
	Planter tow wall	2	58.00	2.00		232.00	
	Planter tow wall	2	54.00	2.00		216.00	
	sides						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Residences hall or Hall of Residence (Dormitories) for the Staff at Wildlife Park

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	4	72.00		3.00	864.00	
	Short Wall A	4	50.00		3.00	600.00	
	Internal Wall B	2	50.00		3.00	300.00	
	Internal Wall B	2	35.50		3.00	213.00	
	Internal Wall B	6	15.00		3.00	270.00	
	Internal Wall C	2	13.00		3.00	78.00	
	Internal Wall C	6	6.00		3.00	108.00	
	Tow Wall	2	110.00		3.00	660.00	
	Planter tow wall	4	98.00		3.00	1,176.00	
	Planter tow wall	4	58.00		3.00	696.00	
	Planter tow wall	4	54.00		3.00	648.00	
	Under Floor						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Duck Area	2	15.00	90.00		2,700.00	
	Duck Area	1	50.00	55.00		2,750.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total:	**15,014.54**	**Sft**

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	900,000,000	
	Grand.Total	**900,000,000**	**900,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

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	7,159.50	15.84	113,406.48
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	2,863.80	7.56	21,658.92
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	20,256.95	31.78	643,715.19
	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	596.63	355.28	211,968.93
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	516.46	128.37	66,298.49
		First Floor	P.Cft	872.05	128.37	111,944.58
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	266.06	480.22	127,766.00
		First Floor	P.Cft	592.99	480.22	284,766.35
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)				
		Foundation	P.Cft	506.88	670.00	339,606.25

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

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	3,565.84	817.55	2,915,255.56
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	17,313.48	360.40	6,239,779.77
	Ch-25 I-10	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.	P.Kg	2,092,535.40	394.1985	824,874,317
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	183.00	131.27	24,022.41
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	366.00	83.62	30,604.92
	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	3,162.84	398.63	1,260,804.40
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	1,989.17	438.13	871,512.86
		First Floor	P.Cft	1,500.28	458.06	687,219.97
	9. ROOFING					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
14	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	3,537.50	190.34	673,327.75
15	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	6.00	1,180.25	7,081.50
16	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	76.00	495.50	37,658.00
17	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	Each	6.00	1,408.00	8,448.00
18	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	6.00	702.65	4,215.90
	10. FLOORING					
19	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	516.46	57.87	29,887.77
20	10/46 aii	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				
		Ground Floor	P.Sft	1,294.45	457.30	591,951.99
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	3,375.09	468.58	1,581,500.84
21	10/38 aii	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				
		Ground Floor	P.Sft	132.97	458.70	60,991.05

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	242.13	469.98	113,796.26
22	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	270.59	331.08	89,587.76
23	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	959.07	403.18	386,677.84
24	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	64.56	1,240.55	80,089.91
	11. SURFACE RENDERING					
25	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	1,565.04	53.77	84,152.34
		First Floor	P.Sft	1,266.62	53.77	68,106.29
26	11/9 b	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)**				
		Ground Floor	P.Sft	3,595.95	47.30	170,088.44

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		First Floor	P.Sft	3,077.83	47.30	145,581.36
27	11/9 c	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)**				
		Ground Floor	P.Sft	3,465.61	63.63	220,516.76
		First Floor	P.Sft	2,465.86	63.63	156,902.67
28	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	9,505.45	3.98	37,831.67
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	9,505.45	8.65	82,222.10
		ii) two coats	P.Sft	9,505.45	11.99	113,970.29
	12. WOOD WORK					
29	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	203.00	485.35	98,526.05
30	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	203.00	954.35	193,733.05
31	12/22	Providing and fixing, approved quality mortice lock.	Each	11.00	1,114.50	12,259.50
32	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	11.00	178.85	1,967.35
	13. PAINTING AND VARNISHING					
33	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	3,465.61	47.52	164,685.79
		ii) 2nd coat	P.Sft	3,465.61	26.69	92,497.13
	25. IRON WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
34	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P.Sft	102.00	1,562.95	159,420.90
35	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	1,121.06	1,312.45	1,471,335.20
36	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	560.53	544.15	305,012.40
37	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	1,121.06	1,251.00	1,402,446.06
38	25/64	Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Rft	73.00	3,352.70	244,747.10
	26. MISCELLANEOUS					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
39	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	15,014.54	12.55	188,432.51
		Amount for Civil Works				847,904,297.82
		Estimated amount for Non-Schedule & Post Detail Design				52,095,702.16
		Total				**900,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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	72.00	3.00	3.00	1,296.00	
	Short Wall A	2	50.00	3.00	3.00	900.00	
	Internal Wall B	1	50.00	3.00	3.00	450.00	
	Internal Wall B	1	35.50	3.00	3.00	319.50	
	Internal Wall B	3	15.00	3.00	3.00	405.00	
	Internal Wall C	1	13.00	3.00	3.00	117.00	
	Internal Wall C	3	6.00	3.00	3.00	162.00	
	Tow Wall	1	110.00	3.00	3.00	990.00	
	Planter tow wall	2	98.00	2.00	3.00	1,176.00	
	Planter tow wall	2	58.00	2.00	3.00	696.00	
	Planter tow wall	2	54.00	2.00	3.00	648.00	
					Total:	**7,159.50**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	7159.50			**2863.80**	
3	**Filling, watering and ramming earth under floors:-**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	3.50	3055.50	
	Duck Area	2	15.00	90.00	3.50	9450.00	
	Duck Area	1	50.00	55.00	3.50	9625.00	
	Kitchen	1	10.50	15.00	3.50	551.25	
	Store	1	16.75	15.00	3.50	879.38	
	Stair Area	1	13.00	10.84	3.50	493.22	
	Lobby	1	6.00	4.88	3.50	102.48	
	Female Toilet	1	6.00	4.88	3.50	102.48	
	W.C	1	6.00	4.50	3.50	94.50	
	Male Toilet	1	6.63	4.50	3.50	104.34	
	W.C	1	6.00	4.50	3.50	94.50	
		-60%	7159.50			-4295.70	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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:	**20,256.95**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	72.00	3.00	0.25	108.00	
	Short Wall A	2	50.00	3.00	0.25	75.00	
	Internal Wall B	1	50.00	3.00	0.25	37.50	
	Internal Wall B	1	35.50	3.00	0.25	26.63	
	Internal Wall B	3	15.00	3.00	0.25	33.75	
	Internal Wall C	1	13.00	3.00	0.25	9.75	
	Internal Wall C	3	6.00	3.00	0.25	13.50	
	Tow Wall	1	110.00	3.00	0.25	82.50	
	Planter tow wall	2	98.00	2.00	0.25	98.00	
	Planter tow wall	2	58.00	2.00	0.25	58.00	
	Planter tow wall	2	54.00	2.00	0.25	54.00	
					Total:	**596.63**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50	0.25	456.25	
	Terrace Area	1	11.25	35.25	0.25	99.14	
	Staff Rest Dining	1	48.50	18.00	0.25	218.25	
	Store	1	16.75	15.00	0.25	62.81	
	Lobby	1	6.00	4.88	0.25	7.32	
	Female Toilet	1	6.00	4.88	0.25	7.32	
	W.C	1	6.00	4.50	0.25	6.75	
	Male Toilet	1	6.63	4.50	0.25	7.45	
	W.C	1	6.00	4.50	0.25	6.75	
					Total:	**872.05**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Kitchen	1	10.50	15.00	0.17	26.78	
	Store	1	16.75	15.00	0.17	42.71	
	Stair Area	1	13.00	10.84	0.17	23.96	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	
	W.C	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**266.06**	Cft
ii	**First Floor**						
	Terrace Area	1	50.00	36.50	0.17	310.25	
	Terrace Area	1	11.25	35.25	0.17	67.42	
	Staff Rest Dining	1	48.50	18.00	0.17	148.41	
	Store	1	16.75	15.00	0.17	42.71	
	Lobby	1	6.00	4.88	0.17	4.98	
	Female Toilet	1	6.00	4.88	0.17	4.98	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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	1	6.00	4.50	0.17	4.59	
	Male Toilet	1	6.63	4.50	0.17	5.07	
	W.C	1	6.00	4.50	0.17	4.59	
					Total:	**592.99**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	72.00	2.50	0.50	180.00	
	Short Wall A	2	50.00	2.50	0.50	125.00	
	Internal Wall B	1	50.00	2.50	0.50	62.50	
	Internal Wall B	1	35.50	2.50	0.50	44.38	
	Internal Wall B	3	15.00	2.50	0.50	56.25	
	Internal Wall C	1	13.00	2.50	0.50	16.25	
	Internal Wall C	3	6.00	2.50	0.50	22.50	
					Total:	**506.88**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**Plinth Bemas**						
		1	244.00	0.75	0.75	137.25	
ii	**Roof Bemas**						
	Ground Floor	1	244.00	0.75	1.00	183.00	
	First Floor	1	148.00	0.75	1.00	111.00	
iii	**RCC on ROOF Slab**						
	Ground Floor	1	50.00	72.00	0.50	1,800.00	
	First Floor	1	38.75	35.25	0.50	682.97	
iv	**RCC on Stair**						
	Wasite	1	24.00	4.00	0.50	48.00	
	Landing	2	4.00	4.00	0.50	16.00	
	First Floor	10	4.00	1.00	0.50	20.00	
	Wasite	1	18.00	5.00	0.50	45.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Landing	1	5.00	7.00	0.50	17.50	
	First Floor	7	4.00	1.00	0.75	21.00	
v	**RCC on Parapit Wall**						
	Terrace	1	174.75	0.50	3.00	262.13	
	Roof	1	148.00	0.50	3.00	222.00	
					Total	**3,565.84**	Cft
9	**Reinforcement**						
	RCC Footing	1	506.88	2.50	Per Cft	1,267.19	
	Superstructural	1	3,565.84	4.50	Per Cft	16,046.30	
					Total	**17,313.48**	Kg
10	**Horizontal DPC**						
	Long Wall A	2	72.00	0.75		108.00	
	Short Wall A	2	50.00	0.75		75.00	
					Total:	**183.00**	Sft
11	**Vertical DPC**						
	Long Wall A	2	72.00		1.50	216.00	
	Short Wall A	2	50.00		1.50	150.00	
					Total:	**366.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	72.00	1.50	0.50	108.00	
	Short Wall A	2	50.00	1.50	0.50	75.00	
	Internal Wall B	1	50.00	1.50	0.50	37.50	
	Internal Wall B	1	35.50	1.50	0.50	26.63	
	Internal Wall B	3	15.00	1.50	0.50	33.75	
	Internal Wall C	1	13.00	1.50	0.50	9.75	
	Internal Wall C	3	6.00	1.50	0.50	13.50	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Tow Wall	1	110.00	1.50	0.50	82.50	
	Planter tow wall	2	98.00	1.13	0.50	110.25	
	Planter tow wall	2	58.00	1.13	0.50	65.25	
	Planter tow wall	2	54.00	1.13	0.50	60.75	
	2nd Steps						
	Long Wall A	2	72.00	1.13	0.50	81.00	
	Short Wall A	2	50.00	1.13	0.50	56.25	
	Internal Wall B	1	50.00	1.13	0.50	28.13	
	Internal Wall B	1	35.50	1.13	0.50	19.97	
	Internal Wall B	3	15.00	1.13	0.50	25.31	
	Internal Wall C	1	13.00	1.13	0.50	7.31	
	Internal Wall C	3	6.00	1.13	0.50	10.13	
	Tow Wall	1	110.00	1.13	0.50	61.88	
	Planter tow wall	2	98.00	0.75	2.00	294.00	
	Planter tow wall	2	58.00	0.75	2.00	174.00	
	Planter tow wall	2	54.00	0.75	2.00	162.00	
	3rd Steps						
	Long Wall A	2	72.00	0.75	4.00	432.00	
	Short Wall A	2	50.00	0.75	4.00	300.00	
	Internal Wall B	1	50.00	0.75	4.00	150.00	
	Internal Wall B	1	35.50	0.75	4.00	106.50	
	Internal Wall B	3	15.00	0.75	4.00	135.00	
	Internal Wall C	1	13.00	0.75	4.00	39.00	
	Internal Wall C	3	6.00	0.75	4.00	54.00	
	Tow Wall	1	110.00	0.75	3.00	247.50	
	Entrance Steps					-	
	1st Step	1	26.00	5.00	0.50	65.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	2nd Step	1	26.00	4.00	0.50	52.00	
	3rd Step	1	26.00	3.00	0.50	39.00	
					Total:	**3,162.84**	Cft
13	**Brick masonry in super structure**						
i	**Ground Floor**						
	Long Wall A	2	72.00	0.75	11.00	1,188.00	
	Short Wall A	2	50.00	0.75	11.00	825.00	
	Internal Wall B	1	50.00	0.75	11.00	412.50	
	Internal Wall B	1	35.50	0.75	11.00	292.88	
	Internal Wall B	3	15.00	0.75	11.00	371.25	
	Internal Wall C	1	13.00	0.38	11.00	53.63	
	Internal Wall C	3	6.00	0.38	11.00	74.25	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-2	3.00	0.75	7.00	(31.50)	
	Door	-4	2.50	0.38	7.00	(26.25)	
	Window	-2	9.00	0.75	8.00	(108.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-3	10.00	0.75	10.00	(225.00)	
	Open	-1	45.50	0.75	10.00	(341.25)	
	Open	-1	33.00	0.75	10.00	(247.50)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-1	6.00	0.75	4.00	(18.00)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,989.17**	Cft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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	38.75	0.75	11.50	668.44	
	Short Wall A	2	35.25	0.75	11.50	608.06	
	Internal Wall B	1	24.25	0.75	11.50	209.16	
	Internal Wall B	2	15.00	0.75	11.50	258.75	
	Internal Wall C	1	13.00	0.38	11.50	56.06	
	Internal Wall C	3	6.00	0.38	11.50	77.63	
	Deduction						
	Door	-1	6.00	0.75	8.50	(38.25)	
	Door	-1	3.00	0.75	7.00	(15.75)	
	Door	-4	2.50	0.38	7.00	(26.60)	
	Window	-1	9.00	0.75	8.00	(54.00)	
	Window	-2	5.50	0.75	8.00	(66.00)	
	Window	-1	25.84	0.75	4.50	(87.21)	
	Window	-1	15.00	0.75	4.50	(50.63)	
	Window	-1	9.00	0.75	4.50	(30.38)	
	Window	-2	3.00	0.75	2.00	(9.00)	
					Total:	**1,500.28**	Cft
14	**Roof water proofing**						
	Terrace Area	1	2,171.56	Sft		2,171.56	
	Roof Area	1	1,365.94	Sft		1,365.94	
					Total:	**3,537.50**	Sft
15	**Khurras on roof**						
	Terrace	4	1.00			4.00	
	Roof	2	1.00			2.00	
					Total:	**6.00**	Nos
16	**Rain water Down Pipe**						
		4	13.00			52.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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	12.00			24.00	
					Total	**76.00**	Rft
17	**Rain water down pipe cast iron head**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
18	**Rain water down pipe cast iron Shoes, bends**						
	Roof	6	1.00			6.00	
					Total:	**6.00**	Nos
19	**Sand filling**						
	Staff Rest Dining	1	48.50	18.00	0.33	288.09	
	Kitchen	1	10.50	15.00	0.33	51.98	
	Store	1	16.75	15.00	0.33	82.91	
	Stair Area	1	13.00	10.84	0.33	46.50	
	Lobby	1	6.00	4.88	0.33	9.66	
	Female Toilet	1	6.00	4.88	0.33	9.66	
	W.C	1	6.00	4.50	0.33	8.91	
	Male Toilet	1	6.63	4.50	0.33	9.84	
	W.C	1	6.00	4.50	0.33	8.91	
					Total:	**516.46**	**Cft**
20	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
					Total	**1,294.45**	Sft
ii	**First Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	50.00	36.50		1825.00	
	Terrace Area	1	11.25	35.25		396.56	
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
					Total	**3,375.09**	Sft
21	**Wall skirting**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Stair Area	2	13.00		0.50	13.00	
		2	10.84		0.50	10.84	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**132.97**	Sft
ii	**First Floor**						
	Terrace Area	2	50.00		0.50	50.00	
		2	36.50		0.50	36.50	
	Terrace	2	11.25		0.50	11.25	
		2	35.25		0.50	35.25	
	Staff Rest Dining	2	48.50		0.50	48.50	
		2	18.00		0.50	18.00	
	Store	2	16.75		0.50	16.75	
		2	15.00		0.50	15.00	
	Lobby	2	6.00		0.50	6.00	
		2	4.88		0.50	4.88	
					Total	**242.13**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
22	**Glazed tiles 12"X24"**						
i	**Ground Floor**						
	Kitchen	1	10.50	15.00		157.50	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**270.59**	Sft
ii	**First Floor**						
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**113.09**	Sft
23	**Wall skirting/dado**						
i	**Ground Floor**						
	Kitchen	2	10.50		7.00	147.00	
		2	15.00		7.00	210.00	
	Female Toilet	2	6.00		7.00	84.00	
		2	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**959.07**	Sft
ii	**First Floor**						
	Female Toilet	2	6.00		7.00	84.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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	4.88		7.00	68.32	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
	Male Toilet	2	6.63		7.00	92.75	
		2	4.50		7.00	63.00	
	W.C	2	6.00		7.00	84.00	
		2	4.50		7.00	63.00	
					Total	**602.07**	Sft
24	**Prepolished Granite**						
	Entrance step						
	Steps	1	26.00	1.00		26.00	
		1	26.00	1.00		26.00	
		1	26.00	3.00		78.00	
	Riser	3	26.00		0.50	39.00	
	Stair No.1						
	Steps	20	4.00	1.00		80.00	
	Riser	20	4.00		0.50	40.00	
	Landing	2	4.00	4.00		32.00	
	Stair No.2						
	Steps	14	5.00	1.00		70.00	
	Riser	14	5.00		0.75	52.50	
	Landing	1	5.00	7.00		35.00	
					Total	**478.50**	Sft
25	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,565.04**	Sft
ii	**First Floor**						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Store	1	16.75	15.00		251.25	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total	**1,266.62**	Sft
26	**Internal Wall Plaster**						
i	**Ground Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Stair Area	2	13.00		11.00	286.00	
		2	10.84		11.00	238.48	
	Lobby	2	6.00		11.00	132.00	
		2	4.88		11.00	107.25	
	Kitchen	2	10.50		11.00	231.00	
		2	15.00		11.00	330.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-2	3.00	50%	7.00	(21.00)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-2	9.00	50%	8.00	(72.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,595.95**	Sft
ii	**First Floor**						
	Staff Rest Dining	2	48.50		11.00	1067.00	
		2	18.00		11.00	396.00	
	Store	2	16.75		11.00	368.50	
		2	15.00		11.00	330.00	
	Lobby	2	6.00		11.00	132.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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	4.88		11.00	107.36	
	Female Toilet	2	6.00		11.00	132.00	
		2	4.88		11.00	107.36	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Male Toilet	2	6.63		11.00	145.75	
		2	4.50		11.00	99.00	
	W.C	2	6.00		11.00	132.00	
		2	4.50		11.00	99.00	
	Deduction						
	Door	-1	6.00	50%	8.50	(25.50)	
	Door	-1	3.00	50%	7.00	(10.50)	
	Door	-4	2.50	50%	7.00	(35.00)	
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,077.83**	Sft
27	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
	Long Wall A	2	72.00	Rft	13.00	1,872.00	
	Short Wall A	2	50.00	Rft	13.00	1,300.00	
	Parapit Wall	2	174.75	Rft	3.00	1,048.50	
	Deduction						
	Window	-2	9.00	50%	8.00	(72.00)	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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	5.50	50%	8.00	(44.00)	
	Window	-3	10.00	50%	10.00	(150.00)	
	Open	-1	45.50	50%	10.00	(227.50)	
	Open	-1	33.00	50%	10.00	(165.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-1	6.00	50%	4.00	(12.00)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	External wall						
	Long Wall A	2	38.75	Rft	12.00	930.00	
	Short Wall A	2	35.25	Rft	12.00	846.00	
	Parapit Wall	2	148.00	Rft	3.00	888.00	
	Deduction						
	Window	-1	9.00	50%	8.00	(36.00)	
	Window	-2	5.50	50%	8.00	(44.00)	
	Window	-1	25.84	50%	4.50	(58.14)	
	Window	-1	15.00	50%	4.50	(33.75)	
	Window	-1	9.00	50%	4.50	(20.25)	
	Window	-2	3.00	50%	2.00	(6.00)	
					Total	**2,465.86**	Sft
28	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					1,565.04	
	Qty as per internal plaster of walls					3,595.95	
					Total	**5,160.99**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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	**First Floor**						
	Qty as per internal plaster of Slab					1,266.62	
	Qty as per internal plaster of walls					3,077.83	
					Total	**4,344.45**	Sft
29	**M.S chowkat**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
30	**Soild Core Door**						
i	**Ground Floor**						
	Door 1	2	3.00		7.00	42.00	
	Door 2	4	2.50		7.00	70.00	
ii	**First Floor**						
	Door 1	1	3.00		7.00	21.00	
	Door 2	4	2.50		7.00	70.00	
					Total	**203.00**	Sft
31	**Mortice Lock**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
32	**Door Stops**						
i	Ground Floor	11				11.00	
					Total	**11.00**	**No**
33	**Weathersheild paint**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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 External plaster of walls					3,465.61	
					Total	**3,465.61**	Sft
ii	**First Floor**						
	Qty as per External plaster of walls					2,465.86	
					Total	**2,465.86**	Sft
34	**Aluminium Glazed Door**						
i	**Ground Floor**						
	Door	1	6.00		8.50	51.00	
ii	**First Floor**						
	Door	1	6.00		8.50	51.00	
					Total	**102.00**	Sft
35	**Aluminium Window**						
i	**Ground Floor**						
	Window	2	9.00		8.00	144.00	
	Window	2	5.50		8.00	88.00	
	Window	3	10.00		10.00	300.00	
	Window	1	25.84		4.50	116.28	
	Window	1	9.00		4.50	40.50	
	Window	1	6.00		4.00	24.00	
	Window	2	3.00		2.00	12.00	
ii	**First Floor**						
	Window	1	9.00		8.00	72.00	
	Window	2	5.50		8.00	88.00	
	Window	1	25.84		4.50	116.28	
	Window	1	15.00		4.50	67.50	
	Window	1	9.00		4.50	40.50	
	Window	2	3.00		2.00	12.00	
					Total	**1,121.06**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
36	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06	50%		560.53	
					Total	**560.53**	Sft
37	**M.S. flat grill**						
i	**Ground Floor**						
	Qty same as per item 34	1	1,121.06			1,121.06	
					Total	**1,121.06**	Sft
38	**Stair Railing**						
i	**Ground Floor**						
	Railing	1	43.00			43.00	
	Railing	1	30.00			30.00	
					Total	**73.00**	Rft
39	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	72.00	3.00		432.00	
	Short Wall A	2	50.00	3.00		300.00	
	Internal Wall B	1	50.00	3.00		150.00	
	Internal Wall B	1	35.50	3.00		106.50	
	Internal Wall B	3	15.00	3.00		135.00	
	Internal Wall C	1	13.00	3.00		39.00	
	Internal Wall C	3	6.00	3.00		54.00	
	Tow Wall	1	110.00	3.00		330.00	
	Planter tow wall	2	98.00	2.00		392.00	
	Planter tow wall	2	58.00	2.00		232.00	
	Planter tow wall	2	54.00	2.00		216.00	
	sides						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Elevated Track/Steel Bridge for Animal Viewing. 800 Meters including protection of Elevated Track (Side & Top) from Leopard Attack

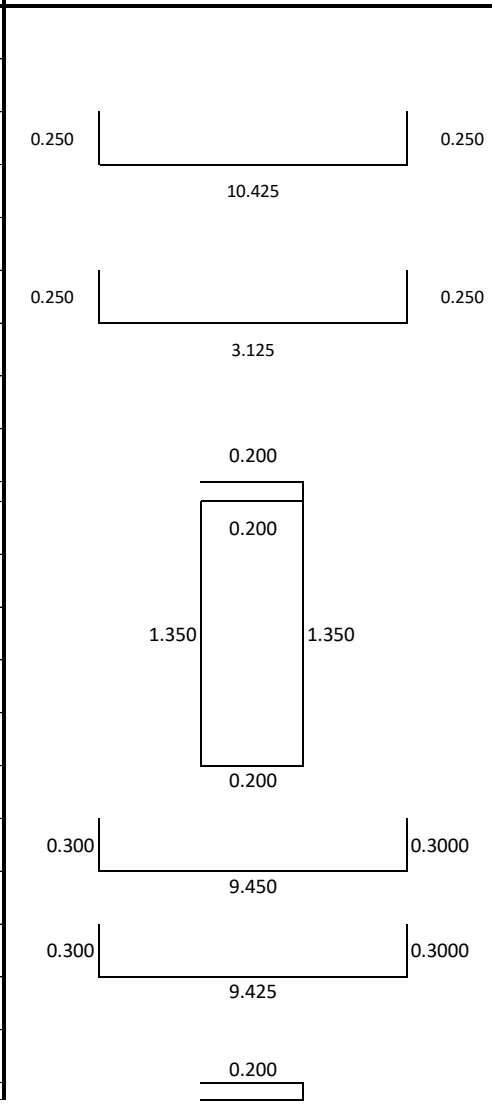
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Long Wall A	4	72.00		3.00	864.00	
	Short Wall A	4	50.00		3.00	600.00	
	Internal Wall B	2	50.00		3.00	300.00	
	Internal Wall B	2	35.50		3.00	213.00	
	Internal Wall B	6	15.00		3.00	270.00	
	Internal Wall C	2	13.00		3.00	78.00	
	Internal Wall C	6	6.00		3.00	108.00	
	Tow Wall	2	110.00		3.00	660.00	
	Planter tow wall	4	98.00		3.00	1,176.00	
	Planter tow wall	4	58.00		3.00	696.00	
	Planter tow wall	4	54.00		3.00	648.00	
	Under Floor						
	Staff Rest Dining	1	48.50	18.00		873.00	
	Duck Area	2	15.00	90.00		2,700.00	
	Duck Area	1	50.00	55.00		2,750.00	
	Kitchen	1	10.50	15.00		157.50	
	Store	1	16.75	15.00		251.25	
	Stair Area	1	13.00	10.84		140.92	
	Lobby	1	6.00	4.88		29.28	
	Female Toilet	1	6.00	4.88		29.28	
	W.C	1	6.00	4.50		27.00	
	Male Toilet	1	6.63	4.50		29.81	
	W.C	1	6.00	4.50		27.00	
					Total:	**15,014.54**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

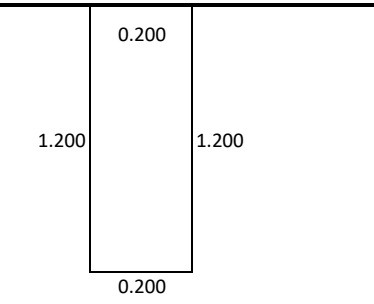
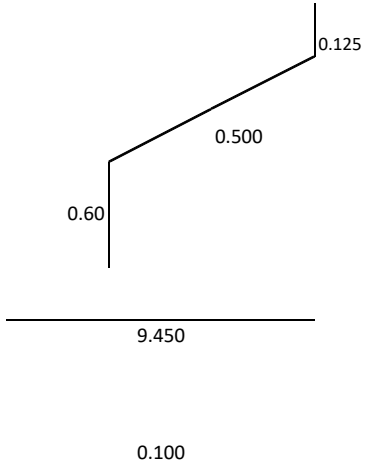
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	



Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

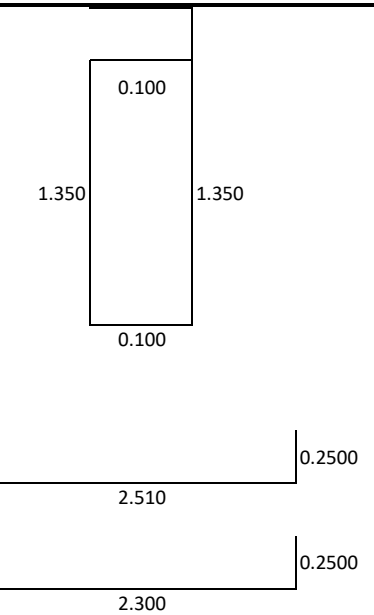
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Long Wall -2 Channel Side										
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	14	41	3.00	121.950	0.888	108.29	
10	Distribution bar outerside @ 200mm c/c	12mm		5	5	25	3.01	75.250	0.888	66.82	
11	Distribution bar inerside @ 200mm c/c	12mm		5	5	25	2.80	70.000	0.888	62.16	
								Total for Each		**1154.22**	
								Total for 15		**17313.48**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the Café(s)

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	50,000,000	
	Grand.Total	**50,000,000**	**50,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the Café(s)

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

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	972.00	15.84	15,396.48
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	388.80	7.56	2,940.49
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	2,816.00	31.78	89,485.44
	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	81.00	355.28	28,777.68
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	232.32	128.37	29,822.92
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	119.68	480.22	57,472.73
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)				
		Foundation	P.Cft	135.00	670.00	90,450.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the Café(s)

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

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	476.77	817.55	389,783.31
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	2,482.97	360.40	894,860.59
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	81.00	131.27	10,632.87
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	162.00	83.62	13,546.44
	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	384.75	398.63	153,372.89
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	592.50	438.13	259,592.03
	10. FLOORING					
14	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	232.32	57.87	13,444.36

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the Café(s)

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

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	704.00	457.30	321,939.20
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	54.00	458.70	24,769.80
	11. SURFACE RENDERING					
17	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	704.00	53.77	37,854.08
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	872.00	47.30	41,245.60
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	980.00	63.63	62,357.40
20	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	1,576.00	3.98	6,272.48
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	1,576.00	8.65	13,632.40
		ii) two coats	P.Sft	1,576.00	11.99	18,896.24
	13. PAINTING AND VARNISHING					
21	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	980.00	47.52	46,569.60
		ii) 2nd coat	P.Sft	980.00	26.69	26,156.20
	26. MISCELLANEOUS					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the Café(s)

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
22	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	1,676.00	12.55	21,033.80
		Total Cost for Each				**2,670,305.03**
		Total Cost for 2 Nos				**5,340,610.06**
		Amount for Civil Works				5,340,610.06
		Estimated amount for Non-Schedule & Post Detail Design				44,659,389.94
		Total				**50,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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						
	Long Wall A	2	32.00	3.00	3.00	576.00	
	Short Wall A	2	22.00	3.00	3.00	396.00	
					Total:	**972.00**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	972.00			**388.80**	
3	**Filling, watering and ramming earth under floors:-**						
	Café	1	32.00	22.00	4.00	2816.00	
					Total:	**2,816.00**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	32.00	3.00	0.25	48.00	
	Short Wall A	2	22.00	3.00	0.25	33.00	
					Total:	**81.00**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Café	1	32.00	22.00	0.33	232.32	
					Total:	**232.32**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Café	1	32.00	22.00	0.17	119.68	
					Total:	**119.68**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	32.00	2.50	0.50	80.00	
	Short Wall A	2	22.00	2.50	0.50	55.00	
					Total:	**135.00**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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		
8	**RCC in roof slab, beam, column & other structural members**						
i	**Plinth Bemas**						
		1	108.00	0.75	0.75	60.75	
ii	**RCC on ROOF Slab**						
	Roof Area	1	704.00	Sft	0.50	352.00	
	self	1	97.00	2.00	0.33	64.02	
					Total	**476.77**	Cft
9	**Reinforcement**						
	RCC Footing	1	135.00	2.50	Per Cft	337.50	
	Superstructural	1	476.77	4.50	Per Cft	2,145.47	
					Total	**2,482.97**	Kg
10	**Horizontal DPC**						
	Long Wall A	1	108.00	0.75		81.00	
					Total:	**81.00**	Sft
11	**Vertical DPC**						
	Long Wall A	1	108.00		1.50	162.00	
					Total:	**162.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	1	108.00	1.50	0.50	81.00	
	2nd Steps						
	Long Wall A	1	108.00	1.13	0.50	60.75	
	3rd Steps						
	Long Wall A	1	108.00	0.75	3.00	243.00	
					Total:	**384.75**	Cft
13	**Brick masonry in super structure**						
	Ground Floor						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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		
	Long Wall A	1	108.00	0.75	12.00	972.00	
	Deduction						
	Door	-1	3.00	0.75	7.00	(15.75)	
	Window	-1	97.00	0.75	5.00	(363.75)	
					Total:	**592.50**	Cft
14	**Sand filling**						
	Café	1	32.00	22.00	0.33	232.32	
					Total:	**232.32**	**Cft**
15	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Café	1	32.00	22.00		704.00	
					Total	**704.00**	Sft
16	**Wall skirting**						
	Café	2	32.00		0.50	32.00	
		2	22.00		0.50	22.00	
					Total	**54.00**	Sft
17	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Café	1	32.00	22.00		704.00	
					Total	**704.00**	Sft
18	**Internal Wall Plaster**						
i	**Ground Floor**						
	Café	2	32.00		11.00	704.00	
		2	22.00		11.00	484.00	
	Deduction						
	Door	-1	21.00	50%	7.00	(73.50)	
	Window	-1	97.00	50%	5.00	(242.50)	
					Total	**872.00**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the Café(s)

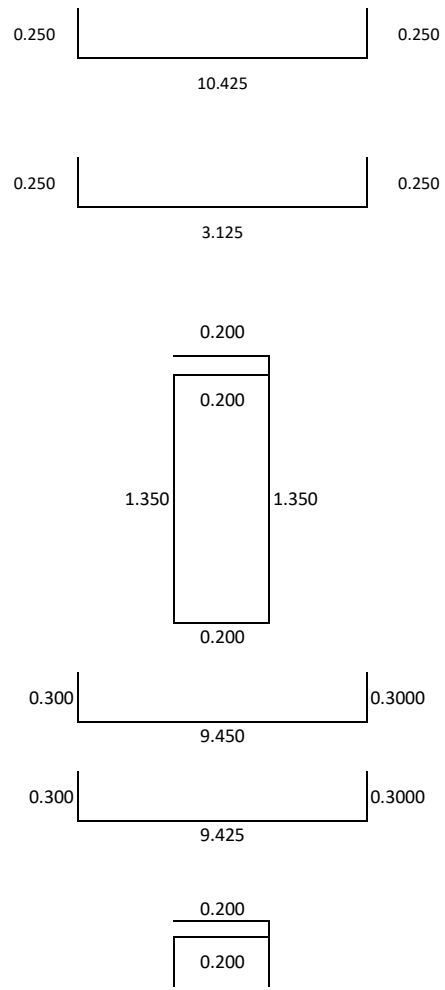
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
19	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
	Long Wall A	1	108.00	Rft	12.00	1,296.00	
	Deduction						
	Door	-1	21.00	50%	7.00	(73.50)	
	Window	-1	97.00	50%	5.00	(242.50)	
					Total	**980.00**	Sft
20	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					704.00	
	Qty as per internal plaster of walls					872.00	
					Total	**1,576.00**	Sft
21	**Weathersheild paint**						
i	**Ground Floor**						
	Qty as per External plaster of walls					980.00	
					Total	**980.00**	Sft
22	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	32.00	3.00		192.00	
	Short Wall A	2	22.00	3.00		132.00	
	sides						
	Long Wall A	4	32.00		3.00	384.00	
	Short Wall A	4	22.00		3.00	264.00	
	Under Floor						
	Café	1	32.00	22.00		704.00	
					Total:	**1,676.00**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

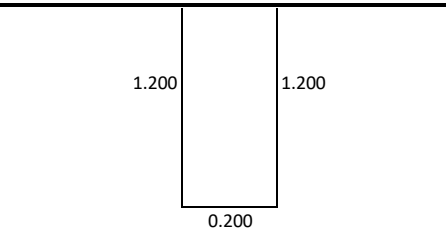
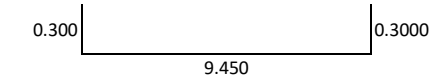
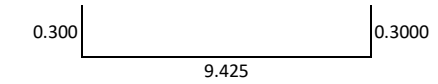
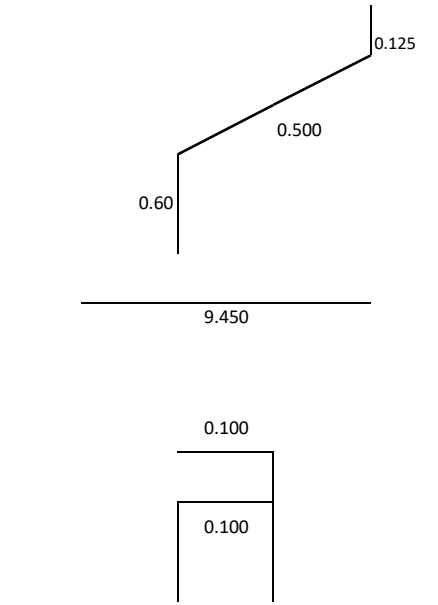
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	
	Long Wall -2 Channel Side										



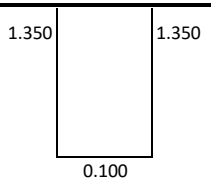
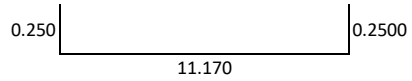
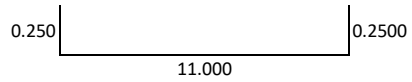
Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	57	171	3.00	511.650	0.888	454.35	

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
											
10	Distribution bar outerside @ 200mm c/c	12mm		18	3	54	11.67	630.180	0.888	559.60	
11	Distribution bar inerside @ 200mm c/c	12mm		18	3	54	11.50	621.000	0.888	551.45	
									Total	**2482.97**	

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Elevated Wooden Deck for View Point

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	10,235,000	
	Grand.Total	**10,235,000**	**10,235,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Elevated Wooden Deck for View Point

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

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	972.00	15.84	15,396.48
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	388.80	7.56	2,940.49
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	2,816.00	31.78	89,485.44
	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	81.00	355.28	28,777.68
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	232.32	128.37	29,822.92
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	119.68	480.22	57,472.73
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)				
		Foundation	P.Cft	135.00	670.00	90,450.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Elevated Wooden Deck for View Point

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

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	476.77	817.55	389,783.31
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	2,482.97	360.40	894,860.59
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	81.00	131.27	10,632.87
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	162.00	83.62	13,546.44
	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	384.75	398.63	153,372.89
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	592.50	438.13	259,592.03
	10. FLOORING					
14	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	232.32	57.87	13,444.36

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Elevated Wooden Deck for View Point

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

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	704.00	457.30	321,939.20
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	54.00	458.70	24,769.80
	11. SURFACE RENDERING					
17	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	704.00	53.77	37,854.08
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	872.00	47.30	41,245.60
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	980.00	63.63	62,357.40
20	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	1,576.00	3.98	6,272.48
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	1,576.00	8.65	13,632.40
		ii) two coats	P.Sft	1,576.00	11.99	18,896.24
	13. PAINTING AND VARNISHING					
21	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	980.00	47.52	46,569.60
		ii) 2nd coat	P.Sft	980.00	26.69	26,156.20
	26. MISCELLANEOUS					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Elevated Wooden Deck for View Point

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
22	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	1,676.00	12.55	21,033.80
		Total Cost for Each				**2,670,305.03**
		Total Cost for 2 Nos				**5,340,610.06**
		Amount for Civil Works				5,340,610.06
		Estimated amount for Non-Schedule & Post Detail Design				4,894,389.94
		Total				**10,235,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Elevated Wooden Deck for View Point

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	32.00	3.00	3.00	576.00	
	Short Wall A	2	22.00	3.00	3.00	396.00	
					Total:	**972.00**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	972.00			**388.80**	
3	**Filling, watering and ramming earth under floors:-**						
	Café	1	32.00	22.00	4.00	2816.00	
					Total:	**2,816.00**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	32.00	3.00	0.25	48.00	
	Short Wall A	2	22.00	3.00	0.25	33.00	
					Total:	**81.00**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Café	1	32.00	22.00	0.33	232.32	
					Total:	**232.32**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Café	1	32.00	22.00	0.17	119.68	
					Total:	**119.68**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	32.00	2.50	0.50	80.00	
	Short Wall A	2	22.00	2.50	0.50	55.00	
					Total:	**135.00**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Elevated Wooden Deck for View Point

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 Bemas**						
		1	108.00	0.75	0.75	60.75	
ii	**RCC on ROOF Slab**						
	Roof Area	1	704.00	Sft	0.50	352.00	
	self	1	97.00	2.00	0.33	64.02	
					Total	**476.77**	Cft
9	**Reinforcement**						
	RCC Footing	1	135.00	2.50	Per Cft	337.50	
	Superstructural	1	476.77	4.50	Per Cft	2,145.47	
					Total	**2,482.97**	Kg
10	**Horizontal DPC**						
	Long Wall A	1	108.00	0.75		81.00	
					Total:	**81.00**	Sft
11	**Vertical DPC**						
	Long Wall A	1	108.00		1.50	162.00	
					Total:	**162.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	1	108.00	1.50	0.50	81.00	
	2nd Steps						
	Long Wall A	1	108.00	1.13	0.50	60.75	
	3rd Steps						
	Long Wall A	1	108.00	0.75	3.00	243.00	
					Total:	**384.75**	Cft
13	**Brick masonry in super structure**						
	Ground Floor						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Elevated Wooden Deck for View Point

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	108.00	0.75	12.00	972.00	
	Deduction						
	Door	-1	3.00	0.75	7.00	(15.75)	
	Window	-1	97.00	0.75	5.00	(363.75)	
					Total:	**592.50**	Cft
14	**Sand filling**						
	Café	1	32.00	22.00	0.33	232.32	
					Total:	**232.32**	**Cft**
15	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Café	1	32.00	22.00		704.00	
					Total	**704.00**	Sft
16	**Wall skirting**						
	Café	2	32.00		0.50	32.00	
		2	22.00		0.50	22.00	
					Total	**54.00**	Sft
17	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Café	1	32.00	22.00		704.00	
					Total	**704.00**	Sft
18	**Internal Wall Plaster**						
i	**Ground Floor**						
	Café	2	32.00		11.00	704.00	
		2	22.00		11.00	484.00	
	Deduction						
	Door	-1	21.00	50%	7.00	(73.50)	
	Window	-1	97.00	50%	5.00	(242.50)	
					Total	**872.00**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Elevated Wooden Deck for View Point

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	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
	Long Wall A	1	108.00	Rft	12.00	1,296.00	
	Deduction						
	Door	-1	21.00	50%	7.00	(73.50)	
	Window	-1	97.00	50%	5.00	(242.50)	
					Total	**980.00**	Sft
20	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					704.00	
	Qty as per internal plaster of walls					872.00	
					Total	**1,576.00**	Sft
21	**Weathersheild paint**						
i	**Ground Floor**						
	Qty as per External plaster of walls					980.00	
					Total	**980.00**	Sft
22	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	32.00	3.00		192.00	
	Short Wall A	2	22.00	3.00		132.00	
	sides						
	Long Wall A	4	32.00		3.00	384.00	
	Short Wall A	4	22.00		3.00	264.00	
	Under Floor						
	Café	1	32.00	22.00		704.00	
					Total:	**1,676.00**	**Sft**

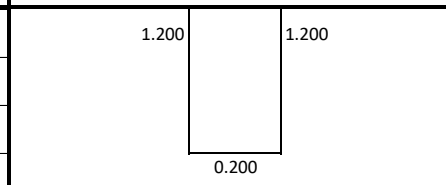
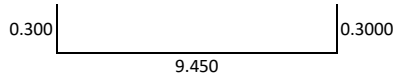
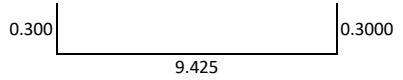
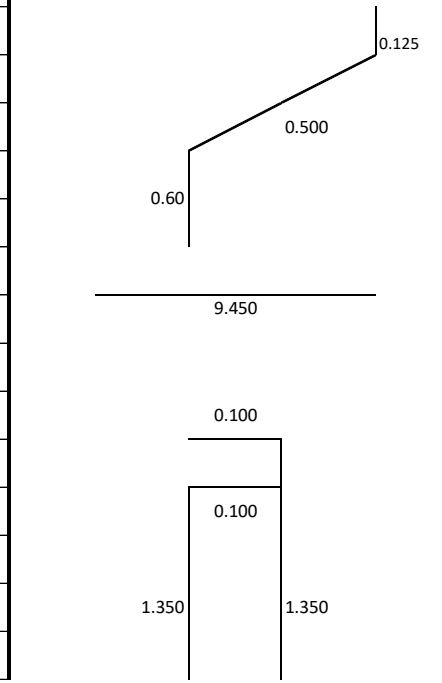
Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	0.250 — 10.425 — 0.250
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	0.250 — 3.125 — 0.250
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	0.200 / 0.200 / 1.350 / 1.350 / 0.200
	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	0.300 — 9.450 — 0.3000
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	0.300 — 9.425 — 0.3000
	Long Wall -2 Channel Side										0.200 / 0.200
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	

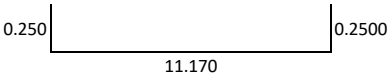
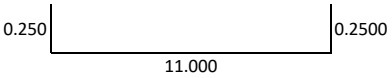
Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
											
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	57	171	3.00	511.650	0.888	454.35	

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
10	Distribution bar outerside @ 200mm c/c	12mm		18	3	54	11.67	630.180	0.888	559.60	
11	Distribution bar inerside @ 200mm c/c	12mm		18	3	54	11.50	621.000	0.888	551.45	
									Total	**2482.97**	

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	30,846,020	
	Grand.Total	**30,846,020**	**30,846,020**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

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	1,161.00	15.84	18,390.24
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	464.40	7.56	3,512.26
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	1,760.40	31.78	55,941.11
	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	96.75	355.28	34,373.34
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	202.70	128.37	26,020.92
		First Floor	P.Cft	180.33	128.37	23,149.09
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	104.42	480.22	50,145.77
		First Floor	P.Cft	92.90	480.22	44,611.37
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)				
		Foundation	P.Cft	161.25	670.00	108,037.50

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

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	795.42	817.55	650,297.15
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	2,789.39	360.40	1,005,296.38
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	73.50	131.27	9,648.35
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	147.00	83.62	12,292.14
	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	470.56	398.63	187,580.33
13	7/5 i	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4				
		Ground Floor	P.Cft	558.38	438.13	244,640.84
		First Floor	P.Cft	746.11	458.06	341,762.00
	9. ROOFING					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
14	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	250.00	190.34	47,585.00
15	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	1.00	1,180.25	1,180.25
16	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	13.00	495.50	6,441.50
17	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	Each	1.00	1,408.00	1,408.00
18	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	Each	1.00	702.65	702.65
	10. FLOORING					
19	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	202.70	57.87	11,730.39
20	10/46 aii	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				
		Ground Floor	P.Sft	614.25	457.30	280,896.53
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	515.44	468.58	241,523.70
21	10/38 aii	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				
		Ground Floor	P.Sft	74.00	458.70	33,943.80

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	67.63	469.98	31,782.40
22	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	31.50	331.08	10,429.02
23	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"				
	10/19	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.				
		First Floor	P.Sft	157.50	403.18	63,500.85
24	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	64.56	1,240.55	80,089.91
	11. SURFACE RENDERING					
25	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	614.25	53.77	33,028.22
		First Floor	P.Sft	735.00	53.77	39,520.95
26	11/9 b	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick (**Internal Plaster)**				
		Ground Floor	P.Sft	787.50	47.30	37,248.75

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		First Floor	P.Sft	1,373.53	47.30	64,967.97
27	11/9 c	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick **(External Plaster)**				
		Ground Floor	P.Sft	2,139.25	63.63	136,120.48
		First Floor	P.Sft	2,080.78	63.63	132,400.03
28	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	3,510.28	3.98	13,970.91
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	3,510.28	8.65	30,363.92
		ii) two coats	P.Sft	3,510.28	11.99	42,088.26
	12. WOOD WORK					
29	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	40.25	485.35	19,535.34
30	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	40.25	954.35	38,412.59
31	12/22	Providing and fixing, approved quality mortice lock.	Each	2.00	1,114.50	2,229.00
32	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	2.00	178.85	357.70
33	12/62	Providing and fixing 24" Deep Box type Wardrobe consisting of 3/4" thick UV coated MDF board (Medium density Fiber board) Sheet both side glazed shutters and box comprising of 3/4" thick laminated MDF sheet i/c the cost of 1mm thick PVC tape duly hot pressed on all edges of the shutters/ panels/ drawers etc., with machine i/c the cost of self closing blum type hinges, handles, screws, Glue and rawal plugs, Drawers & locking arrangement complete in all respect as approved and directed by Engineer Incharge.	P.Sft	66.00	1,314.30	86,743.80
	13. PAINTING AND VARNISHING					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
34	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	2,139.25	47.52	101,657.16
		ii) 2nd coat	P.Sft	2,139.25	26.69	57,096.58
	25. IRON WORK					
35	25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P.Sft	50.00	1,562.95	78,147.50
36	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	302.44	1,312.45	396,937.38
37	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	151.22	544.15	82,286.36
38	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	302.44	1,251.00	378,352.44

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
39	25/64	Providing and fixing 2' 9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squarpipe/ Tong (chimta) @2-ft c/c fixed on alternate steps with 3" long steel screw sand brass rawal plugs, 3-Nos dia gonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	P.Rft	104.25	3,352.70	349,518.98
	26. MISCELLANEOUS					
40	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	1,161.00	12.55	14,570.55
41	**NS-1**	Providing and fixing **wooden cladding** on interior and exterior wall and roof cladding of approved quality and shade, complete in all respects as approved and directed by the Engineer Incharge.	P.Sft	735.00	300.00	220,500.00
		Total for Each				**5,982,967.65**
		Total for 4 Nos.				**23,931,870.61**
		Amount for Civil Works				23,931,870.61
		Estimated amount for Non-Schedule & Post Detail Design				6,914,149.39
		Total				**30,846,020**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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	25.00	3.00	3.00	450.00	
	Short Wall A	2	27.00	3.00	3.00	486.00	
	Internal Wall	1	25.00	3.00	3.00	225.00	
					Total:	**1,161.00**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	1161.00			**464.40**	
3	**Filling, watering and ramming earth under floors:-**						
	Lounge	1	23.50	15.50	4.00	1457.00	
	Duck	1	25.00	10.00	4.00	1000.00	
		-60%	1161.00			-696.60	
					Total:	**1,760.40**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Long Wall A	2	25.00	3.00	0.25	37.50	
	Short Wall A	2	27.00	3.00	0.25	40.50	
	Internal Wall	1	25.00	3.00	0.25	18.75	
					Total:	**96.75**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						
	Lounge	1	23.50	15.50	0.33	120.20	
	Duck	1	25.00	10.00	0.33	82.50	
					Total:	**202.70**	Cft
ii	**First Floor**						
	Bed	1	17.13	15.50	0.33	87.59	
	Bath	1	6.00	5.17	0.33	10.24	
	Terrace	1	25.00	10.00	0.33	82.50	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
					Total:	**180.33**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Lounge	1	23.50	15.50	0.17	61.92	
	Duck	1	25.00	10.00	0.17	42.50	
					Total:	**104.42**	Cft
ii	**First Floor**						
	Bed	1	17.13	15.50	0.17	45.12	
	Bath	1	6.00	5.17	0.17	5.27	
	Terrace	1	25.00	10.00	0.17	42.50	
					Total:	**92.90**	Cft
7	**R.C.C. in Raft foundation**						
	Long Wall A	2	25.00	2.50	0.50	62.50	
	Short Wall A	2	27.00	2.50	0.50	67.50	
	Internal Wall	1	25.00	2.50	0.50	31.25	
					Total:	**161.25**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**Plinth Bemas**						
		1	104.00	0.75	0.75	58.50	
ii	**RCC on ROOF Slab**						
	Ground Floor	1	25.00	27.00	0.50	337.50	
	First Floor	1	30.00	24.50	0.50	367.50	
iii	**RCC on Door Window Lintel**						
i	**Ground Floor**						
	Window	2	8.50	0.75	0.75	9.56	
ii	**First Floor**						
	Window	1	10.75	0.75	0.75	6.05	
	Window	2	6.00	0.75	0.75	6.75	
	Window	2	4.50	0.75	0.75	5.06	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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	4.00	0.75	0.75	4.50	
					Total	**795.42**	Cft
9	**Reinforcement**						
	RCC Footing	1	161.25	2.50	Per Cft	403.13	
	Superstructural	1	795.42	3.00	Per Cft	2,386.27	
					Total	**2,789.39**	Kg
10	**Horizontal DPC**						
	Long Wall A	2	25.00	0.75		37.50	
	Short Wall A	2	24.00	0.75		36.00	
					Total:	**73.50**	Sft
11	**Vertical DPC**						
	Long Wall A	2	25.00		1.50	75.00	
	Short Wall A	2	24.00		1.50	72.00	
					Total:	**147.00**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	25.00	1.50	0.50	37.50	
	Short Wall A	2	27.00	1.50	0.50	40.50	
	Internal Wall	1	25.00	1.50	0.50	18.75	
	2nd Steps						
	Long Wall A	2	25.00	1.13	0.50	28.13	
	Short Wall A	2	27.00	1.13	0.50	30.38	
	Internal Wall	1	25.00	1.13	0.50	14.06	
	3rd Steps						
	Long Wall A	2	25.00	0.75	3.00	112.50	
	Short Wall A	2	27.00	0.75	3.00	121.50	
	Internal Wall	1	25.00	0.75	3.00	56.25	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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 Steps					-	
	1st Step	1	8.00	2.00	0.50	8.00	
	2nd Step	1	6.00	1.00	0.50	3.00	
					Total:	**470.56**	Cft
13	**Brick masonry in super structure**						
i	**Ground Floor**						
	Long Wall A	2	25.00	0.75	11.00	412.50	
	Short Wall A	2	17.00	0.75	11.00	280.50	
	Deduction						
	Door	-1	5.00	0.75	10.00	(37.50)	
	Window	-2	7.00	0.75	9.25	(97.13)	
					Total:	**558.38**	Cft
ii	**First Floor**						
	Long Wall A	2	25.00	0.75	12.50	468.75	
	Short Wall A	2	17.00	0.75	12.50	318.75	
	Bath	1	6.00	0.75	12.50	56.25	
	Bath	1	5.50	0.38	12.50	25.78	
	Wardrobe	1	12.00	0.38	12.50	56.25	
	Deduction						
	Door	-1	3.25	0.38	7.00	(8.53)	
	Door	-1	2.50	0.38	7.00	(6.56)	
	Window	-1	9.25	0.75	12.00	(83.25)	
	Window	-2	5.88	0.75	6.50	(57.33)	
	Window	-2	3.00	0.75	4.50	(20.25)	
	Window	-1	2.50	0.75	2.00	(3.75)	
					Total:	**746.11**	Cft
14	**Roof water proofing**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Terrace Area	1	250.00	Sft		250.00	
					Total:	**250.00**	Sft
15	**Khurras on roof**						
	Roof	1	1.00			1.00	
					Total:	**1.00**	Nos
16	**Rain water Down Pipe**						
		1	13.00			13.00	
					Total	**13.00**	Rft
17	**Rain water down pipe cast iron head**						
	Roof	1	1.00			1.00	
					Total:	**1.00**	Nos
18	**Rain water down pipe cast iron Shoes, bends**						
	Roof	1	1.00			1.00	
					Total:	**1.00**	Nos
19	**Sand filling**						
	Lounge	1	23.50	15.50	0.33	120.20	
	Duck	1	25.00	10.00	0.33	82.50	
					Total:	**202.70**	**Cft**
20	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Lounge	1	23.50	15.50		364.25	
	Duck	1	25.00	10.00		250.00	
					Total	**614.25**	Sft
ii	**First Floor**						
	Bed	1	17.13	15.50		265.44	
	Terrace	1	25.00	10.00		250.00	
					Total	**515.44**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
21	**Wall skirting**						
i	**Ground Floor**						
	Lounge	2	23.50		0.50	23.50	
		2	15.50		0.50	15.50	
	Duck	2	25.00		0.50	25.00	
		2	10.00		0.50	10.00	
					Total	**74.00**	Sft
ii	**First Floor**						
	Bed	2	17.13		0.50	17.13	
		2	15.50		0.50	15.50	
	Terrace	2	25.00		0.50	25.00	
		2	10.00		0.50	10.00	
					Total	**67.63**	Sft
22	**Glazed tiles 12"X24"**						
i	**First Floor**						
	Bath	1	6.00	5.25		31.50	
					Total	**31.50**	Sft
23	**Wall skirting/dado**						
i	**First Floor**						
	Bath	2	6.00		7.00	84.00	
		2	5.25		7.00	73.50	
					Total	**157.50**	Sft
24	**Prepolished Granite**						
	Entrance step						
	Steps	1	10.00	1.00		10.00	
		1	6.00	1.00		6.00	
	Riser	1	12.00		0.50	6.00	
		1	8.00		0.50	4.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Stair Steps						
	Steps	20	4.00	1.00		80.00	
	Riser	20	4.00		0.50	40.00	
					Total	**146.00**	Sft
25	**Slab Plaster 3/8" thick 1:3 to R.C.C. Slabs**						
i	**Ground Floor**						
	Lounge	1	23.50	15.50		364.25	
	Duck	1	25.00	10.00		250.00	
					Total	**614.25**	Sft
ii	**First Floor**						
	Bed	1	30.00	24.50		735.00	
					Total	**735.00**	Sft
26	**Internal Wall Plaster**						
i	**Ground Floor**						
	Lounge	2	23.50		11.00	517.00	
		2	15.50		11.00	341.00	
	Deduction						
	Door	-1	5.00	50%	10.00	(25.00)	
	Window	-2	7.00	50%	6.50	(45.50)	
					Total	**787.50**	Sft
ii	**First Floor**						
	Bed	2	17.13		12.50	428.13	
		2	15.50		12.50	387.50	
	Bath	2	6.00		12.50	150.00	
		2	5.25		12.50	131.25	
	Stair Wall	1	32.00		12.50	400.00	
	Deduction						
	Door	-1	3.25	50%	7.00	(11.38)	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Door	-1	2.50	50%	7.00	(8.75)	
	Window	-1	9.25	50%	12.00	(55.50)	
	Window	-2	4.88	50%	6.50	(31.72)	
	Window	-2	3.00	50%	4.50	(13.50)	
	Window	-1	2.50	50%	2.00	(2.50)	
					Total	**1,373.53**	Sft
27	**External Wall Plaster**						
i	**Ground Floor**						
	External wall						
	Long Wall A	2	84.00	Rft	13.00	2,184.00	
	Parapit Wall	2	45.00	Rft	0.50	45.00	
	Deduction						
	Door	-1	5.00	50%	10.00	(25.00)	
	Window	-2	7.00	50%	9.25	(64.75)	
					Total	**2,139.25**	Sft
ii	**First Floor**						
	External wall						
	Long Wall A	2	84.00	Rft	13.00	2,184.00	
	Deduction						
	Window	-1	9.25	50%	12.00	(55.50)	
	Window	-2	4.88	50%	6.50	(31.72)	
	Window	-2	3.00	50%	4.50	(13.50)	
	Window	-1	2.50	50%	2.00	(2.50)	
					Total	**2,080.78**	Sft
28	**Distempering**						
i	**Ground Floor**						
	Qty as per internal plaster of Slab					614.25	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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					787.50	
					Total	**1,401.75**	Sft
ii	**First Floor**						
	Qty as per internal plaster of Slab					735.00	
	Qty as per internal plaster of walls					1,373.53	
					Total	**2,108.53**	Sft
29	**M.S chowkat**						
i	**First Floor**						
	Door 1	1	3.25		7.00	22.75	
	Door 2	1	2.50		7.00	17.50	
					Total	**40.25**	Sft
30	**Soild Core Door**						
i	**First Floor**						
	Door 1	1	3.25		7.00	22.75	
	Door 2	1	2.50		7.00	17.50	
					Total	**40.25**	Sft
31	**Mortice Lock**						
i	Ground Floor	2				2.00	
					Total	**2.00**	**No**
32	**Door Stops**						
i	Ground Floor	2				2.00	
					Total	**2.00**	**No**
33	**Wardrobe**						
i	**First Floor**						
	Wardrobe	1	6.00		11.00	66.00	
					Total	**66.00**	Sft
34	**Weathersheild paint**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

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 External plaster of walls					2,139.25	
					Total	**2,139.25**	Sft
ii	**First Floor**						
	Qty as per External plaster of walls					2,080.78	
					Total	**2,080.78**	Sft
35	**Aluminium Glazed Door**						
	Door	1	5.00		10.00	50.00	
					Total	**50.00**	Sft
36	**Aluminium Window**						
i	**Ground Floor**						
	Window	2	7.00		6.50	91.00	
ii	**First Floor**						
	Window	1	9.25		12.00	111.00	
	Window	2	4.88		6.50	63.44	
	Window	2	3.00		4.50	27.00	
	Window	2	2.50		2.00	10.00	
					Total	**302.44**	Sft
37	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per item 34	1	302.44	50%		151.22	
					Total	**151.22**	Sft
38	**M.S. flat grill**						
i	**Ground Floor**						
	Qty same as per item 34	1	302.44			302.44	
					Total	**302.44**	Sft
39	**Stair Railing**						
i	**Ground Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Fully Functional Tree Houses

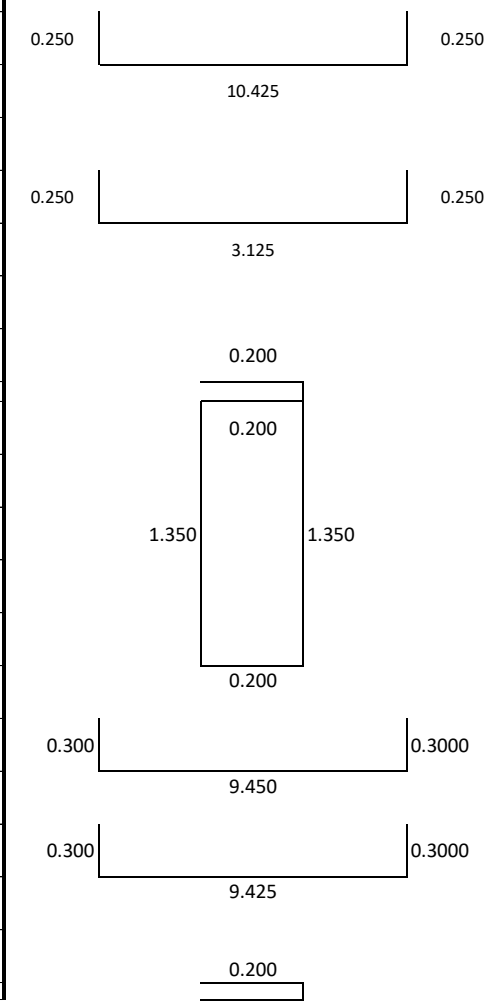
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Railing	1	20.00			20.00	
	Duck	1	39.25			39.25	
	Terrace	1	45.00			45.00	
					Total	**104.25**	Rft
40	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	25.00	3.00		150.00	
	Short Wall A	2	27.00	3.00		162.00	
	Internal Wall	1	25.00	3.00		75.00	
	sides						
	Long Wall A	4	25.00		3.00	300.00	
	Short Wall A	4	27.00		3.00	324.00	
	Internal Wall	2	25.00		3.00	150.00	
	Under Floor						
	Lounge	1	23.50	15.50			
	Duck	1	25.00	10.00			
					Total:	**1,161.00**	**Sft**
41	**Wooden Cladding Roof**						
	Roof Area	1		735.00	Area	735.00	
					Total Area:	**735.00**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

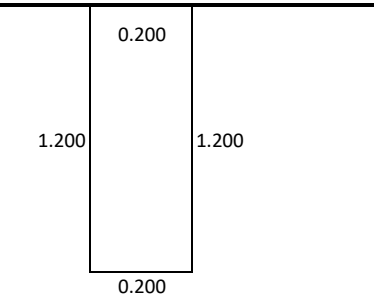
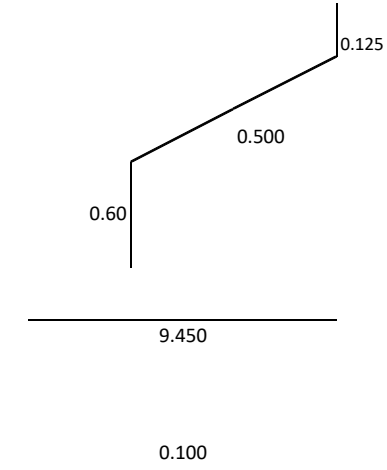
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	



Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

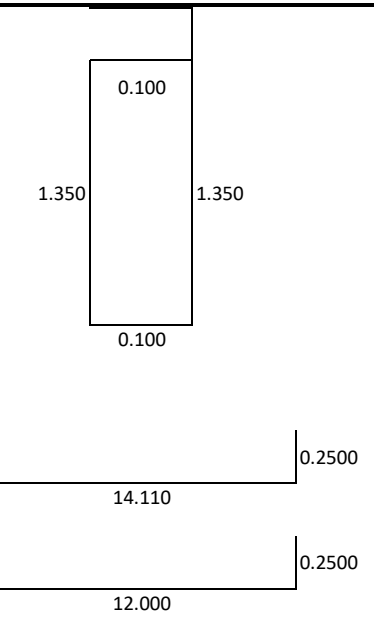
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Long Wall -2 Channel Side										
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	72	215	3.00	643.950	0.888	571.83	
10	Distribution bar outerside @ 200mm c/c	12mm		18	3	54	14.61	788.940	0.888	700.58	
11	Distribution bar inerside @ 200mm c/c	12mm		18	3	54	12.50	675.000	0.888	599.40	
									Total	**2789.39**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 Bed

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	146,406,250	
	Grand.Total	**146,406,250**	**146,406,250**

ROUGH COST ESTIMATE
CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 Bed

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

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,				
		ii) in ordinary soil.	P.Cft	3,756.00	15.84	59,495.04
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	1,878.00	7.56	14,203.31
3	3/15 ii	Filling, watering and ramming earth under floors: ii) with new earth excavated from outside, lead upto	P.Cft	3,491.57	31.78	110,953.21
	6. CONCRETE					
4	6/5 i	Cement concrete plain including placing, compacting, finishing and curing complete				
		Foundation	P.Cft	313.00	355.28	111,202.64
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	288.05	128.37	36,977.51
6	6/5 f	Cement concrete plain including placing, compacting, finishing and curing complete				
		Ground Floor	P.Cft	148.39	480.22	71,260.57
7	6/6 aiii 2	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand				
		Foundation	P.Cft	406.00	670.00	272,020.00
8	6/6 ai 2	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand				
		Ground Floor	P.Cft	1,065.75	817.55	871,303.91
9	6/12 bii	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in				
		('b) Deformed bars (ii) (Grade-60)	P.Kg	5,810.88	360.40	2,094,239.35
	8. STONE MASONARY					
10	8/2 d	Random, rubble masonry (uncoursed), in foundation and plinth: d) in cement, sand mortar: ii) ratio 1:4				

ROUGH COST ESTIMATE
CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 Bed

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		Foundation	P.Cft	866.25	356.66	308,956.73
	10. FLOORING					
11	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	288.05	57.87	16,669.69
12	10/46	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or				
		a) Full body Glazed tiles (ii) 600mmx 600 mm	P.Sft	872.89	457.30	399,173.17
13	10/38	Providing and laying superb quality Porcelain glazed tiles of Master/ Stile brand or approved				
		a) Full body Glazed tiles (ii) 600mmx 600 mm	P.Sft	695.93	458.70	319,221.67
14	10/32	Shisham wood block flooring 1"(25 mm) thick cut to required size, fixed on a layer of asphalt bitumen				
			P.Sft	593.01	2,615.31	1,550,891.91
	11. SURFACE RENDERING					
15	11/41.1	Providing and fixing 3/4"(19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding				
		a) Deodar wood	P.Cft	944.00	307.55	290,327.20
	12. WOOD WORK					
16	12/1 a	Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. a) Deodar wood				
		a) Deodar wood	P.Cft	189.56	15,075.10	2,857,673.64
17	12/51	Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply	P.Sft	115.50	954.35	110,227.43
18	12/16	Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat				
		a) single rebate	P.Sft	115.50	485.35	56,057.93
19	12/22	Providing and fixing, approved quality mortice lock.	Each	5.00	1,114.50	5,572.50
20	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	5.00	178.85	894.25

ROUGH COST ESTIMATE
CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 Bed

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	25. IRON WORK					
21	25/52	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed	P.Sft	855.00	1,312.45	1,122,144.75
22	25/53	Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze	P.Sft	427.50	544.15	232,624.13
23	9/13 b	Providing & Fixing corrugated galvanized iron sheets with G.I. bolts nuts, limpet and bitumen				
	b)	22 BWG	P.Sft	3,443.75	437.99	1,508,328.06
24	25/10+11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making	P.Kg	18,042.26	394.20	7,112,230.02
25	13/5 d	Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings,	P.Sft	10,331.25	12.07	124,698.19
		ii) each subsequent coat of paint. 3 coat	P.Sft	20,662.50	24.45	505,198.13
	26. MISCELLANEOUS					
26	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @	P.Sft	4,002.89	12.55	50,236.29
		Total Cost for Each				**20,212,781.20**
		Total Cost for 3 Nos.				**60,638,343.61**
		Amount for Civil Works				60,638,343.61
		Estimated amount for Non-Schedule & Post Detail Design				85,767,906.39
		Total				**146,406,250**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 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 Bed 1						
	External Wall	1	161.00	4.00	3.00	1,932.00	
	Internal Wall	1	42.00	4.00	3.00	504.00	
	Deck Area tow Wall	1	75.00	4.00	3.00	900.00	
	Deck Area tow Wall	2	17.50	4.00	3.00	420.00	
					Total:	**3,756.00**	Cft
2	**Filling, watering and ramming earth under floor:-**	50%	3756.00			**1878.00**	Cft
3	**Filling, watering and ramming earth under floors:-**						
	Ecologies Bed 1						
	Bed	1	20.17	14.13	4.00	1139.61	
	Lounge Area	1	20.17	17.00	4.00	1371.56	
	Kitchen	1	5.17	15.00	4.00	310.20	
	Bath	1	11.17	15.00	4.00	670.20	
					Total:	**3,491.57**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Ecologies Bed 1						
	External Wall	1	161.00	4.00	0.25	161.00	
	Internal Wall	1	42.00	4.00	0.25	42.00	
	Deck Area tow Wall	1	75.00	4.00	0.25	75.00	
	Deck Area tow Wall	2	17.50	4.00	0.25	35.00	
					Total:	**313.00**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						
i	**Ground Floor**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 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 Bed 1						
	Bed	1	20.17	14.13	0.33	94.02	
	Lounge Area	1	20.17	17.00	0.33	113.15	
	Kitchen	1	5.17	15.00	0.33	25.59	
	Bath	1	11.17	15.00	0.33	55.29	
					Total:	**288.05**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Ecologies Bed 2						
	Bed	1	20.17	14.13	0.17	48.43	
	Lounge Area	1	20.17	17.00	0.17	58.29	
	Kitchen	1	5.17	15.00	0.17	13.18	
	Bath	1	11.17	15.00	0.17	28.48	
					Total:	**148.39**	Cft
7	**R.C.C. in Raft foundation**						
	Ecologies Bed 1						
	External Wall	1	161.00	4.00	0.50	322.00	
	Internal Wall	1	42.00	4.00	0.50	84.00	
					Total:	**406.00**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**RCC Wall**						
	Ecologies Bed 1				avg		
	External Wall	1	161.00	0.75	7.00	845.25	
	Internal Wall	1	42.00	0.75	7.00	220.50	
					Total	**1,065.75**	Cft
9	**Reinforcement**						
	RCC Footing	1	406.00	2.50	Per Cft	1,015.00	
	Superstructural	1	1,065.75	4.50	Per Cft	4,795.88	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 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	**5,810.88**	Kg
10	**stone masonry in Foundation**						
	Ist Steps						
	Ecologies Bed 1						
	Deck Area tow Wall	1	75.00	2.25	0.50	84.38	
	Deck Area tow Wall	2	17.50	2.25	0.50	39.38	
	2nd Steps						
	Ecologies Bed 1				avg		
	Deck Area tow Wall	1	75.00	1.50	6.75	506.25	
	Deck Area tow Wall	2	17.50	1.50	6.75	236.25	
					Total:	**866.25**	Cft
11	**Sand filling**						
	Ecologies Bed 1						
	Bed	1	20.17	14.13	0.33	94.02	
	Lounge Area	1	20.17	17.00	0.33	113.15	
	Kitchen	1	5.17	15.00	0.33	25.59	
	Bath	1	11.17	15.00	0.33	55.29	
					Total:	**288.05**	**Cft**
12	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Bed	1	20.17	14.13		284.90	
	Lounge Area	1	20.17	17.00		342.89	
	Kitchen	1	5.17	15.00		77.55	
	Bath	1	11.17	15.00		167.55	
					Total	**872.89**	Sft
13	**Wall skirting**						
	Bed	2	20.17		0.33	13.31	
		2	14.13		0.33	9.32	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 Bed

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Lounge Area	2	20.17		0.33	13.31	
		2	17.00		0.33	11.22	
	Kitchen	2	5.17		7.00	72.38	
		2	15.00		7.00	210.00	
	Bath	2	11.17		7.00	156.38	
		2	15.00		7.00	210.00	
					Total	**695.93**	Sft
14	**Wooden Flooring**						
i	**Ground Floor**						
	Deck Area	1	29.75	17.50		520.63	
	Deck Area	1	9.75	5.17		50.41	
	Deck Area	1	4.25	5.17		21.97	
					Total	**593.01**	Sft
15	**Sand Stone clading**						
i	**Ground Floor**						
	External Wall	1	161.00		4.00	644.00	
	Deck Area tow Wall	1	75.00		4.00	300.00	
					Total	**944.00**	Sft
16	**Wooden Wall**						
i	**Ground Floor**				Avg		
	External Wall	1	161.00	0.063	13.00	130.81	
	Internal Wall	1	42.00	0.063	13.00	34.13	
	Deduction						
	D-1	-4	3.50	0.063	7.00	(6.13)	
	D-2	-1	2.50	0.063	7.00	(1.09)	
	W-1	-16	4.75	0.063	13.00	(61.75)	
	V-1	-2	4.75	0.063	2.00	(1.19)	
					Total	**94.78**	Sft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 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		
				2 sides	**Total**	**189.56**	Sft
17	**Soild Core Door**						
i	**Ground Floor**						
	D-2	4	3.50		7.00	98.00	
	D-3	1	2.50		7.00	17.50	
					Total	**115.50**	Sft
18	**M.S chowkat**						
i	**Ground Floor**						
	D-1	4	3.50		7.00	98.00	
	D-2	1	2.50		7.00	17.50	
					Total	**115.50**	Sft
19	**Mortice Lock**						
i	Ground Floor	5				5.00	
					Total	**5.00**	**No**
20	**Door Stops**						
i	Ground Floor	5				5.00	
					Total	**5.00**	**No**
21	**Aluminium Window**						
i	**Ground Floor**						
	W-1	16	4.75		11.00	836.00	
	V-1	2	4.75		2.00	19.00	
					Total	**855.00**	Sft
22	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per window	1	855.00	0.50		427.50	
					Total	**427.50**	Sft
23	**Corrugated galvanized iron sheets**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 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	Roof Sheet Area	1	3,443.75	Area		3,443.75	
					Total	**3,443.75**	Sft
24	**Fabrication of heavy steel work**						
	Roof Area	1	3,443.75	Area		3,443.75	Sft
				5 Kg per Sft		17,218.75	Kg
					Avg		
	Steel Columns	28	0.176	0.0208	13.00	1.34	Cft
	Ext Steel Bemas	1	203.00	0.176	0.0208	0.75	Cft
	deck side Steel Bemas	3	29.75	0.176	0.0208	0.33	Cft
					Total	**2.41**	Cft
			2.41	Lbs Per cft	**490.00**	**1,181.74**	Lbs
					Total	**536.18**	Kg
	M.S Base plate 9"*9", 3/4" inch thick	28	0.75	0.75	0.0625	0.98	Cft
			0.98	Lbs Per cft	**490.00**	**482.34**	Lbs
					Total	**218.85**	Kg
	Plain Rowel Bolt in Columns	112	0.0055		0.50	0.31	Cft
			0.31	Lbs Per cft	**490.00**	150.92	Lbs
					Total	**68.48**	Kg
					Total	**18,042.26**	Kg
25	**Painting of Iron Work**						
	Sheet Area	2	3,443.75			6,887.50	
	framed structure, walls, pieces, purlins, cleats, Connection Assembly etc.	50% of All Quantities				3443.75	
					Total	**10,331.25**	Sft
26	**Termite proofing under foundations**						
	at beds						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of the State-of-the-Art Eco-lodges. 1Bed;2 Bed

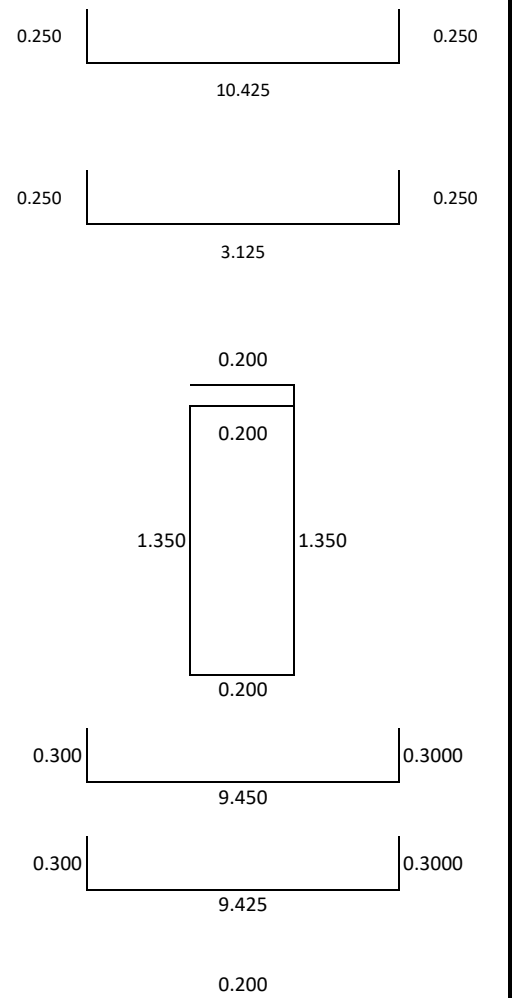
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Ecologies Bed 1						
	External Wall	1	161.00	4.00		644.00	
	Internal Wall	1	42.00	4.00		168.00	
	Deck Area tow Wall	1	75.00	4.00		300.00	
	Deck Area tow Wall	2	17.50	4.00		140.00	
	sides						
	Ecologies Bed 1						
	External Wall	2	161.00		3.00	966.00	
	Internal Wall	2	42.00		3.00	252.00	
	Deck Area tow Wall	2	75.00		3.00	450.00	
	Deck Area tow Wall	4	17.50		3.00	210.00	
	Under Floor						
	Ecologies Bed 1						
	Bed	1	20.17	14.13		284.90	
	Lounge Area	1	20.17	17.00		342.89	
	Kitchen	1	5.17	15.00		77.55	
	Bath	1	11.17	15.00		167.55	
					Total:	**4,002.89**	**Sft**

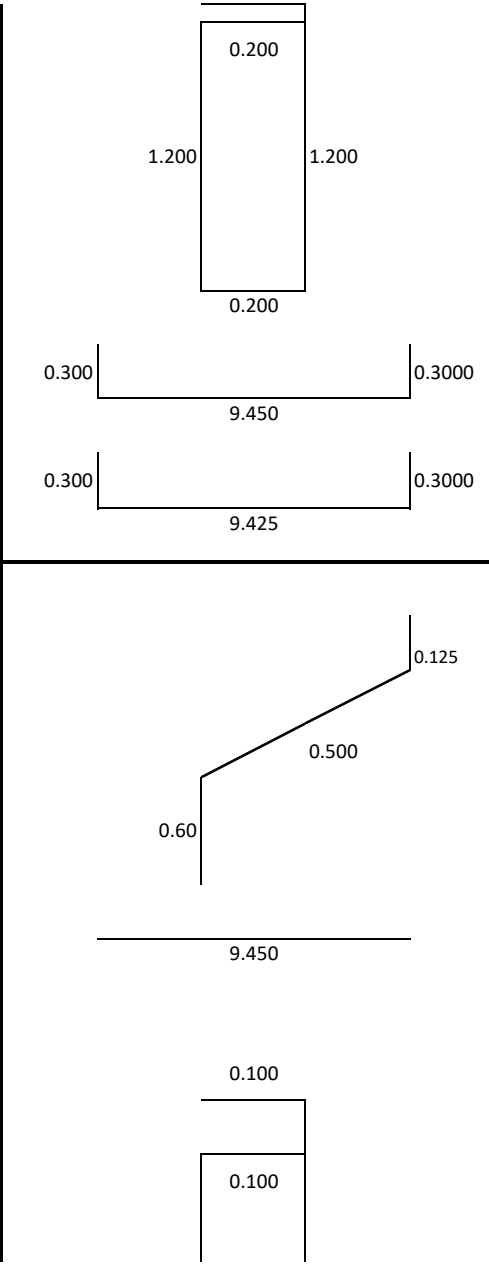
Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

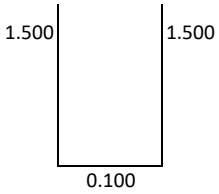
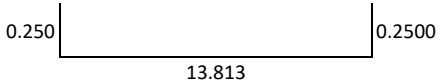
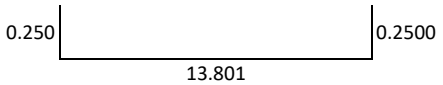
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	



	Long Wall -2 Channel Side									
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32
	Channel									
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74
	Short side Short Wall-1									
	Wall-3									
9	Main Bar @ 200 mm c/c	12mm		3	70	210	3.30	693.644	0.888	615.96



											
10	Distribution bar outerside @ 200mm c/c	12mm		18	3	54	14.31	772.902	0.888	686.34	
11	Distribution bar inerside @ 200mm c/c	12mm		18	3	54	14.30	772.254	0.888	685.76	
									Total (Each)	**2905.44**	
									Total (2 Set)	**5810.88**	

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	72,028,358	
	Grand.Total	**72,028,358**	**72,028,358**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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

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	6,474.00	15.84	102,548.16
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	3,237.00	7.56	24,481.43
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	7,246.83	31.78	230,286.18
	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	539.50	355.28	191,673.56
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	597.86	128.37	76,747.75
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	307.99	480.22	147,903.11
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)				
		Foundation	P.Cft	691.00	670.00	462,970.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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

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	1,813.88	817.55	1,482,933.51
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	9,889.94	360.40	3,564,333.48
	8. STONE MASONARY					
10	8/2 d	Random, rubble masonry (uncoursed), in foundation and plinth: d) in cement, sand mortar: ii) ratio 1:4				
		Foundation	P.Cft	2,550.38	356.66	909,616.75
	10. FLOORING					
11	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	597.86	57.87	34,598.37
12	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	1,811.71	457.30	828,493.98
13	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.				

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		a) Full body Glazed tiles (ii) 600mmx 600 mm	P.Sft	1,179.55	458.70	541,060.04
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				
			P.Sft	933.47	2,615.31	2,441,300.35
	11. SURFACE RENDERING					
15	11/41.1	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.				
		a) Deodar wood	P.Cft	1,604.00	307.55	493,310.20
	12. WOOD WORK					
16	12/1 a	Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. a) Deodar wood				
		a) Deodar wood	P.Cft	361.06	15,075.10	5,443,053.29
17	12/51	Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge..	P.Sft	206.50	954.35	197,073.28
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	206.50	485.35	100,224.78
19	12/22	Providing and fixing, approved quality mortice lock.	Each	9.00	1,114.50	10,030.50
20	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	9.00	178.85	1,609.65
	25. IRON WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
21	25/52	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge	P.Sft	1,187.50	1,312.45	1,558,534.38
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	593.75	544.15	323,089.06
23	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	5,162.50	437.99	2,261,123.38
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	27,386.79	394.20	10,795,833.32
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	15,487.50	12.07	186,934.13
		ii) each subsequent coat of paint. 3 coat	P.Sft	30,975.00	24.45	757,338.75
	26. MISCELLANEOUS					
26	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	7,206.71	12.55	90,444.18
		Total Cost for Each				**33,257,545.54**
		Total Cost for 2 Nos.				**66,515,091.08**
		Amount for Civil Works				66,515,091.08

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		Estimated amount for Non-Schedule & Post Detail Design				5,513,266.58
		Total				**72,028,358**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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 Bed 2						
	External Wall	1	275.00	4.00	3.00	3,300.00	
	Internal Wall	1	70.50	4.00	3.00	846.00	
	Deck Area tow Wall	1	126.00	4.00	3.00	1,512.00	
	Deck Area tow Wall	4	17.00	4.00	3.00	816.00	
					Total:	6,474.00	Cft
2	**Filling, watering and ramming earth under floor:-**	50%	6474.00			**3237.00**	
3	**Filling, watering and ramming earth under floors:-**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	4.00	3254.63	
	Lounge Area	1	30.50	15.00	4.00	1830.00	
	Lounge Area	1	10.00	5.17	4.00	206.80	
	Kitchen	1	10.25	15.00	4.00	615.00	
	Bath	2	11.17	15.00	4.00	1340.40	
					Total:	**7,246.83**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00	0.25	275.00	
	Internal Wall	1	70.50	4.00	0.25	70.50	
	Deck Area tow Wall	1	126.00	4.00	0.25	126.00	
	Deck Area tow Wall	4	17.00	4.00	0.25	68.00	
					Total:	**539.50**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.33	268.51	
	Lounge Area	1	30.50	15.00	0.33	150.98	
	Lounge Area	1	10.00	5.17	0.33	17.06	
	Kitchen	1	10.25	15.00	0.33	50.74	
	Bath	2	11.17	15.00	0.33	110.58	
					Total:	**597.86**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.17	138.32	
	Lounge Area	1	30.50	15.00	0.17	77.78	
	Lounge Area	1	10.00	5.17	0.17	8.79	
	Kitchen	1	10.25	15.00	0.17	26.14	
	Bath	2	11.17	15.00	0.17	56.97	
					Total:	**307.99**	Cft
7	**R.C.C. in Raft foundation**						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00	0.50	550.00	
	Internal Wall	1	70.50	4.00	0.50	141.00	
					Total:	**691.00**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**RCC Wall**						
	Ecologies Bed 2				avg		
	External Wall	1	275.00	0.75	7.00	1,443.75	
	Internal Wall	1	70.50	0.75	7.00	370.13	
					Total	**1,813.88**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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	**Reinforcement**						
	RCC Footing	1	691.00	2.50	Per Cft	1,727.50	
	Superstructural	1	1,813.88	4.50	Per Cft	8,162.44	
					Total	**9,889.94**	Kg
10	**stone masonry in Foundation**						
	Ist Steps						
	Ecologies Bed 2						
	Deck Area tow Wall	1	126.00	2.25	0.50	141.75	
	Deck Area tow Wall	4	17.00	2.25	0.50	76.50	
	2nd Steps						
	Ecologies Bed 2				avg		
	External Wall	1	275.00	1.50	6.75	1,856.25	
	Internal Wall	1	70.50	1.50	6.75	475.88	
					Total:	**2,550.38**	Cft
11	**Sand filling**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.33	268.51	
	Lounge Area	1	30.50	15.00	0.33	150.98	
	Lounge Area	1	10.00	5.17	0.33	17.06	
	Kitchen	1	10.25	15.00	0.33	50.74	
	Bath	2	11.17	15.00	0.33	110.58	
					Total:	**597.86**	**Cft**
12	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Bed	2	20.17	20.17		813.66	
	Lounge Area	1	30.50	15.00		457.50	
	Lounge Area	1	10.00	5.17		51.70	
	Kitchen	1	10.25	15.00		153.75	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Bath	2	11.17	15.00		335.10	
					Total	**1,811.71**	Sft
13	**Wall skirting**						
	Bed	4	20.17		0.33	26.62	
		4	20.17		0.33	26.62	
	Lounge Area	2	30.50		0.33	20.13	
		2	15.00		0.33	9.90	
	Lounge Area	2	10.00		0.33	6.60	
		2	5.17		0.33	3.41	
	Kitchen	2	10.25		7.00	143.50	
		2	15.00		7.00	210.00	
	Bath	4	11.17		7.00	312.76	
		4	15.00		7.00	420.00	
					Total	**1,179.55**	Sft
14	**Wooden Flooring**						
i	**Ground Floor**						
	Deck Area	1	50.00	17.17		858.50	
	Deck Area	2	7.25	5.17		74.97	
					Total	**933.47**	Sft
15	**Sand Stone clading**						
i	**Ground Floor**						
	External Wall	1	275.00		4.00	1,100.00	
	Deck Area tow Wall	1	126.00		4.00	504.00	
					Total	**1,604.00**	Sft
16	**Wooden Wall**						
i	**Ground Floor**				Avg		
	External Wall	1	275.00	0.063	13.00	223.44	
	Internal Wall	1	70.50	0.063	13.00	57.28	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Deduction						
	D-1	-7	3.50	0.063	7.00	(10.72)	
	D-2	-2	2.50	0.063	7.00	(2.19)	
	W-1	-22	4.75	0.063	13.00	(84.91)	
	V-1	-4	4.75	0.063	2.00	(2.38)	
					Total	**180.53**	Sft
				2 sides	**Total**	**361.06**	Sft
17	**Soild Core Door**						
i	**Ground Floor**						
	D-2	7	3.50		7.00	171.50	
	D-3	2	2.50		7.00	35.00	
					Total	**206.50**	Sft
18	**M.S chowkat**						
i	**Ground Floor**						
	D-1	7	3.50		7.00	171.50	
	D-2	2	2.50		7.00	35.00	
					Total	**206.50**	Sft
19	**Mortice Lock**						
i	Ground Floor	9				9.00	
					Total	**9.00**	**No**
20	**Door Stops**						
i	Ground Floor	9				9.00	
					Total	**9.00**	**No**
21	**Aluminium Window**						
i	**Ground Floor**						
	W-1	22	4.75		11.00	1,149.50	
	V-1	4	4.75		2.00	38.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

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	**1,187.50**	Sft
22	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per window	1	1,187.50	0.50		593.75	
					Total	**593.75**	Sft
23	**Corrugated galvanized iron sheets**						
i	Roof Sheet Area	1	5,162.50	Area		5,162.50	
					Total	**5,162.50**	Sft
24	**Fabrication of heavy steel work**						
	Roof Area	1	5,162.50	Area		5,162.50	Sft
				5 Kg per Sft		25,812.50	Kg
					Avg		
	Steel Columns	56	0.176	0.0208	13.00	2.68	Cft
	Ext Steel Bemas	1	345.50	0.176	0.0208	1.27	Cft
	deck side Steel Bemas	3	50.00	0.176	0.0208	0.55	Cft
					Total	**4.50**	Cft
			4.50	Lbs Per cft	**490.00**	**2,203.22**	Lbs
					Total	**999.65**	Kg
	M.S Base plate 9"*9", 3/4" inch thick	56	0.75	0.75	0.0625	1.97	Cft
			1.97	Lbs Per cft	**490.00**	**964.69**	Lbs
					Total	**437.70**	Kg
	Plain Rowel Bolt in Columns	224	0.0055		0.50	0.62	Cft
			0.62	Lbs Per cft	**490.00**	301.84	Lbs
					Total	**136.95**	Kg
					Total	**27,386.79**	Kg

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction & Development of the Glamping Pods

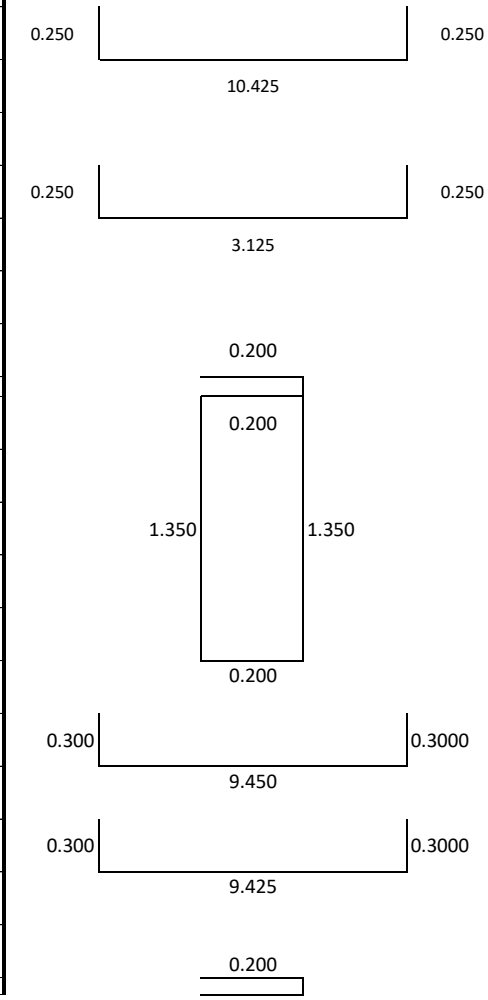
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
25	**Painting of Iron Work**						
	Sheet Area	2	5,162.50			10,325.00	
	framed structure, walls, pieces, purlins, cleats, Connection Assembly etc.	50% of All Quantities				5162.50	
					Total	**15,487.50**	Sft
26	**Termite proofing under foundations**						
	at beds						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00		1,100.00	
	Internal Wall	1	70.50	4.00		282.00	
	Deck Area tow Wall	1	126.00	4.00		504.00	
	Deck Area tow Wall	4	17.00	4.00		272.00	
	sides						
	Ecologies Bed 2						
	External Wall	2	275.00		3.00	1,650.00	
	Internal Wall	2	70.50		3.00	423.00	
	Deck Area tow Wall	2	126.00		3.00	756.00	
	Deck Area tow Wall	8	17.00		3.00	408.00	
	Under Floor						
	Ecologies Bed 2						
	Bed	2	20.17	20.17		813.66	
	Lounge Area	1	30.50	15.00		457.50	
	Lounge Area	1	10.00	5.17		51.70	
	Kitchen	1	10.25	15.00		153.75	
	Bath	2	11.17	15.00		335.10	
					Total:	**7,206.71**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

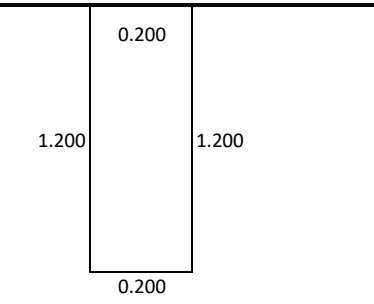
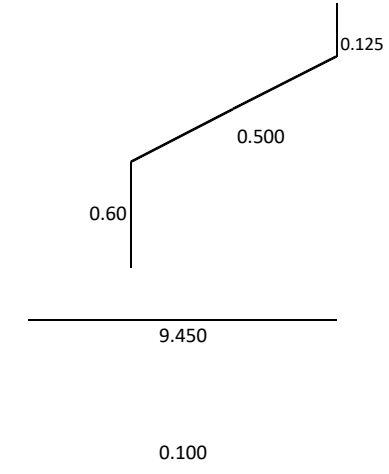
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		1	48	48	3.30	159.225	0.888	141.39	
2	Distribution bar outerside @ 200mm c/c	12mm		1	8	8	10.05	77.888	0.888	69.16	
3	Distribution bar inerside @ 200mm c/c	12mm		1	8	8	10.03	77.694	0.888	68.99	



Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

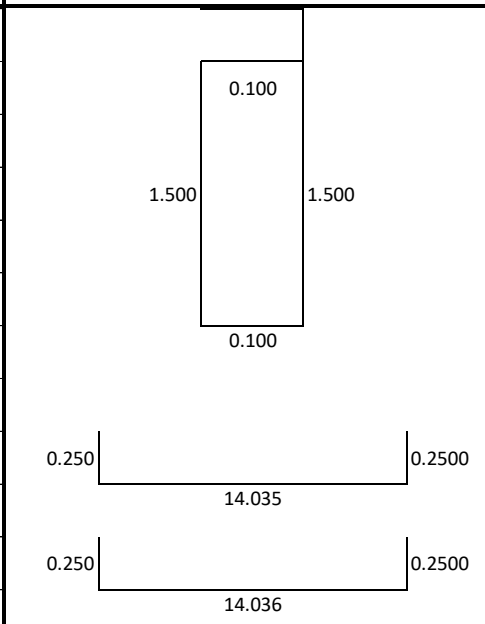
Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Long Wall -2 Channel Side										
4	Main Bar @ 200 mm c/c	12mm		1	48	48	3.00	144.750	0.888	128.54	
5	Distribution bar outerside @ 200mm c/c	12mm		1	7	7	10.05	70.350	0.888	62.47	
6	Distribution bar inerside @ 200mm c/c	12mm		1	7	7	10.03	70.175	0.888	62.32	
	Channel										
7	Main Bar @ 150 mm c/c	12mm		1	15	15	1.23	18.375	0.888	16.32	
8	Distribution bar outerside @ 200mm c/c	20 mm		1	3.00	3	9.45	28.350	2.46	69.74	
	Short side Short Wall-1										

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Wall-3										
9	Main Bar @ 200 mm c/c	12mm		3	71	214	3.30	704.637	0.888	625.72	
10	Distribution bar outerside @ 200mm c/c	12mm		12	3	36	14.54	523.264	0.888	464.66	
11	Distribution bar inerside @ 200mm c/c	12mm		12	3	36	14.54	523.296	0.888	464.69	
									Total (Each)	**2472.47**	
									Total (4 Set)	**9889.89**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	5,000,000	
	Grand.Total	**5,000,000**	**5,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

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

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	6,474.00	15.84	102,548.16
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	3,237.00	7.56	24,481.43
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	7,246.83	31.78	230,286.18
	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	539.50	355.28	191,673.56
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	597.86	128.37	76,747.75
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	307.99	480.22	147,903.11
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	2,000.00	360.40	720,800.00
	10. FLOORING					
11	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	597.86	57.87	34,598.37
	11. SURFACE RENDERING					
15	11/41.1	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.				
		a) Deodar wood	P.Cft	1,604.00	307.55	493,310.20

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	26. MISCELLANEOUS					
26	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	7,206.71	12.55	90,444.18
		Total Cost for Each				**2,112,792.94**
		Amount for Civil Works				2,112,792.94
		Estimated amount for Non-Schedule & Post Detail Design				2,887,207.06
		Total				**5,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

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 Bed 2						
	External Wall	1	275.00	4.00	3.00	3,300.00	
	Internal Wall	1	70.50	4.00	3.00	846.00	
	Deck Area tow Wall	1	126.00	4.00	3.00	1,512.00	
	Deck Area tow Wall	4	17.00	4.00	3.00	816.00	
					Total:	6,474.00	Cft
2	**Filling, watering and ramming earth under floor:-**	50%	6474.00			**3237.00**	
3	**Filling, watering and ramming earth under floors:-**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	4.00	3254.63	
	Lounge Area	1	30.50	15.00	4.00	1830.00	
	Lounge Area	1	10.00	5.17	4.00	206.80	
	Kitchen	1	10.25	15.00	4.00	615.00	
	Bath	2	11.17	15.00	4.00	1340.40	
					Total:	**7,246.83**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00	0.25	275.00	
	Internal Wall	1	70.50	4.00	0.25	70.50	
	Deck Area tow Wall	1	126.00	4.00	0.25	126.00	
	Deck Area tow Wall	4	17.00	4.00	0.25	68.00	
					Total:	**539.50**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

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**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.33	268.51	
	Lounge Area	1	30.50	15.00	0.33	150.98	
	Lounge Area	1	10.00	5.17	0.33	17.06	
	Kitchen	1	10.25	15.00	0.33	50.74	
	Bath	2	11.17	15.00	0.33	110.58	
					Total:	**597.86**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.17	138.32	
	Lounge Area	1	30.50	15.00	0.17	77.78	
	Lounge Area	1	10.00	5.17	0.17	8.79	
	Kitchen	1	10.25	15.00	0.17	26.14	
	Bath	2	11.17	15.00	0.17	56.97	
					Total:	**307.99**	Cft
7	**R.C.C. in Raft foundation**						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00	0.50	550.00	
	Internal Wall	1	70.50	4.00	0.50	141.00	
					Total:	**691.00**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**RCC Wall**						
	Ecologies Bed 2				avg		
	External Wall	1	275.00	0.75	7.00	1,443.75	
	Internal Wall	1	70.50	0.75	7.00	370.13	
					Total	**1,813.88**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

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	**Reinforcement**						
	RCC Footing	1	691.00	2.50	Per Cft	1,727.50	
	Superstructural	1	1,813.88	4.50	Per Cft	8,162.44	
					Total	**9,889.94**	Kg
10	**stone masonry in Foundation**						
	Ist Steps						
	Ecologies Bed 2						
	Deck Area tow Wall	1	126.00	2.25	0.50	141.75	
	Deck Area tow Wall	4	17.00	2.25	0.50	76.50	
	2nd Steps						
	Ecologies Bed 2				avg		
	External Wall	1	275.00	1.50	6.75	1,856.25	
	Internal Wall	1	70.50	1.50	6.75	475.88	
					Total:	**2,550.38**	Cft
11	**Sand filling**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.33	268.51	
	Lounge Area	1	30.50	15.00	0.33	150.98	
	Lounge Area	1	10.00	5.17	0.33	17.06	
	Kitchen	1	10.25	15.00	0.33	50.74	
	Bath	2	11.17	15.00	0.33	110.58	
					Total:	**597.86**	**Cft**
12	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Bed	2	20.17	20.17		813.66	
	Lounge Area	1	30.50	15.00		457.50	
	Lounge Area	1	10.00	5.17		51.70	
	Kitchen	1	10.25	15.00		153.75	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Bath	2	11.17	15.00		335.10	
					Total	**1,811.71**	Sft
13	**Wall skirting**						
	Bed	4	20.17		0.33	26.62	
		4	20.17		0.33	26.62	
	Lounge Area	2	30.50		0.33	20.13	
		2	15.00		0.33	9.90	
	Lounge Area	2	10.00		0.33	6.60	
		2	5.17		0.33	3.41	
	Kitchen	2	10.25		7.00	143.50	
		2	15.00		7.00	210.00	
	Bath	4	11.17		7.00	312.76	
		4	15.00		7.00	420.00	
					Total	**1,179.55**	Sft
14	**Wooden Flooring**						
i	**Ground Floor**						
	Deck Area	1	50.00	17.17		858.50	
	Deck Area	2	7.25	5.17		74.97	
					Total	**933.47**	Sft
15	**Sand Stone clading**						
i	**Ground Floor**						
	External Wall	1	275.00		4.00	1,100.00	
	Deck Area tow Wall	1	126.00		4.00	504.00	
					Total	**1,604.00**	Sft
16	**Wooden Wall**						
i	**Ground Floor**				Avg		
	External Wall	1	275.00	0.063	13.00	223.44	
	Internal Wall	1	70.50	0.063	13.00	57.28	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Deduction						
	D-1	-7	3.50	0.063	7.00	(10.72)	
	D-2	-2	2.50	0.063	7.00	(2.19)	
	W-1	-22	4.75	0.063	13.00	(84.91)	
	V-1	-4	4.75	0.063	2.00	(2.38)	
					Total	**180.53**	Sft
				2 sides	**Total**	**361.06**	Sft
17	**Soild Core Door**						
i	**Ground Floor**						
	D-2	7	3.50		7.00	171.50	
	D-3	2	2.50		7.00	35.00	
					Total	**206.50**	Sft
18	**M.S chowkat**						
i	**Ground Floor**						
	D-1	7	3.50		7.00	171.50	
	D-2	2	2.50		7.00	35.00	
					Total	**206.50**	Sft
19	**Mortice Lock**						
i	Ground Floor	9				9.00	
					Total	**9.00**	**No**
20	**Door Stops**						
i	Ground Floor	9				9.00	
					Total	**9.00**	**No**
21	**Aluminium Window**						
i	**Ground Floor**						
	W-1	22	4.75		11.00	1,149.50	
	V-1	4	4.75		2.00	38.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

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	**1,187.50**	Sft
22	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per window	1	1,187.50	0.50		593.75	
					Total	**593.75**	Sft
23	**Corrugated galvanized iron sheets**						
i	Roof Sheet Area	1	5,162.50	Area		5,162.50	
					Total	**5,162.50**	Sft
24	**Fabrication of heavy steel work**						
	Roof Area	1	5,162.50	Area		5,162.50	Sft
				5 Kg per Sft		25,812.50	Kg
					Avg		
	Steel Columns	56	0.176	0.0208	13.00	2.68	Cft
	Ext Steel Bemas	1	345.50	0.176	0.0208	1.27	Cft
	deck side Steel Bemas	3	50.00	0.176	0.0208	0.55	Cft
					Total	**4.50**	Cft
			4.50	Lbs Per cft	**490.00**	**2,203.22**	Lbs
					Total	**999.65**	Kg
	M.S Base plate 9"*9", 3/4" inch thick	56	0.75	0.75	0.0625	1.97	Cft
			1.97	Lbs Per cft	**490.00**	**964.69**	Lbs
					Total	**437.70**	Kg
	Plain Rowel Bolt in Columns	224	0.0055		0.50	0.62	Cft
			0.62	Lbs Per cft	**490.00**	301.84	Lbs
					Total	**136.95**	Kg
					Total	**27,386.79**	Kg

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of Children Play Area

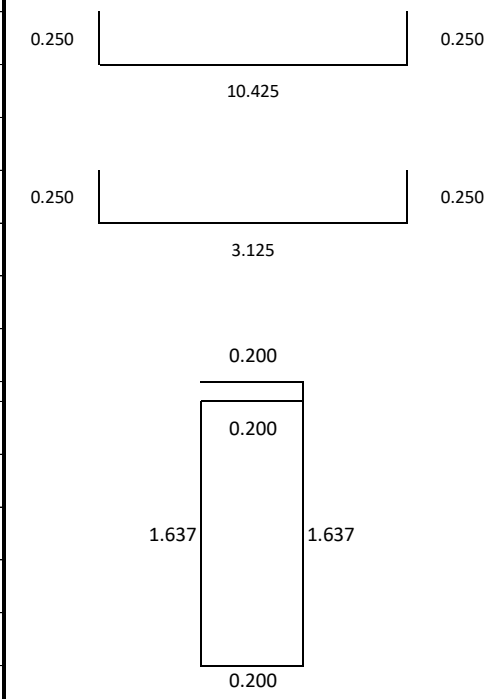
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
25	**Painting of Iron Work**						
	Sheet Area	2	5,162.50			10,325.00	
	framed structure, walls, pieces, purlins, cleats, Connection Assembly etc.	50% of All Quantities				5162.50	
					Total	**15,487.50**	Sft
26	**Termite proofing under foundations**						
	at beds						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00		1,100.00	
	Internal Wall	1	70.50	4.00		282.00	
	Deck Area tow Wall	1	126.00	4.00		504.00	
	Deck Area tow Wall	4	17.00	4.00		272.00	
	sides						
	Ecologies Bed 2						
	External Wall	2	275.00		3.00	1,650.00	
	Internal Wall	2	70.50		3.00	423.00	
	Deck Area tow Wall	2	126.00		3.00	756.00	
	Deck Area tow Wall	8	17.00		3.00	408.00	
	Under Floor						
	Ecologies Bed 2						
	Bed	2	20.17	20.17		813.66	
	Lounge Area	1	30.50	15.00		457.50	
	Lounge Area	1	10.00	5.17		51.70	
	Kitchen	1	10.25	15.00		153.75	
	Bath	2	11.17	15.00		335.10	
					Total:	**7,206.71**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		99	5	495	3.87	1917.630	0.888	1702.86	
									Total (2 Set)	**2000.00**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	5,000,000	
	Grand.Total	**5,000,000**	**5,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	3. EARTHWORK (EXCAVATION & EMBANKMENT)					
	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	539.50	355.28	191,673.56
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	597.86	128.37	76,747.75
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	307.99	480.22	147,903.11
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)				
		Foundation	P.Cft	691.00	712.61	492,413.51
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	1,813.88	817.55	1,482,933.51

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	8. STONE MASONARY					
10	8/2 d	Random, rubble masonry (uncoursed), in foundation and plinth: d) in cement, sand mortar: ii) ratio 1:4				
		Foundation	P.Cft	2,550.38	356.66	909,616.75
	10. FLOORING					
11	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	597.86	57.87	34,598.37
13	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	1,179.55	458.70	541,060.04
	11. SURFACE RENDERING					
15	11/41.1	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.				
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	1,500.00	12.07	18,105.00
		ii) each subsequent coat of paint. 3 coat	P.Sft	3,000.00	24.45	73,350.00
		Total Cost for Each				**3,968,401.59**
		Estimated amount for Non-Schedule & Post Detail Design				1,031,598.41
		Total				**5,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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 Bed 2						
	External Wall	1	275.00	4.00	3.00	3,300.00	
	Internal Wall	1	70.50	4.00	3.00	846.00	
	Deck Area tow Wall	1	126.00	4.00	3.00	1,512.00	
	Deck Area tow Wall	4	17.00	4.00	3.00	816.00	
					Total:	6,474.00	Cft
2	**Filling, watering and ramming earth under floor:-**	50%	6474.00			**3237.00**	
3	**Filling, watering and ramming earth under floors:-**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	4.00	3254.63	
	Lounge Area	1	30.50	15.00	4.00	1830.00	
	Lounge Area	1	10.00	5.17	4.00	206.80	
	Kitchen	1	10.25	15.00	4.00	615.00	
	Bath	2	11.17	15.00	4.00	1340.40	
					Total:	**7,246.83**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00	0.25	275.00	
	Internal Wall	1	70.50	4.00	0.25	70.50	
	Deck Area tow Wall	1	126.00	4.00	0.25	126.00	
	Deck Area tow Wall	4	17.00	4.00	0.25	68.00	
					Total:	**539.50**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.33	268.51	
	Lounge Area	1	30.50	15.00	0.33	150.98	
	Lounge Area	1	10.00	5.17	0.33	17.06	
	Kitchen	1	10.25	15.00	0.33	50.74	
	Bath	2	11.17	15.00	0.33	110.58	
					Total:	**597.86**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.17	138.32	
	Lounge Area	1	30.50	15.00	0.17	77.78	
	Lounge Area	1	10.00	5.17	0.17	8.79	
	Kitchen	1	10.25	15.00	0.17	26.14	
	Bath	2	11.17	15.00	0.17	56.97	
					Total:	**307.99**	Cft
7	**R.C.C. in Raft foundation**						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00	0.50	550.00	
	Internal Wall	1	70.50	4.00	0.50	141.00	
					Total:	**691.00**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**RCC Wall**						
	Ecologies Bed 2				avg		
	External Wall	1	275.00	0.75	7.00	1,443.75	
	Internal Wall	1	70.50	0.75	7.00	370.13	
					Total	**1,813.88**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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	**Reinforcement**						
	RCC Footing	1	691.00	2.50	Per Cft	1,727.50	
	Superstructural	1	1,813.88	4.50	Per Cft	8,162.44	
					Total	**9,889.94**	Kg
10	**stone masonry in Foundation**						
	Ist Steps						
	Ecologies Bed 2						
	Deck Area tow Wall	1	126.00	2.25	0.50	141.75	
	Deck Area tow Wall	4	17.00	2.25	0.50	76.50	
	2nd Steps						
	Ecologies Bed 2				avg		
	External Wall	1	275.00	1.50	6.75	1,856.25	
	Internal Wall	1	70.50	1.50	6.75	475.88	
					Total:	**2,550.38**	Cft
11	**Sand filling**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.33	268.51	
	Lounge Area	1	30.50	15.00	0.33	150.98	
	Lounge Area	1	10.00	5.17	0.33	17.06	
	Kitchen	1	10.25	15.00	0.33	50.74	
	Bath	2	11.17	15.00	0.33	110.58	
					Total:	**597.86**	**Cft**
12	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Bed	2	20.17	20.17		813.66	
	Lounge Area	1	30.50	15.00		457.50	
	Lounge Area	1	10.00	5.17		51.70	
	Kitchen	1	10.25	15.00		153.75	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Bath	2	11.17	15.00		335.10	
					Total	**1,811.71**	Sft
13	**Wall skirting**						
	Bed	4	20.17		0.33	26.62	
		4	20.17		0.33	26.62	
	Lounge Area	2	30.50		0.33	20.13	
		2	15.00		0.33	9.90	
	Lounge Area	2	10.00		0.33	6.60	
		2	5.17		0.33	3.41	
	Kitchen	2	10.25		7.00	143.50	
		2	15.00		7.00	210.00	
	Bath	4	11.17		7.00	312.76	
		4	15.00		7.00	420.00	
					Total	**1,179.55**	Sft
14	**Wooden Flooring**						
i	**Ground Floor**						
	Deck Area	1	50.00	17.17		858.50	
	Deck Area	2	7.25	5.17		74.97	
					Total	**933.47**	Sft
15	**Sand Stone clading**						
i	**Ground Floor**						
	External Wall	1	275.00		4.00	1,100.00	
	Deck Area tow Wall	1	126.00		4.00	504.00	
					Total	**1,604.00**	Sft
16	**Wooden Wall**						
i	**Ground Floor**				Avg		
	External Wall	1	275.00	0.063	13.00	223.44	
	Internal Wall	1	70.50	0.063	13.00	57.28	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Deduction						
	D-1	-7	3.50	0.063	7.00	(10.72)	
	D-2	-2	2.50	0.063	7.00	(2.19)	
	W-1	-22	4.75	0.063	13.00	(84.91)	
	V-1	-4	4.75	0.063	2.00	(2.38)	
					Total	**180.53**	Sft
				2 sides	**Total**	**361.06**	Sft
17	**Soild Core Door**						
i	**Ground Floor**						
	D-2	7	3.50		7.00	171.50	
	D-3	2	2.50		7.00	35.00	
					Total	**206.50**	Sft
18	**M.S chowkat**						
i	**Ground Floor**						
	D-1	7	3.50		7.00	171.50	
	D-2	2	2.50		7.00	35.00	
					Total	**206.50**	Sft
19	**Mortice Lock**						
i	Ground Floor	9				9.00	
					Total	**9.00**	**No**
20	**Door Stops**						
i	Ground Floor	9				9.00	
					Total	**9.00**	**No**
21	**Aluminium Window**						
i	**Ground Floor**						
	W-1	22	4.75		11.00	1,149.50	
	V-1	4	4.75		2.00	38.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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	**1,187.50**	Sft
22	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per window	1	1,187.50	0.50		593.75	
					Total	**593.75**	Sft
23	**Corrugated galvanized iron sheets**						
i	Roof Sheet Area	1	5,162.50	Area		5,162.50	
					Total	**5,162.50**	Sft
24	**Fabrication of heavy steel work**						
	Roof Area	1	5,162.50	Area		5,162.50	Sft
				5 Kg per Sft		25,812.50	Kg
					Avg		
	Steel Columns	56	0.176	0.0208	13.00	2.68	Cft
	Ext Steel Bemas	1	345.50	0.176	0.0208	1.27	Cft
	deck side Steel Bemas	3	50.00	0.176	0.0208	0.55	Cft
					Total	**4.50**	Cft
			4.50	Lbs Per cft	**490.00**	**2,203.22**	Lbs
					Total	**999.65**	Kg
	M.S Base plate 9"*9", 3/4" inch thick	56	0.75	0.75	0.0625	1.97	Cft
			1.97	Lbs Per cft	**490.00**	**964.69**	Lbs
					Total	**437.70**	Kg
	Plain Rowel Bolt in Columns	224	0.0055		0.50	0.62	Cft
			0.62	Lbs Per cft	**490.00**	301.84	Lbs
					Total	**136.95**	Kg
					Total	**27,386.79**	Kg

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Development of the Stair Case to connect With the Existing Stair Case

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	**Painting of Iron Work**						
	Sheet Area	2	5,162.50			10,325.00	
	framed structure, walls, pieces, purlins, cleats, Connection Assembly etc.	50% of All Quantities				5162.50	
					Total	**15,487.50**	Sft
26	**Termite proofing under foundations**						
	at beds						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00		1,100.00	
	Internal Wall	1	70.50	4.00		282.00	
	Deck Area tow Wall	1	126.00	4.00		504.00	
	Deck Area tow Wall	4	17.00	4.00		272.00	
	sides						
	Ecologies Bed 2						
	External Wall	2	275.00		3.00	1,650.00	
	Internal Wall	2	70.50		3.00	423.00	
	Deck Area tow Wall	2	126.00		3.00	756.00	
	Deck Area tow Wall	8	17.00		3.00	408.00	
	Under Floor						
	Ecologies Bed 2						
	Bed	2	20.17	20.17		813.66	
	Lounge Area	1	30.50	15.00		457.50	
	Lounge Area	1	10.00	5.17		51.70	
	Kitchen	1	10.25	15.00		153.75	
	Bath	2	11.17	15.00		335.10	
					Total:	**7,206.71**	**Sft**

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	10,000,000	
	Grand.Total	**10,000,000**	**10,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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

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	6,474.00	15.84	102,548.16
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	3,237.00	7.56	24,481.43
	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	539.50	355.28	191,673.56
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	597.86	128.37	76,747.75
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	307.99	480.22	147,903.11
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)				
		Foundation	P.Cft	691.00	670.00	462,970.00
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):-				

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		('b) Deformed bars (ii) (Grade-60)	P.Kg	5,500.00	360.40	1,982,200.00
	10. FLOORING					
11	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	597.86	57.87	34,598.37
12	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	1,811.71	457.30	828,493.98
	11. SURFACE RENDERING					
15	11/41.1	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.				
		a) Deodar wood	P.Cft	1,604.00	307.55	493,310.20
	12. WOOD WORK					
16	12/1 a	Plain wood work sawn, wrought, planed and fixed inposition, including cost of nails and screws etc. a) Deodar wood				
		a) Deodar wood	P.Cft	120.00	15,075.10	1,809,012.00
17	12/51	Providing and fixing 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge..	P.Sft	206.50	954.35	197,073.28
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	206.50	485.35	100,224.78

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
19	12/22	Providing and fixing, approved quality mortice lock.	Each	9.00	1,114.50	10,030.50
20	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	9.00	178.85	1,609.65
	25. IRON WORK					
21	25/52	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge	P.Sft	1,187.50	1,312.45	1,558,534.38
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	593.75	544.15	323,089.06
23	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	2,500.00	437.99	1,094,975.00
	26. MISCELLANEOUS					
26	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	2,500.00	12.55	31,375.00
		Total Cost for Each				**9,470,850.19**
		Estimated amount for Non-Schedule & Post Detail Design				529,149.81
		Total				**10,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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 Bed 2						
	External Wall	1	275.00	4.00	3.00	3,300.00	
	Internal Wall	1	70.50	4.00	3.00	846.00	
	Deck Area tow Wall	1	126.00	4.00	3.00	1,512.00	
	Deck Area tow Wall	4	17.00	4.00	3.00	816.00	
					Total:	6,474.00	Cft
2	**Filling, watering and ramming earth under floor:-**	50%	6474.00			**3237.00**	
3	**Filling, watering and ramming earth under floors:-**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	4.00	3254.63	
	Lounge Area	1	30.50	15.00	4.00	1830.00	
	Lounge Area	1	10.00	5.17	4.00	206.80	
	Kitchen	1	10.25	15.00	4.00	615.00	
	Bath	2	11.17	15.00	4.00	1340.40	
					Total:	**7,246.83**	Cft
4	**Cement Concrete in foundation & plinth (Ratio 1:4:8)**						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00	0.25	275.00	
	Internal Wall	1	70.50	4.00	0.25	70.50	
	Deck Area tow Wall	1	126.00	4.00	0.25	126.00	
	Deck Area tow Wall	4	17.00	4.00	0.25	68.00	
					Total:	**539.50**	Cft
5	**Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.33	268.51	
	Lounge Area	1	30.50	15.00	0.33	150.98	
	Lounge Area	1	10.00	5.17	0.33	17.06	
	Kitchen	1	10.25	15.00	0.33	50.74	
	Bath	2	11.17	15.00	0.33	110.58	
					Total:	**597.86**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.17	138.32	
	Lounge Area	1	30.50	15.00	0.17	77.78	
	Lounge Area	1	10.00	5.17	0.17	8.79	
	Kitchen	1	10.25	15.00	0.17	26.14	
	Bath	2	11.17	15.00	0.17	56.97	
					Total:	**307.99**	Cft
7	**R.C.C. in Raft foundation**						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00	0.50	550.00	
	Internal Wall	1	70.50	4.00	0.50	141.00	
					Total:	**691.00**	Cft
8	**RCC in roof slab, beam, column & other structural members**						
i	**RCC Wall**						
	Ecologies Bed 2				avg		
	External Wall	1	275.00	0.75	7.00	1,443.75	
	Internal Wall	1	70.50	0.75	7.00	370.13	
					Total	**1,813.88**	Cft

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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	**Reinforcement**						
	RCC Footing	1	691.00	2.50	Per Cft	1,727.50	
	Superstructural	1	1,813.88	4.50	Per Cft	8,162.44	
					Total	**9,889.94**	Kg
10	**stone masonry in Foundation**						
	Ist Steps						
	Ecologies Bed 2						
	Deck Area tow Wall	1	126.00	2.25	0.50	141.75	
	Deck Area tow Wall	4	17.00	2.25	0.50	76.50	
	2nd Steps						
	Ecologies Bed 2				avg		
	External Wall	1	275.00	1.50	6.75	1,856.25	
	Internal Wall	1	70.50	1.50	6.75	475.88	
					Total:	**2,550.38**	Cft
11	**Sand filling**						
	Ecologies Bed 2						
	Bed	2	20.17	20.17	0.33	268.51	
	Lounge Area	1	30.50	15.00	0.33	150.98	
	Lounge Area	1	10.00	5.17	0.33	17.06	
	Kitchen	1	10.25	15.00	0.33	50.74	
	Bath	2	11.17	15.00	0.33	110.58	
					Total:	**597.86**	**Cft**
12	**Porcelain glazed tiles 24"X24"**						
i	**Ground Floor**						
	Bed	2	20.17	20.17		813.66	
	Lounge Area	1	30.50	15.00		457.50	
	Lounge Area	1	10.00	5.17		51.70	
	Kitchen	1	10.25	15.00		153.75	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Bath	2	11.17	15.00		335.10	
					Total	**1,811.71**	Sft
13	**Wall skirting**						
	Bed	4	20.17		0.33	26.62	
		4	20.17		0.33	26.62	
	Lounge Area	2	30.50		0.33	20.13	
		2	15.00		0.33	9.90	
	Lounge Area	2	10.00		0.33	6.60	
		2	5.17		0.33	3.41	
	Kitchen	2	10.25		7.00	143.50	
		2	15.00		7.00	210.00	
	Bath	4	11.17		7.00	312.76	
		4	15.00		7.00	420.00	
					Total	**1,179.55**	Sft
14	**Wooden Flooring**						
i	**Ground Floor**						
	Deck Area	1	50.00	17.17		858.50	
	Deck Area	2	7.25	5.17		74.97	
					Total	**933.47**	Sft
15	**Sand Stone clading**						
i	**Ground Floor**						
	External Wall	1	275.00		4.00	1,100.00	
	Deck Area tow Wall	1	126.00		4.00	504.00	
					Total	**1,604.00**	Sft
16	**Wooden Wall**						
i	**Ground Floor**				Avg		
	External Wall	1	275.00	0.063	13.00	223.44	
	Internal Wall	1	70.50	0.063	13.00	57.28	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Deduction						
	D-1	-7	3.50	0.063	7.00	(10.72)	
	D-2	-2	2.50	0.063	7.00	(2.19)	
	W-1	-22	4.75	0.063	13.00	(84.91)	
	V-1	-4	4.75	0.063	2.00	(2.38)	
					Total	**180.53**	Sft
				2 sides	**Total**	**361.06**	Sft
17	**Soild Core Door**						
i	**Ground Floor**						
	D-2	7	3.50		7.00	171.50	
	D-3	2	2.50		7.00	35.00	
					Total	**206.50**	Sft
18	**M.S chowkat**						
i	**Ground Floor**						
	D-1	7	3.50		7.00	171.50	
	D-2	2	2.50		7.00	35.00	
					Total	**206.50**	Sft
19	**Mortice Lock**						
i	Ground Floor	9				9.00	
					Total	**9.00**	**No**
20	**Door Stops**						
i	Ground Floor	9				9.00	
					Total	**9.00**	**No**
21	**Aluminium Window**						
i	**Ground Floor**						
	W-1	22	4.75		11.00	1,149.50	
	V-1	4	4.75		2.00	38.00	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

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	**1,187.50**	Sft
22	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per window	1	1,187.50	0.50		593.75	
					Total	**593.75**	Sft
23	**Corrugated galvanized iron sheets**						
i	Roof Sheet Area	1	5,162.50	Area		5,162.50	
					Total	**5,162.50**	Sft
24	**Fabrication of heavy steel work**						
	Roof Area	1	5,162.50	Area		5,162.50	Sft
				5 Kg per Sft		25,812.50	Kg
					Avg		
	Steel Columns	56	0.176	0.0208	13.00	2.68	Cft
	Ext Steel Bemas	1	345.50	0.176	0.0208	1.27	Cft
	deck side Steel Bemas	3	50.00	0.176	0.0208	0.55	Cft
					Total	**4.50**	Cft
			4.50	Lbs Per cft	**490.00**	**2,203.22**	Lbs
					Total	**999.65**	Kg
	M.S Base plate 9"*9", 3/4" inch thick	56	0.75	0.75	0.0625	1.97	Cft
			1.97	Lbs Per cft	**490.00**	**964.69**	Lbs
					Total	**437.70**	Kg
	Plain Rowel Bolt in Columns	224	0.0055		0.50	0.62	Cft
			0.62	Lbs Per cft	**490.00**	301.84	Lbs
					Total	**136.95**	Kg
					Total	**27,386.79**	Kg

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Renovation/Construction of Housing Quarters/Houses for Wildlife Park Staff

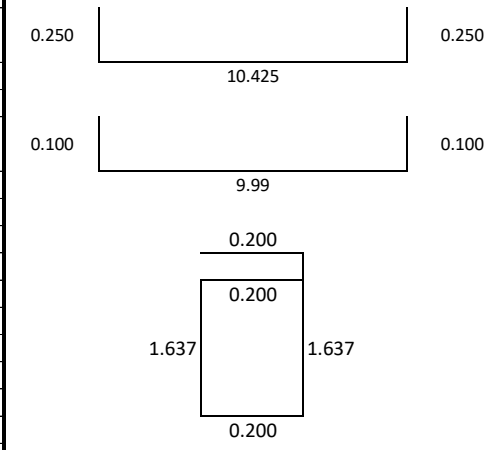
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
25	**Painting of Iron Work**						
	Sheet Area	2	5,162.50			10,325.00	
	framed structure, walls, pieces, purlins, cleats, Connection Assembly etc.	50% of All Quantities				5162.50	
					Total	**15,487.50**	Sft
26	**Termite proofing under foundations**						
	at beds						
	Ecologies Bed 2						
	External Wall	1	275.00	4.00		1,100.00	
	Internal Wall	1	70.50	4.00		282.00	
	Deck Area tow Wall	1	126.00	4.00		504.00	
	Deck Area tow Wall	4	17.00	4.00		272.00	
	sides						
	Ecologies Bed 2						
	External Wall	2	275.00		3.00	1,650.00	
	Internal Wall	2	70.50		3.00	423.00	
	Deck Area tow Wall	2	126.00		3.00	756.00	
	Deck Area tow Wall	8	17.00		3.00	408.00	
	Under Floor						
	Ecologies Bed 2						
	Bed	2	20.17	20.17		813.66	
	Lounge Area	1	30.50	15.00		457.50	
	Lounge Area	1	10.00	5.17		51.70	
	Kitchen	1	10.25	15.00		153.75	
	Bath	2	11.17	15.00		335.10	
					Total:	**7,206.71**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	58	58	10.93	634.586	0.888	563.51	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		10	36	358	10.19	3642.925	0.888	3234.92	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		99	5	495	3.87	1917.630	0.888	1702.86	
									Total (2 Set)	**5500.00**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	30,000,000	
	Grand.Total	**30,000,000**	**30,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	3. EARTHWORK (EXCAVATION & EMBANKMENT)					
1	3/21 1ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual				
		ii) in ordinary soil.	P.Cft	2,900.25	15.84	45,939.96
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	1,160.10	7.56	8,773.84
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	1,280.00	31.78	40,675.20
	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	251.44	355.28	89,330.72
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	304.55	128.37	39,094.92
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	156.89	480.22	75,341.12
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)				
		Foundation	P.Cft	199.00	670.00	133,330.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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

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	656.61	817.55	536,807.93
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	2,000.00	360.40	720,800.00
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	29,166.55
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	37,158.64
	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	490,053.30
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	79,150.92
	10. FLOORING					
14	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	304.55	57.87	17,624.24

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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

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	346,233.26
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	1,800.00	458.70	825,660.00
17	10/52	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.				
		(i) 3/4" thick	P.Sft	306.50	1,240.55	380,228.58
	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	40,710.61
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	193,457.00
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	70,438.41
21	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	4,847.13	3.98	19,291.56
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	4,847.13	8.65	41,927.63
		ii) two coats	P.Sft	4,847.13	11.99	58,117.03
	12. WOOD WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
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	151,429.20
24	12/22	Providing and fixing, approved quality mortice lock.	Each	14.00	1,114.50	15,603.00
25	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	14.00	178.85	2,503.90
	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	52,604.64
		ii) 2nd coat	P.Sft	1,107.00	26.69	29,545.83
	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	62,997.60
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	24.00	544.15	13,059.60
	26. MISCELLANEOUS					
30	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	3,555.38	12.55	44,619.96

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
		Total for Each				**4,691,675.13**
		Total for 6 Block				**28,150,050.78**
		Estimated amount for Non-Schedule & Post Detail Design				1,849,949.22
		Total				**30,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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	
	Short Wall A	10	6.00	3.00	3.00	540.00	
	Planter	2	39.00	1.50	2.00	234.00	
					Total:	**2,900.25**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	2,900.25			**1160.10**	
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	
	W.C	2	6.00	6.00	4.00	288.00	
	Deck Area	2	12.75	6.50	4.00	663.00	
					Total:	**3,691.50**	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	
	Planter	2	39.00	1.50	0.25	29.25	
					Total:	**251.44**	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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	6.00	6.00	0.33	23.76	
	Deck Area	2	12.75	6.50	0.33	54.70	
					Total:	**304.55**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	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	
	Deck Area	2	12.75	6.50	0.17	28.18	
					Total:	**156.89**	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	
	Short Wall A	10	6.00	2.50	0.50	75.00	
					Total:	**370.31**	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	
	Short Wall A	2	25.88	0.75	0.75	29.11	
	Short Wall A	10	6.00	0.75	0.75	33.75	
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	**656.61**	Cft
9	**Reinforcement**						
	RCC Footing	1	370.31	2.50	Per Cft	925.78	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Superstructural	1	656.61	4.50	Per Cft	2,954.73	
					Total	**3,880.51**	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**						
	Long Wall A	2	92.25		1.50	276.75	
	Short Wall A	2	25.88		1.50	77.63	
	Short Wall A	10	6.00		1.50	90.00	
					Total:	**444.38**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	92.25	1.50	0.50	276.75	
	Short Wall A	2	25.88	1.50	0.50	77.63	
	Short Wall A	10	6.00	1.50	0.50	90.00	
	2nd Steps						
	Long Wall A	2	92.25	1.13	0.50	207.56	
	Short Wall A	2	25.88	1.13	0.50	58.22	
	Short Wall A	10	6.00	1.13	0.50	67.50	
	3rd Steps						
	Long Wall A	2	92.25	0.75	4.50	138.38	
	Short Wall A	2	25.88	0.75	4.50	38.81	
	Short Wall A	10	6.00	0.75	4.50	45.00	
	Planter	2	39.00	0.75	2.00	117.00	
	Ent Steps						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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	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	
	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	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	
	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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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**						
	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
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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

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 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	
	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

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Toilet Blocks at Different Locations within the Wildlife Park.

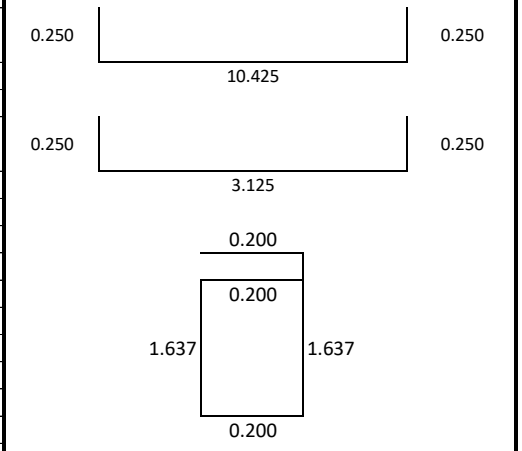
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
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**						
	Ramp Railing	2	15.00			30.00	
					Total	**30.00**	Rft
30	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	92.25	3.00		553.50	
	Short Wall A	2	25.88	3.00		155.25	
	Short Wall A	10	6.00	3.00			
	Planter	2	39.00	1.50			
	sides						
	Long Wall A	4	92.25		3.00	1,107.00	
	Short Wall A	4	25.88		3.00	310.50	
	Short Wall A	20	6.00		3.00	360.00	
	Planter	4	39.00		2.00	312.00	
	Under Floor						
	Male & Female Toilet	2	10.88	19.50		424.13	
	Male & Female Toilet	2	4.00	6.38		51.00	
	W.C	10	6.00	3.50		210.00	
	W.C	2	6.00	6.00		72.00	
					Total:	**3,555.38**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	19	19	10.93	206.014	0.888	182.94	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		1	36	36	3.63	129.594	0.888	115.08	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		99	5	495	3.87	1917.630	0.888	1702.86	
									Total (2 Set)	**2000.00**	



EXTERNAL ELECTRIFICATION WORKS OF UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI

Sr No.	Description	Amount (Rs)
1	Overhead Electrification	77,620,813
2	Entrance Gate & Guard Room	12,837,507
3	Glamping Pods	10,921,382
4	EV Track	27,997,091
5	Car Parking	71,238,106
6	Eco Lodges	8,769,760
7	Toilet Block	2,229,004
8	Housing Unit	5,501,112
9	Research and Education	16,967,049
10	Tree House	4,338,177
11	Tranformer/Sub. Station Building Charges	141,580,000
TOTAL AMOUNT (Rs)		**380,000,000**

EXTERNAL ELECTRIFICATION WORKS OF UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI

PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)

DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT (Rs)
CONDUCTOR (HT) DOG	MTR	15,000	413	6,195,000
PC POLE (HT) 45'	NO	10	108,254	1,082,540
PC POLE (HT) 36'	NO	60	39,365	2,361,900
STEEL CROSS ARM (WITH BRACES)	NO	183	10,068	1,842,444
11KV DISC INSULATOR	NO	240	4,019	964,560
DEAD END CLAMP (DOG)	NO	240	537	128,880
ANCHOR SHAKLE	NO	240	230	55,200
DOUBLE ARMING BOLT	NO	240	455	109,200
EYE - NUT	NO	240	173	41,520
P.G CONNECTOR (DOG)	NO	240	703	168,720
11KV PIN TYPE INSULATOR	NO	387	1,177	455,499
11 KV INSULATOR PIN FOR STEEEL X ARM	NO	387	997	385,839
STRUT STAY	NO	25	100	2,500
STAY ROD	NO	34	63	2,142
STAY WIRE	KG	340	358	121,720
EARTH ROD	NO	115	1,500	172,500
EARTH WIRE	KG	575	358	205,850
NUT & BOLTS	L/S	1	15,000	15,000
SUB TOTAL				**14,311,014**
12% STORE CHARGES OF TOTAL COST OF MATERIAL				**1,717,322**
SUB TOTAL WIITH 12% STORE CHARGES				**16,028,336**
10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL				**1,602,834**
GRAND TOTAL				**17,631,169**
CIVIL WORK				
ERRECTION OF HT PC POLE (45')	JOB	10	10,000	100,000
ERRECTION OF HT PC POLE (36')	JOB	60	8,000	480,000
ERRECTION OF STRUT STAY	JOB	25	5,000	125,000
EARTHING POLE/STRUT STAY	JOB	95	756	71,820
FIXING OF STAY ROD HT	JOB	34	800	27,200
TOTAL				**804,020**

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	1,298,301	12,983,010
LT PC POLE FOR T/F PLATEFORM	NO	10	55,000	550,000
STEEL CROSS ARM (WITH BRACES)	NO	10	10,068	100,680
PIN INSULATORS	NO	30	1,177	35,310
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

EXTERNAL ELECTRIFICATION WORKS OF UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI

PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)

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				**14,443,410**
12% STORE CHARGES OF TOTAL COST OF MATERIAL				**1,733,209**
SUB TOTAL WIITH 12% STORE CHARGES				**16,176,619**
10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL				**1,617,662**
GRAND TOTAL				**17,794,281**
CIVIL WORK				
ERRECTION OF LT PC POLE	JOB	10	4,000	40,000
EARTHING OF LT PC POLES	JOB	10	1,000	10,000
EARTHING TRANSFORMERS	JOB	20	1,000	20,000
TOTAL				**70,000**

BOQ/COST ESTIMATE FOR 100 KVA DISTRIBUTION TRANSFORMER/ SUB STATION ON DOUBLE POLE (11KV FEEDER # 1)

DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT (RS)
TRANSFORMER 100 KVA	NO	21	818,047	17,178,987
LT PC POLE FOR T/F PLATEFORM	NO	21	55,000	1,155,000
STEEL CROSS ARM (WITH BRACES)	NO	21	10,068	211,428
PIN INSULATORS	NO	63	1,177	74,151
PIN FOR INSULATOR	NO	63	997	62,811
STEEL X-ARMS FOR D-FITTING	NO	21	8,000	168,000
DROP OUT CUT OUT	SET	63	4,878	307,314
TRANSFORMER PLATFORM (DOUBLE POLE)	NO	21	30,240	635,040
RABBIT CONDUCTOR FOR JUMPRING	MTR	630	256	161,280
D-SHACKLE	NO	168	409	68,712
SPOOL INSULATOR	NO	168	318	53,424
EARTH ROD	NO	42	1,500	63,000
EARTH WIRE	KG	210	358	75,180
NUT & BOLTS	L/S	1	15,000	15,000
SUB TOTAL				**20,229,327**
12% STORE CHARGES OF TOTAL COST OF MATERIAL				**2,427,519**
SUB TOTAL WIITH 12% STORE CHARGES				**22,656,846**
10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL				**2,265,685**
GRAND TOTAL				**24,922,531**
CIVIL WORK				
ERRECTION OF LT PC POLE	JOB	21	4,000	84,000
EARTHING OF LT PC POLES	JOB	21	1,000	21,000
EARTHING TRANSFORMERS	JOB	42	1,000	42,000
TOTAL				**147,000**

EXTERNAL ELECTRIFICATION WORKS OF UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI

PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)

COST OF MATERIAL FOR LT LINE (Overhead)

(11KV FEEDER # 1)

EXTERNAL ELECTRIFICATION WORKS OF UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI

PROPOSED 11KV FEEDER COST OF MATERIAL FOR HT LINE (Overhead)

DESCRIPTION	UNIT	QTY	RATE (RS)	AMOUNT (RS)
LT P.C POLES	NO	102	4,000	408000
D. SHAKLE	NO	1,466	409	599594
SPOOL INSULATOR	NO	1,466	318	466188
WASP CONDUCTOR	MTR	26,708	374	9988912
WASP CONDUCTOR FOR JUMPRING	MTR	1080	374	403920
L.C - 16	NO	1,466	145	212570
EARTH ROD	NO	102	1,500	153000
EARTH WIRE	KG	510	358	182580
STAY ROD	NO	81	63	5103
STAY WIRE	KG	810	358	289980
NUTS & BOLTS	L/S	1	15,000	15000
SUB TOTAL				**12,724,847**
12% STORE CHARGES				**1,526,982**
SUB TOTAL WIITH 12% STORE CHARGES				**14,251,829**
10% INSTALLATION CHARGES OF TOTAL COST OF MATERIAL				**1,425,183**
GRAND TOTAL				**15,677,011**
ERRECTION OF LT PC POLE	JOB	102	4,000	408,000
EARTHING OF LT PC POLES	JOB	102	1,000	102,000
FIXING OF STAY ROD LT	JOB	81	800	64,800
TOTAL				**574,800**
GRAND TOTAL OF ALL ABOVE ITEMS				**77,620,813**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI

ENTERANCE GATE & GUARD ROOM

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		INTERNAL ELECTRCAL WORKS				
1		**Pvc Pipe**				
		Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent				
	CH-24-3-iii	25 mm dia	Meter	150	446	66,833
b	**CH-24-4-iv**	Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent 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") - (1.5mm²)	Meter	75	120	8,989
	iii	7/0.74 mm (7/0.029") - (2.5mm²)	Meter	20	173	3,460
	iv	7/0.036" (4mm²)	Meter	40	240	9,584
	v	7/0.044" (6mm²)	Meter	35	333	11,667
		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		6mm2	Meter	50	984	49,208
b	**CH-24-b-vi**	16mm2	Meter	150	2,311	346,650
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	1	878	878
	b-iii	6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent	Each	1	1,396	1,396
	a-ix	20A double pole switch for AC	Each	1	2,642	2,642
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	2	915	1,829
6		**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	5,868	11,736

ENTERANCE GATE & GUARD ROOM

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: 300 x 300 x 150mm	Cft	0.47	24,245	11,395
a		**DB Entrance Gate & Guard Room**				-
		MCCB Breakers (Incoming)				-
	CH-24-89-a-iii	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge.				-
		32 Amp TP MCCB 18KA - Incoming	Each	1	14,473	14,473
		MCB Breakers (Outgoing)				-
	CH-24-88-b-iii	Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge.				-
		10 Amps SP 10KA	Each	6	1,455	8,731
		16 Amps SP 10KA	Each	6	1,455	8,731
		20 Amps SP 10KA	Each	1	1,455	1,455

ENTERANCE GATE & GUARD ROOM

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
8		**Bracket Fan**				-
	CH-24/106-i	Providing and fixing Copper winded wall bracket 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 **18" sweep**	Each	2	7,302	14,604
9		**CCTV SYSTEM**				-
a		**Fixed Bullet Camera**				-
	CH-24-131-c-i	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with25fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories / materials. Make: - Honeywell / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer In charge. **12MP Fixed Bullet Camera**	Each	4	113,776.50	455,106
		Network Video Recorder				-
b	**CH-24-123-ii**	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 **16 Channel**	Each	3	124,054.50	372,164
		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	6	48,826.20	292,957
10		**POE Switch**				-
	CH-24-118-iii	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. 16 port, Min. 300Watt PoE power	Each	3	84,243	252,730
9		**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	50	1,068	53,390
10		**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

ENTERANCE GATE & GUARD ROOM

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
11		**Cabinet 27U (600x600x1300mm)**				-
	CH-24-137-ii	Supply , installation of floor mounted Main CCTV Cabinet of specified size, installed in Main IT / Server room/Security Room, made of Powder Coated M.S frame, perforated front & rear doors, removable side panels, 04 way fans for cooling, top/bottom entry, handle lock with 4 lockable wheels, cable manager, with 6 way PDU (Power Distribution Unit) & 2 x 6 way PDU (Power Distribution Unit) for 42U size 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 In charge.	Each	1	105,051	105,051
12		**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	4	2,795	11,179
SCHEDULE ITEMS TOTAL COST						**2,270,706**

ENTERANCE GATE & GUARD ROOM

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	3	8,500	25,500
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	4	4,800	19,200
c	**NS**	Flood light 200W, IP rating 65	Each	6	60,000	360,000
14		**Earthing System**				-
	NS	Special Maintenance free 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. The rod shall be dipped in mixture of NH4Cl, CaCO3 and Charcoal in the pipe. Including earth conductivity material : Bentonite Based , Weight Bag 20 kg. Provide a GI Tee and Cap on the top of the pipe to take the stranded conductor out of the manhole for other connections. Including cost of brick work earthing pit with steel cover of size 2x2 feet included in this job. 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	380,000	380,000
15	**NS**	Telephone junction box of 20 pairs. Krone Stips	Each	1	28,000	28,000
16	**NS**	Master Console Set	Each	1	40,000	40,000
17	**NS**	Analog Extension Interface with CLI.	Each	2	14,000	28,000
18	**NS**	Supply, Installation and Connection of 16 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	3	75,000	225,000
19	**NS**	Supply and installation of telephone exchange (PABX), 3 Lines and 12 Extensions	Each	1	65,000	65,000
20		**ANPR CAMERA**				-
	NS	Supply and installtion of ANPR Camera 4MP, Moto Varifocal Bullet Camera. Effieicient H.265+ compression technology. Make: Hikvision, Dahua or equivalent	Each	2	450,000	900,000
21	**NS**	Supply, installation, testing and commissioning of Outdoor IP65 Cabinet for Network Switches. Make: Schneider, HP, Huawei or approved equivalent as per entire satifaction and instruction of the Engineer-in-Charge.	Each	2	60,000	120,000

ENTERANCE GATE & GUARD ROOM

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
22		**PARKING SYSTEM WITH SOFTWARE**				-
		Supply, installation, testing and commissioning of paid 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, along with the supply of ANPR camera of High-speed high-definition camera with 5MP lens, With upper and lower flash light for night time, Built-in 12.1 Inch LCD screen to show messages of real-time vacancy and occupancy numbers, Built-in audio broadcasting Communication: TCP/IP, Protection class: IP54, Pic resolution :2592*1944 JPG , Input Voltage:AC100~240V, Working Temperature:-30℃～+70℃, Captured Lane Width: ≤4.0 meters, Dimension:280*198*1210mm. Complete in all respect in running condition.	Each	1	4,636,101	4,636,101
23		**POE Switch 6-Port**				-
	NS	Supply, installation and connection of 6 Ports PoE (Power Over Ethernet) data Network Switch specified ports 6FE(PoE)+2GE(PoE)+2GE(UP-LINK) +1SFP AI Hybrid PoE Switch ports, As per specifications complete in all respects	Each	2	45,000.00	90,000
24	**NS**	Supply, installation, testing and connecting of 24-Port Patch Pannel Fully Loaded with I/O and patch cord	Each	3	225,000	675,000
25	**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
26	**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	1,800,000	1,800,000
27	**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	2	450,000	900,000
NON-SCHEDULE ITEMS TOTAL COST						**10,566,801**
TOTAL COST						**12,837,507**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
GLAMPING PODS

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		INTERNAL ELECTRCAL WORKS				
1		**Pvc Pipe**				
		Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent				
	CH-24-3-iii	25 mm dia	Meter	250	446	111,388
b	**CH-24-4-iv**	Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent 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") - (1.5mm²)	Meter	125	120	14,981
	iii	7/0.74 mm (7/0.029") - (2.5mm²)	Meter	50	173	8,650
	iv	7/0.036" (4mm²)	Meter	70	240	16,772
	v	7/0.044" (6mm²)	Meter	60	333	20,001
4		**Three Core Cable**				
	CH-24-13-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	**vi**	6mm2	Meter	100	984	98,415
b		16mm2	Meter	150	2,311	346,650
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	4	915	3,659
	CH-24/108-a-x	20A double pole switch for AC	Each	2	2,642	5,284
6		**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	5,868	11,736

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
GLAMPING PODS

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. QTY: 01 a) 6" deep i) 20-60A Size: 300 x 300 x 150mm	Cft	0.47	24,245	11,395
		MCCB Breakers (Incoming)				
	CH-24-93-a-i	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge.				
		32 Amp TP MCCB 18KA - Incoming	Each	1	14,473	14,473
		MCB Breakers (Outgoing)				
	CH-24-88-b-iii	Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge.				
		10 Amps SP 10KA	Each	6	1,455	8,731
		16 Amps SP 10KA	Each	6	1,455	8,731
		20 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	3	84	253
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	3	731	2,192
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	3	10,819	32,458
SCHEDULE ITEMS TOTAL COST						**865,676**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
GLAMPING PODS

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
11		**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		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	6	8,500	51,000
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	12	4,800	57,600
12		**Earthing System**				
	NS	Special Maintenance free 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. The rod shall be dipped in mixture of NH4Cl, CaCO3 and Charcoal in the pipe. Including earth conductivity material : Bentonite Based , Weight Bag 20 kg. Provide a GI Tee and Cap on the top of the pipe to take the stranded conductor out of the manhole for other connections. Including cost of brick work earthing pit with steel cover of size 2x2 feet included in this job. 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	380,000	380,000
13	**NS**	Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume (m^3/h): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent	Each	1	450,000	450,000
14	**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
15	**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						**1,318,600**
TOTAL COST						**2,184,276**
TOTAL COST 5 Nos						**10,921,382**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
EV Track

Sr. No.	MRS Ref No.	Description	Units	Qty	Rate (Rs.)	Amount (Rs.)
1	24/13/a/iii	Twin core cable 7/0.74 mm (7/0.029") copper conductor, PVC insulated cable complete (excluding conduit), supply and fixing.	Meters	500	394	197,050
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	6	19,861	119,166
3		Supply and erection of Four Core armoured XLPE insulated, PVC Sheathed copper 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	24/15vi	4C x 25 mm2	Meters	300	158	47,265
4	24/12iv	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	300	764	229,155
5		Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge				
a	24/73/a/ii	Single Arm 10 M	Each	20	134,229	2,684,584
6	24/74cviii	Supplying, installation and commissioning of LED Cobra-head Luminaries of 150 Watt with 18000 lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (NVC/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating devicei/c thecost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge	Each	20	86,589	1,731,788
SCHEDULE ITEMS TOTAL COST						**5,082,091**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
EV Track

Sr. No.	MRS Ref No.	Description	Units	Qty	Rate (Rs.)	Amount (Rs.)
7	NS	Street Lighting Control Panels (SLCP) 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, 99.9% electrolytic Cu busbar TPN+E and Controls IP66. Complete in all respect as approved and directed by the Engineer Incharge. Recommended manufacturers are M/s Bilal Switchgear, M/s PEL, M/s Tariq Electric Pvt. Ltd. or equivalent. Including 01 x 4P Manual Change Over (3 position switches for operation in auto (with photocell) and normal (manual mode-photocell overide) 01 x Photo Electric Switch/Sensor with timers and relays. ABB or Panasonic 01 x Toggle Switch 01 x ON/OFF Push Buttons 01 No. ammeters 0-100 Amp, with selector switch (04 position) and CT of 100/5 Amp 03 No. indication lights 01 No. voltmeter with fuse and 7 position selector switch. 03 Ph, N & Earth copper busbars Internal wiring & line-up terminals etc. Brass cable glands/accessories 01 No. Panel Light with limit Switch 20~60A (800mm x 650mm x 350mm) foundation of PCC 1:2:4	Each	8	300,000	2,400,000
8		Supply and erection of Four Core armoured XLPE insulated, PVC Sheathed copper 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	4C x 16 mm2	Meters	600	13,000	7,800,000
9		Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge				
a	NS	Foundation for Single Arm 10 M	Each	20	70,000	1,400,000
10	NS	Special Maintenance free Earth for transformers, LT and switchgear for areas having water table upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings. Including Earthing connection link bars in all electrical rooms	Each	3	380,000	1,140,000
11	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	5500	650	3,575,000
12	NS	Charging Ports with Complete Assembly	NO	5	1,320,000	6,600,000
NON- SCHEDULE ITEMS TOTAL COST						**22,915,000**
TOTAL COST						**27,997,091**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
CAR PARKING AREA

Sr. No.	MRS Ref No.	Description	Units	Qty	Rate (Rs.)	Amount (Rs.)
1	24/13/a/iii	Twin core cable 7/0.74 mm (7/0.029") 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	5	24,361	121,805
2b	24/90ai	Triple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip MCCB, 25-100 Amp(25 KA), supply and fixing	Each	20	19,861	397,221
3		Supply and erection of Four Core armoured XLPE insulated, PVC Sheathed copper 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	24/15vi	4C x 25 mm2	Meters	1800	158	283,590
4	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	2000	764	1,527,700
5		Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge				
a	24/73/a/ii	Single Arm 10 M	Each	50	134,229	6,711,460
b	24/73/a/iii	Double Arm 10 M	Each	30	139,269	4,178,084
6	24/74cviii	Supplying, installation and commissioning of LED Cobra-head Luminaries of 150 Watt with 18000 lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (NVC/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating devicei/c thecost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge	Each	110	86,589	9,524,834

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
CAR PARKING AREA

Sr. No.	MRS Ref No.	Description	Units	Qty	Rate (Rs.)	Amount (Rs.)
7		**CCTV SYSTEM**				
		Fixed Bullet Camera				
a	**CH-24-131-c-i**	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with25fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories / materials. Make: - Honeywell / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer In charge. **12MP Fixed Bullet Camera**	Each	20	113,777	2,275,530
b	**CH-24-133-iii**	Supply, installation & connecting outdoor PTZ (Pan-Tilt-Zoom),IP based Camera of specified resolution, lens, motorized varifocal & AF function, specified optical zoom,D/N function-IR cut filter, Video content analysis, micro SD card support, Min, illumination: face recognition, specified IR LED range RANGE i/c the cost of mounting bracket,accessories,made of AXIS Europe/NOVAS Europe/Avigilon by Motorola USA/Bosch Germany, Pollo Australia or equivalent, as approved as directed by the Engineer In charge. 4.0 MPxl, Optical zoom 30x,Digital zoom 16x,laser distance 200 meter, Main stream H-264+/265+, sub stream H.264/265, Third Stream H.264/265, Max resolution 2560 x 1440 with 30 fps,IP-67.	Each	4	555,251	2,221,002
c	**24/141/a/i**	Supply, Installation and commissioning of Armored Fiber Optic Cable of specified core and mode, Fiber Optic Connection, UL listed , in prelaid/pipe, cable tray , including all accessories, made of Norden / Schneider / Panduit/Pollo Australia or equivalent Complete in all respect as approved and directed by Engineer Incharge a) Multimode OM3 iii) 12 Core	Meters	1200	2,889	3,466,800
d	**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 Incharge. **8 port POE Switch (120Watt POE Power)**	Each	3	48,500	145,500
e	**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.	Meters	1000	160	160,200
SCHEDULE ITEMS TOTAL COST						**31,723,106**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
CAR PARKING AREA

Sr. No.	MRS Ref No.	Description	Units	Qty	Rate (Rs.)	Amount (Rs.)
8	**NS**	Street Lighting Control Panels (SLCP) 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, 99.9% electrolytic Cu busbar TPN+E and Controls IP66. Complete in all respect as approved and directed by the Engineer Incharge. Recommended manufacturers are M/s Bilal Switchgear, M/s PEL, M/s Tariq Electric Pvt. Ltd. or equivalent. Including 01 x 4P Manual Change Over (3 position switches for operation in auto (with photocell) and normal (manual mode-photocell overide) 01 x Photo Electric Switch/Sensor with timers and relays. ABB or Panasonic 01 x Toggle Switch 01 x ON/OFF Push Buttons 01 No. ammeters 0-100 Amp, with selector switch (04 position) and CT of 100/5 Amp 03 No. indication lights 01 No. voltmeter with fuse and 7 position selector switch. 03 Ph, N & Earth copper busbars Internal wiring & line-up terminals etc. Brass cable glands/accessories 01 No. Panel Light with limit Switch 80, 60A (800 mm x 650 mm x 250 mm) fixed on line of RCC 1:2:4	Each	3	300,000	900,000
9		Supply and erection of Four Core armoured XLPE insulated, PVC Sheathed copper 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**	4C x 16 mm2	Meters	1800	13000	23,400,000
10		Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge				
a	**NS**	Foundation for Single Arm 10 M	Each	80	70,000	5,600,000
11	**NS**	Special Maintenance free Earth for transformers, LT and switchgear for areas having water table upto Natural water level depth, supply and fixing vide Tender Specifications and Drawings. Including Earthing connection link bars in all electrical rooms	Each	5	150,000	750,000
12	**NS**	LED Flood Security Light, 400 watt, 220-240 Volts, approved type Imported, complete supply and fixing.	Each	25	120,000	3,000,000
13	**NS**	GI Pole of of 12 meter height along with foundation for 400W Light	Each	20	90,000	1,800,000
14	**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	2500	650	1,625,000

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
CAR PARKING AREA

Sr. No.	MRS Ref No.	Description	Units	Qty	Rate (Rs.)	Amount (Rs.)
15	**NS**	Supply, installation, testing and commissioning of Multimode Fiber OM4 Patch cord (3 Meter). Make: R&M, Molex or approved equivalent as per entire satifaction and instruction of the Engineer-in-Charge.	Each	60	10,000	600,000
16	**NS**	Supply, installation, testing and commissioning of 4 Port ODF with Pigtails and couplers complete in all respects. Make: Schneider, R&M, Ruiji or approved equivalent as per entire satifaction and instruction of the Engineer-in-Charge.	Each	12	25,000	300,000
17	**NS**	Supply, installation, testing and commissioning of Outdoor IP65 Cabinet for Network Switches. Make: Schneider, Huawei, HP or approved equivalent as per entire satifaction and instruction of the Engineer-in-Charge.	Each	12	70,000	840,000
18	**NS**	Supply, installation, testing and commissioning of network keyboard for PTZ Display 7 inch LCD, Control Method Network method, serial control, Decoding Parameter Performance 4 × 1080p, Joystick 4-axis single button joystick, USB Interface USB 2.0 × 1, should Supports video wall division by areas, should Supports group operation, macro operation and other batch operations, should Supports switching the camera location ID by using the PREV button and NEXT button on the keyboard, should Supports PTZ direction control via the 4-axis joystick, Allows 32 users (1 administrator and 31 operators) to manage a maximum of 4000 devices. Make Hikvision, Axis, Samsung or equivalent	Each	1	450,000	450,000
19	**NS**	GI Pole for Cameras installation	Each	10	25,000	250,000
NON- SCHEDULE ITEMS TOTAL COST						**39,515,000**
TOTAL COST						**71,238,106**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Eco-lodges

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		INTERNAL ELECTRCAL WORKS				
1		**Pvc Pipe**				
		Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent				
	CH-24-3-iii	25 mm dia	Meter	200	446	89,110
b	**CH-24-4-iv**	Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent 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") - (1.5mm²)	Meter	150	120	17,978
	iii	7/0.74 mm (7/0.029") - (2.5mm²)	Meter	50	173	8,650
	iv	7/0.036" (4mm²)	Meter	100	240	23,960
	v	7/0.044" (6mm²)	Meter	60	333	20,001
4		**Three Core Cable**				
	CH-24-14-b-v	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm2	Meter	50	984	49,208
b		16mm2	Meter	150	2,311	346,650
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		**Switch Sockets**				
	CH-24/108-a-iv	3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent	Each	6	745	4,467
	CH-24/108-a-viii	3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent	Each	2	915	1,829
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	5,868	5,868

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Eco-lodges

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
8		**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: 300 x 300 x 150 mm Qty: 01 No	Cft	0.47	24,245	11,395
		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	7	1,455	10,186
		16 Amps SP 10KA	Each	7	1,455	10,186
		20 Amps SP 10KA	Each	1	1,455	1,455
9		**M.S Fan Hook**				

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Eco-lodges

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	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
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	1	731	731
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	1	10,819	10,819
		SCHEDULE ITEMS TOTAL COST				**775,852**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Eco-lodges

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
12		**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	5	8,500	42,500
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	22	4,800	105,600
13		**Earthing System**				
	NS	**Earthing System**	Job	1	380,000	380,000
13	**NS**	Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume (m^3/h): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent	Each	1	450,000	450,000
NON-SCHEDULE ITEMS TOTAL COST						**978,100**
TOTAL COST						**1,753,952**
TOTAL COST 5 No						**8,769,760**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Toilet Block

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		INTERNAL ELECTRCAL WORKS				
1		**Pvc Pipe**				
		Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent				
	CH-24-3-iii	25 mm dia	Meter	350	446	155,943
b	**CH-24-4-iv**	Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent 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") - (1.5mm²)	Meter	150	120	17,978
	iii	7/0.74 mm (7/0.029") - (2.5mm²)	Meter	70	173	12,110
	iv	7/0.036" (4mm²)	Meter	100	240	23,960
	v	7/0.044" (6mm²)	Meter	80	333	26,668
4		**Three Core Cable**				
	CH-24-14-b-v	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm2	Meter	100	984	98,415
b		16mm2	Meter	150	2,311	346,650
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
6		**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	4	915	3,659
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	10	5,868	58,681

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Toilet Block

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
8		**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	24,245	60,854
		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	9	1,455	13,096
		16 Amps SP 10KA	Each	6	1,455	8,731

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Toilet Block

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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
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						**1,035,404**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Toilet Block

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
12		**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		Flood Light 50W, 4900 Lumens, IP rating-65	Each	6	40,000	240,000
e		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	32	4,800	153,600
13		**Earthing System**				
	NS	Special Maintenance free 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. The rod shall be dipped in mixture of NH4Cl, CaCO3 and Charcoal in the pipe. Including earth conductivity material : Bentonite Based , Weight Bag 20 kg. Provide a GI Tee and Cap on the top of the pipe to take the stranded conductor out of the manhole for other connections. Including cost of brick work earthing pit with steel cover of size 2x2 feet included in this job. 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	380,000	380,000
14	**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	4	105,000	420,000
NON-SCHEDULE ITEMS TOTAL COST						**1,193,600**
TOTAL COST						**2,229,004**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Housing Unit

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		INTERNAL ELECTRCAL WORKS				
1		**Pvc Pipe**				
		Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent				
a	CH-24-3-iii	25 mm dia	Meter	1,200	446	534,660
b	CH-24-4-v	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 40 mm dia	Meter	50	455	22,730
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") - (1.5mm²)	Meter	500	120	59,925
	iii	7/0.74 mm (7/0.029") - (2.5mm²)	Meter	200	173	34,600
	iv	7/0.036" (4mm²)	Meter	350	240	83,860
	v	7/0.044" (6mm²)	Meter	225	333	75,004
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		6mm2	Meter	300	984	295,245
b	CH-24-14-d-v	25mm2	Meter	150	5,223	783,510
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	4	878	3,512
	b-iii	6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent	Each	10	1,396	13,960
	a-ix	20A double pole switch for AC	Each	6	2,642	15,853
6		**Switch Sockets**				
	CH-24/108-a-iv	3Pin 13Amp Light Plug, Clipsal, Schneider or equivalent	Each	10	745	7,446
	CH-24/108-a-viii	3Pin 16Amp Power Plug, Clipsal, Schneider or equivalent	Each	8	915	7,317
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	6	5,868	35,209

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Housing Unit

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
8		**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	55.00	20,000	1,100,000
		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	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	12	1,455	17,461
		16 Amps SP 10KA	Each	12	1,455	17,461
		20 Amps SP 10KA	Each	6	1,455	8,731
9		**M.S Fan Hook**				

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Housing Unit

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	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	6	84	506
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	6	731	4,384
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	6	10,819	64,916
SCHEDULE ITEMS TOTAL COST						**3,321,745**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Housing Unit

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
12		**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	27	35,000	945,000
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	20	4,800	96,000
c		Underfround Lights IP-65 of 3 W	Each	20	4,500	90,000
d		Decorative Light IP-65 for outdoor 10 W	Each	19	3,500	66,500
13		**Earthing System**				
	NS	Special Maintenance free 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. The rod shall be dipped in mixture of NH4Cl, CaCO3 and Charcoal in the pipe. Including earth conductivity material : Bentonite Based , Weight Bag 20 kg. Provide a GI Tee and Cap on the top of the pipe to take the stranded conductor out of the manhole for other connections. Including cost of brick work earthing pit with steel cover of size 2x2 feet included in this job. 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	380,000	380,000
14	**NS**	Supply and installation of electric pool heat for temperature adjustment. Imported Quality. Complete in all respect.	Each	1	600,000	600,000
NON-SCHEDULE ITEMS TOTAL COST						**2,179,366**
TOTAL COST						**5,501,112**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI

Research and Education Center

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		INTERNAL ELECTRCAL WORKS				
1		**Pvc Pipe**				
		Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent				
	CH-24-3-iii	25 mm dia	Meter	1,000	446	445,550
b	**CH-24-4-v**	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 40 mm dia	Meter	50	455	22,730
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") - (1.5mm²)	Meter	800	120	95,880
	iii	7/0.74 mm (7/0.029") - (2.5mm²)	Meter	300	173	51,900
	iv	7/0.036" (4mm²)	Meter	300	240	71,880
	v	7/0.044" (6mm²)	Meter	400	333	133,340
		Three Core Cable				-
	CH-24-14-b-v	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				-
a		6mm2	Meter	350	984	344,453
b	**CH-24-14-d-v**	25mm2	Meter	150	5,223	783,510
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	8	2,642	21,137
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	10	915	9,147
6		**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	4	5,868	23,472

Research and Education Center

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	55.00	75,000	4,125,000
		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	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	10	1,455	14,551
		16 Amps SP 10KA	Each	12	1,455	17,461
		20 Amps SP 10KA	Each	9	1,455	13,096

Research and Education Center

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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	5	84	422
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	5	731	3,654
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	5	10,819	54,097
11		**CCTV SYSTEM**				-
a		**Fixed Bullet Camera**				-
	CH-24-129-b-i	Supply, installation & connecting IP based Camera of specified resolution, 1/3" Progressive scan, fixed lens 2.8 mm AF, Max resolution 2592 x 1920 mm, Codec H-265, Camera with25fps, day night (ICR), ONVIF, IP-66, Max IR distance 30 meter, WDR Smart Analytics, i/c the cost of mounting bracket, mounting accessories / materials. Make: - Honeywell / Bosch / Norden, Pollo Australia or equivalent, as approved as directed by the Engineer In charge. **4MP Fixed Bullet Camera**	Each	6	76,210.50	457,263
		Network Video Recorder				-
b	**CH-24-123-ii**	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 **16 Channel**	Each	1	124,054.50	124,055
		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	2	48,826.20	97,652
12		**POE Switch**				-
	CH-24-118-iii	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. 16 port, Min. 300Watt PoE power	Each	1	84,243	84,243
9		**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	30	1,068	32,034
10		**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

Research and Education Center

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
11		**Cabinet 27U (600x600x1300mm)**				-
	CH-24-137-ii	Supply , installation of floor mounted Main CCTV Cabinet of specified size, installed in Main IT / Server room/Security Room, made of Powder Coated M.S frame, perforated front & rear doors, removable side panels, 04 way fans for cooling, top/bottom entry, handle lock with 4 lockable wheels, cable manager, with 6 way PDU (Power Distribution Unit) & 2 x 6 way PDU (Power Distribution Unit) for 42U size 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 In charge.	Each	1	105,051	105,051
SCHEDULE ITEMS TOTAL COST						**7,351,749**

Research and Education Center

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 Panel Light 40 watts, 220/240 volts, , Color Redering > 80, 2 x 2 ft. Complete in all respects.	Each	25	8,500	212,500
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	26	4,800	124,800
14		**False Ceiling Fan**				-
	NS	Supply and installtion of False Ceiling Fan of 2x2 size. Complete in all respect.	Each	18	35,000	630,000
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	20	32,000	640,000
16		**Earthing System**				-
	NS	Special Maintenance free 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. The rod shall be dipped in mixture of NH4Cl, CaCO3 and Charcoal in the pipe. Including earth conductivity material : Bentonite Based , Weight Bag 20 kg. Provide a GI Tee and Cap on the top of the pipe to take the stranded conductor out of the manhole for other connections. Including cost of brick work earthing pit with steel cover of size 2x2 feet included in this job. 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	380,000	380,000
17	**NS**	Telephone junction box of 20 pairs. Krone Stips	Each	1	28,000	28,000
18	**NS**	Analog Extention interface with CLI	Each	1	65,000	65,000
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	35,000	35,000
20	**NS**	Supply and installation of telephone exchange (PABX), 3 Lines and 12 Extensions	Each	1	500,000	500,000
21	**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	900,000	900,000

Research and Education Center

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
22	**NS**	Supply, installation testing and commissioning of 1.5 Ton DC Inverter Air Conditioner - Split type with cooling capacity of 18000BTU/19000BTU, running current 2.3~10.2 A, heating capacity of 18500BTU/19500BTU with T-3 compressor, Efficiency/ EER/COP(W/W) 3.5-4 or above, Input Supply (Ph, VAC, Hz): 1Ph, 220V, 50Hz, air flow volume (m^3/h): 1100/1200, refrigerant type: R-32/R-410a, refrigerant pipe pure grooved copper, with four Way Air Flow. Complete in all respect including installation kits and copper pipes. Make: Acson, Midea, Daikin or equivalent	Each	8	450,000	3,600,000
23	**NS**	Supply, installation, testing and commissioning of LCD screen of 65 inches 4K LED TV. Make: Sony, Samsung or equivalent	Each	5	500,000	2,500,000
NON-SCHEDULE ITEMS TOTAL COST						**9,615,300**
TOTAL COST						**16,967,049**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Tree House with Accomodation

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		INTERNAL ELECTRCAL WORKS				
1		**Pvc Pipe**				
		Supply and erection of PVC pipe for wiring recessed in walls, floors, roofs including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent				
a	CH-24-3-iii	25 mm dia	Meter	100	446	44,555
b	CH-24-4-iv	Supply and erection of PVC pipe for wiring recessed in surface including inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials. Make Beta, Dadex or equivalent 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") - (1.5mm²)	Meter	75	120	8,989
	iii	7/0.74 mm (7/0.029") - (2.5mm²)	Meter	20	173	3,460
	iv	7/0.036" (4mm²)	Meter	35	240	8,386
	v	7/0.044" (6mm²)	Meter	25	333	8,334
4		**Three Core Cable**				
	CH-24-14-b-v	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) Make Pakistan Cables, Newage Cables, Allied Cables or equivalent				
a		6mm2	Meter	150	984	147,623
5		**Switches**				
	CH-24/108	Supply, installation, testing and commissioning of following switches suitable for the following sizes, for recessed wiring, including regulators, switches, plugs, etc. complete in all respect				
	b-iii	6 GANG 1 WAY SWI/PLATE, Clipsal, Schneider or equivalent	Each	1	1,396	1,396
	c-i	01 Gang Two Way SWI/PLATE, Clipsal, Schneider or equivalent	Each	2	490	980
6		**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	1	915	915

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Tree House with Accomodation

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. **QTY: 01** **a) 6" deep** **i) 20-60A** **Size: 300 x 300 x 150mm**	Cft	0.47	24,245	11,395
		MCCB Breakers (Incoming)				
	CH-24-89-a-iii	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge.				
		32 Amp TP MCCB 18KA - Incoming	Each	1	14,473	14,473
		MCB Breakers (Outgoing)				
	CH-24-88-b-iii	Suppling, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of SCHNEIDER/SIEMEN/ABB in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer In charge.				
		16 Amps SP 10KA	Each	4	1,455	5,820
		10 Amps SP 10KA	Each	5	1,455	7,276
8		**M.S Fan Hook**				

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Tree House with Accomodation

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	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						**415,544**

UP-GRADATION OF WILDLIFE PARK BANSRA GALI MURREE, RAWALPINDI
Tree House with Accomodation

Sr. No.	Ref. No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
11		**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		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	8,500	17,000
b		Flood Light 50W, 4900 Lumens, IP rating-65	Each	2	40,000	80,000
c		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	4,800	192,000
12		**Earthing System**				
	NS	Special Maintenance free 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. The rod shall be dipped in mixture of NH4Cl, CaCO3 and Charcoal in the pipe. Including earth conductivity material : Bentonite Based , Weight Bag 20 kg. Provide a GI Tee and Cap on the top of the pipe to take the stranded conductor out of the manhole for other connections. Including cost of brick work earthing pit with steel cover of size 2x2 feet included in this job. 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	380,000	380,000
NON-SCHEDULE ITEMS TOTAL COST						**669,000**
TOTAL COST						**1,084,544**
TOTAL COST 4						**4,338,177**

Sr. No.	Component	Quantity	Unit Cost (PKR)	Total Cost (PKR)
1	**Substation Equipment**			
1.1	Main Switchgear	Set	-	18,000,000
1.2	Control & Protection Panels	Set	-	8,000,000
1.4	Earthing System	Set	-	5,000,000
2	**Power Transformers**			
2.1	Main Transformer	1 unit	44,980,000	44,980,000
2.2	Protection Equipment	Set	-	1,600,000
2.3	Distribution Transformers	2 units	8,000,000	16,000,000
2.4	Testing & Commissioning	Set	-	2,000,000
3	**HT Cables**			
3.3	11kV Cables	3000 m	7,000/m	21,000,000
3.4	Cable Accessories	Set	-	3,000,000
4	**Trolley System**			
4.1	Poles and Supports	Set	-	6,000,000
4.2	Cantilevers & Brackets	Set	-	4,000,000
4.3	Contact Wire & Catenary	Set	-	5,000,000
4.4	Power Supply Units	Set	-	4,000,000
4.5	Control Panels	Set	-	3,000,000
	Subtotal			**141,580,000**
	GRAND TOTAL			**141,580,000**

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Providing And Laying Of Sewerage Pipe lines and manholes

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	Water & Waste Water Cost	350,632,065	
	Grand.Total	**350,632,065**	**350,632,065**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Providing And Laying Of Sewerage Pipe lines and manholes

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
1	Ch-21 I-3	R.C.C pipe Providing and laying R.C.C pipe sewers, moulded with R.C.C 1:1.5:3 conforming to ASTM specifications C-76-79 (or latest edition of the relevant specification), class II,Wall B i/c carriage of pipes from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete. 4000 psi				
		24'' i/d from House sewer to Collection Tank	RFT	8,666.00	3,181	27,565,679
	Ch-23 I-60	Cost for DI Pipe for Force Main 12'' Dia	RFT	6,275.32	19,188	120,413,709
		Sluice valves Provide lay, test and commission Sluice valves size special alloy body & disc with SS spindle and seat, standard BSS for sewage applications complete in all respect up to entire satisfaction of the Engineer In charge	No	3.00	400,000	1,200,000
		Non return valve Provide lay, test and commission Non return valve special alloy body and plate with SS pin and seat for sewage applications complete in all respect up to entire satisfaction of the Engineer In charge	No	3.00	400,000	1,200,000
		Serwer Tech. KWP Pump for Water Disposal 5 – Cusec (510 m^3//hr)	Set	3.00	6,000,000	18,000,000
		MCU (Motor Control Unit for Pumps Operation)	Set	3.00	10,500,000	31,500,000
		Cost for Pump House	No	1.00	62,228,926	62,228,926
		Cost of Bore/Well 12'' Dia i/c Material Cost	No	10.00	2,000,000	20,000,000
		Submersible pump (Capacity 4M3) for tubwells dia meter 100mm complete with power cable will all acessories installed ready for operation with minimum head of 120 Meter	Set	10.00	175,000	1,750,000
		Water tanks (2000Liter capacity for each)	Set	10.00	200,000	2,000,000
		Cost of over Head Tank/Under ground 5000 Gallon @ 2000/G	NO	3.00	10,000,000	30,000,000

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Providing And Laying Of Sewerage Pipe lines and manholes

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	Ch-23 I-42 C	Providing, laying,cutting, jointing, testinganddisinfectingHighDensity PolyethylenePipe (HDPE-100) working presure pipe, Beta/ Dadex/ Popular/ IILor approvedequivalentmanufacturer, includingthecost of specials, in trenches, asapproved&directedby theengineer incharge, complete in all respects. Water Supply Line		-		
		PN-10 (SDR-17) 90 mm Dia	Rft	25,000.00	339	8,473,750
		Cost of RO Plant for Common Use 4000 LPH	No	3.00	1,800,000	5,400,000
		Cost of RO Plant for Loges	No	27.00	100,000	2,700,000
		Pressure Pump with Pressure Switches for Water in Animal Encloser	No	14.00	500,000	7,000,000
		MCU (Motor Control Unit for Pumps Operation)	Set	14.00	800,000	11,200,000
		Total for Cost				**350,632,065**

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Boundary Fencing of Wildlife Park and Zones where Required

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	76,722,800	
	Grand.Total	**76,722,800**	**76,722,800**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Boundary Fencing of Wildlife Park and Zones where Required

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

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	152,530.42	503.0	76,722,800.00
		Total				**76,722,800.00**

MEASURMENT SHEETS							
REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE							
Boundary Fencing of Wildlife Park and Zones where Required							
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.							
Sr.No	**DESCRIPTION**	**NO.**	**MEASUREMENT**			**Contents**	
			Length	**Breadth**	**Height**		
30	Providing and fixing hot dipped Galvanized Iron chainlink mesh/fence of 2"x2"mesh made of wire of specified guage,with the help of 1"x1/8" GI patti, GI.clamp sand screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through meshat top,middle and bottom, fixed on vertical posts of 2" diameter GI pipes(medium quality) erected @ 8ft C/Cduly embeded in PCC (1:2:4)etc.complete in all respect as approved and directed by the Engineer Incharge.						
	B.Fence						
	Long Wall A	1	17,944.76	-	8.50	152,530.42	
					Total:	**152,530.42**	**Sft**

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	10,000,000	
	Grand.Total	**10,000,000**	**10,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	3. EARTHWORK (EXCAVATION & EMBANKMENT)					
1	3/21 1ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual				
		ii) in ordinary soil.	P.Cft	2,900.25	15.84	45,939.96
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	1,160.10	7.56	8,773.84
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	3,691.50	31.78	117,306.64
	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	251.44	355.28	89,330.72
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	304.55	128.37	39,094.92
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	156.89	480.22	75,341.12
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)				
		Foundation	P.Cft	370.31	670.00	248,109.38

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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

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	656.61	817.55	536,807.93
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	3,880.51	360.40	1,398,534.57
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	29,166.55
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	37,158.64
	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	490,053.30
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	79,150.92
	10. FLOORING					
14	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	304.55	57.87	17,624.24

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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

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	346,233.26
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	1,162,345.80
17	10/52	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.				
		(i) 3/4" thick	P.Sft	306.50	1,240.55	380,228.58
	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	40,710.61
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	193,457.00
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	70,438.41
21	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	4,847.13	3.98	19,291.56
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	4,847.13	8.65	41,927.63
		ii) two coats	P.Sft	4,847.13	11.99	58,117.03
	12. WOOD WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
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	488,627.20
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	151,429.20
24	12/22	Providing and fixing, approved quality mortice lock.	Each	14.00	1,114.50	15,603.00
25	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	14.00	178.85	2,503.90
	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	52,604.64
		ii) 2nd coat	P.Sft	1,107.00	26.69	29,545.83
	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	62,997.60

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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

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	13,059.60
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	100,581.00
	26. MISCELLANEOUS					
30	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	3,555.38	12.55	44,619.96
		Total				**6,486,714.51**
		Estimated amount for Non-Schedule & Post Detail Design				3,513,285.49
		Total				**10,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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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	
	Short Wall A	10	6.00	3.00	3.00	540.00	
	Planter	2	39.00	1.50	2.00	234.00	
					Total:	**2,900.25**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	2,900.25			**1160.10**	
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	
	W.C	2	6.00	6.00	4.00	288.00	
	Deck Area	2	12.75	6.50	4.00	663.00	
					Total:	**3,691.50**	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	
	Planter	2	39.00	1.50	0.25	29.25	
					Total:	**251.44**	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	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
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	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	
	Deck Area	2	12.75	6.50	0.17	28.18	
					Total:	**156.89**	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	
	Short Wall A	10	6.00	2.50	0.50	75.00	
					Total:	**370.31**	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	
	Short Wall A	2	25.88	0.75	0.75	29.11	
	Short Wall A	10	6.00	0.75	0.75	33.75	
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	**656.61**	Cft
9	**Reinforcement**						
	RCC Footing	1	370.31	2.50	Per Cft	925.78	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Superstructural	1	656.61	4.50	Per Cft	2,954.73	
					Total	**3,880.51**	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**						
	Long Wall A	2	92.25		1.50	276.75	
	Short Wall A	2	25.88		1.50	77.63	
	Short Wall A	10	6.00		1.50	90.00	
					Total:	**444.38**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	92.25	1.50	0.50	276.75	
	Short Wall A	2	25.88	1.50	0.50	77.63	
	Short Wall A	10	6.00	1.50	0.50	90.00	
	2nd Steps						
	Long Wall A	2	92.25	1.13	0.50	207.56	
	Short Wall A	2	25.88	1.13	0.50	58.22	
	Short Wall A	10	6.00	1.13	0.50	67.50	
	3rd Steps						
	Long Wall A	2	92.25	0.75	4.50	138.38	
	Short Wall A	2	25.88	0.75	4.50	38.81	
	Short Wall A	10	6.00	0.75	4.50	45.00	
	Planter	2	39.00	0.75	2.00	117.00	
	Ent Steps						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	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	
	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	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	
	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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
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
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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	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	
	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

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Revamping and Development of the EV Tracks within the Wildlife Park

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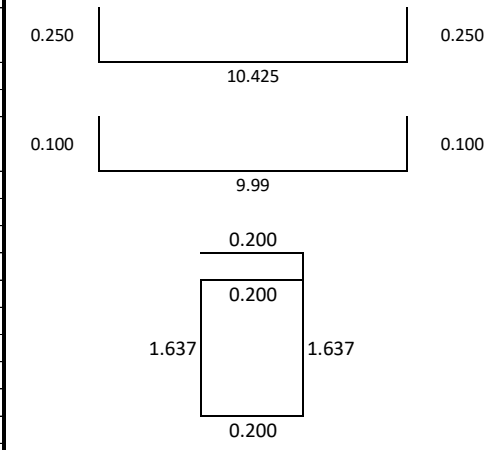
Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
28	**Aluminum Fly screen**						
i	**Ground Floor**						
	Qty same as per window	1	48.00	50%		24.00	
					Total	**24.00**	Sft
29	**M.S. Stair Railing**						
i	**Ground Floor**						
	Ramp Railing	2	15.00			30.00	
					Total	**30.00**	Rft
30	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	92.25	3.00		553.50	
	Short Wall A	2	25.88	3.00		155.25	
	Short Wall A	10	6.00	3.00			
	Planter	2	39.00	1.50			
	sides						
	Long Wall A	4	92.25		3.00	1,107.00	
	Short Wall A	4	25.88		3.00	310.50	
	Short Wall A	20	6.00		3.00	360.00	
	Planter	4	39.00		2.00	312.00	
	Under Floor						
	Male & Female Toilet	2	10.88	19.50		424.13	
	Male & Female Toilet	2	4.00	6.38		51.00	
	W.C	10	6.00	3.50		210.00	
	W.C	2	6.00	6.00		72.00	
					Total:	**3,555.38**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	58	58	10.93	634.586	0.888	563.51	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		10	36	358	10.19	3642.925	0.888	3234.92	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		12	2	24	3.87	92.976	0.888	82.56	
									Total (2 Set)	**3880.51**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction And Development of Star Gazing 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	10,000,000	
	Grand.Total	**10,000,000**	**10,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction And Development of Star Gazing Tower in the Eco Lodges Zone

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	3. EARTHWORK (EXCAVATION & EMBANKMENT)					
1	3/21 1ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual				
		ii) in ordinary soil.	P.Cft	2,900.25	15.84	45,939.96
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	1,160.10	7.56	8,773.84
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	3,691.50	31.78	117,306.64
	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	251.44	355.28	89,330.72
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	304.55	128.37	39,094.92
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	156.89	480.22	75,341.12
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)				
		Foundation	P.Cft	370.31	670.00	248,109.38

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction And Development of Star Gazing Tower in the Eco Lodges Zone

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

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	656.61	817.55	536,807.93
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	3,880.51	360.40	1,398,534.57
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	29,166.55
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	37,158.64
	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	490,053.30
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	79,150.92
	10. FLOORING					
14	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	304.55	57.87	17,624.24

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction And Development of Star Gazing Tower in the Eco Lodges Zone

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

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	346,233.26
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	1,162,345.80
17	10/52	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.				
		(i) 3/4" thick	P.Sft	306.50	1,240.55	380,228.58
	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	40,710.61
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	193,457.00
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	70,438.41
21	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	4,847.13	3.98	19,291.56
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	4,847.13	8.65	41,927.63
		ii) two coats	P.Sft	4,847.13	11.99	58,117.03
	12. WOOD WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction And Development of Star Gazing Tower in the Eco Lodges Zone

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
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	488,627.20
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	151,429.20
24	12/22	Providing and fixing, approved quality mortice lock.	Each	14.00	1,114.50	15,603.00
25	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	14.00	178.85	2,503.90
	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	52,604.64
		ii) 2nd coat	P.Sft	1,107.00	26.69	29,545.83
	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	62,997.60

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction And Development of Star Gazing Tower in the Eco Lodges Zone

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

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	13,059.60
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	100,581.00
	26. MISCELLANEOUS					
30	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	3,555.38	12.55	44,619.96
		Total				**6,486,714.51**
		Estimated amount for Non-Schedule & Post Detail Design				3,513,285.49
		Total				**10,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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	
	Short Wall A	10	6.00	3.00	3.00	540.00	
	Planter	2	39.00	1.50	2.00	234.00	
					Total:	**2,900.25**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	2,900.25			**1160.10**	
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	
	W.C	2	6.00	6.00	4.00	288.00	
	Deck Area	2	12.75	6.50	4.00	663.00	
					Total:	**3,691.50**	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	
	Planter	2	39.00	1.50	0.25	29.25	
					Total:	**251.44**	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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	2	6.00	6.00	0.33	23.76	
	Deck Area	2	12.75	6.50	0.33	54.70	
					Total:	**304.55**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	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	
	Deck Area	2	12.75	6.50	0.17	28.18	
					Total:	**156.89**	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	
	Short Wall A	10	6.00	2.50	0.50	75.00	
					Total:	**370.31**	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	
	Short Wall A	2	25.88	0.75	0.75	29.11	
	Short Wall A	10	6.00	0.75	0.75	33.75	
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	**656.61**	Cft
9	**Reinforcement**						
	RCC Footing	1	370.31	2.50	Per Cft	925.78	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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		
	Superstructural	1	656.61	4.50	Per Cft	2,954.73	
					Total	**3,880.51**	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**						
	Long Wall A	2	92.25		1.50	276.75	
	Short Wall A	2	25.88		1.50	77.63	
	Short Wall A	10	6.00		1.50	90.00	
					Total:	**444.38**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	92.25	1.50	0.50	276.75	
	Short Wall A	2	25.88	1.50	0.50	77.63	
	Short Wall A	10	6.00	1.50	0.50	90.00	
	2nd Steps						
	Long Wall A	2	92.25	1.13	0.50	207.56	
	Short Wall A	2	25.88	1.13	0.50	58.22	
	Short Wall A	10	6.00	1.13	0.50	67.50	
	3rd Steps						
	Long Wall A	2	92.25	0.75	4.50	138.38	
	Short Wall A	2	25.88	0.75	4.50	38.81	
	Short Wall A	10	6.00	0.75	4.50	45.00	
	Planter	2	39.00	0.75	2.00	117.00	
	Ent Steps						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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		
	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	
	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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	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	
	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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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		
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
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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

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		
	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	
	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

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction And Development of Star Gazing Tower in the Eco Lodges Zone

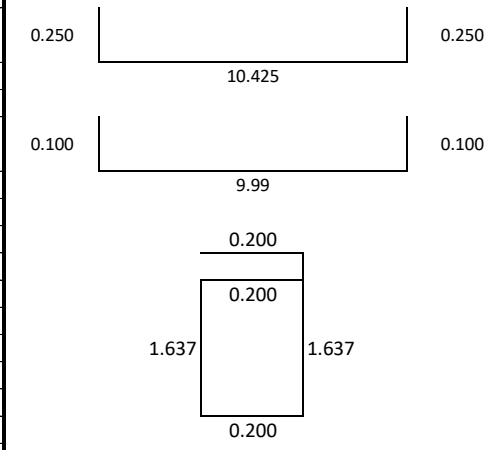
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
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**						
	Ramp Railing	2	15.00			30.00	
					Total	**30.00**	Rft
30	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	92.25	3.00		553.50	
	Short Wall A	2	25.88	3.00		155.25	
	Short Wall A	10	6.00	3.00			
	Planter	2	39.00	1.50			
	sides						
	Long Wall A	4	92.25		3.00	1,107.00	
	Short Wall A	4	25.88		3.00	310.50	
	Short Wall A	20	6.00		3.00	360.00	
	Planter	4	39.00		2.00	312.00	
	Under Floor						
	Male & Female Toilet	2	10.88	19.50		424.13	
	Male & Female Toilet	2	4.00	6.38		51.00	
	W.C	10	6.00	3.50		210.00	
	W.C	2	6.00	6.00		72.00	
					Total:	**3,555.38**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	58	58	10.93	634.586	0.888	563.51	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		10	36	358	10.19	3642.925	0.888	3234.92	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		12	2	24	3.87	92.976	0.888	82.56	
									Total (2 Set)	**3880.51**	



	Item	Quantity	Total Price
Datacenter / Software			
	Enterprise dedicated Internet Connectivity Infrastructure	1	3,600,000
	Advanced Network Security Management Infrastructure	1	1,717,500
	Primary High-Performance Network Distribution System (Core Switches Infrastructure)	1	4,650,000
	High performance application rack server	1	8,805,000
	High Availability (HA) Server	1	5,036,828
	Enterprise Data Backup and Recovery Infrastructure	1	1,950,000
	Centralized Video Management and Recording Infrastructure (Security / CCTV camera streaming and AI based people counting algorithm)	1	3,000,000
	Workstation PC for Control room and Datcenter	2	1,800,000
	Datacenter Rack & Stack, Networking, Power Management and Backup System	1	2,775,000
	Enterprise application for visitor E-Ticketing and E-Parking system	1	3,000,000
	Enterprise Backup and Recovery Software Solutions	1	750,000
	Server Virtualization and IT Stack monitoring and Alerting system	1	3,000,000
	BI, Analytics AI powered dashboard for visitor footfall analysis	1	1,125,000
Information Center, E-Ticketing Infrastructure, and Park IT System			
	Networking infrastructure for Information Center	1	2,250,000
	POS Terminals with Printers and Cash Drawers (For information center)	6	5,400,000
	Flapper Gates with Automated Access Control Management System	7	12,000,000
	AI Powered people counting Cameras for Information Center	4	1,200,000
	Interactive Visitor Engagement System	2	2,250,000
	Outdoor SMDs	2	9,600,000
	LED TVs for information center	4	2,400,000
	IP Cameras for security and surveillance	70	2,100,000
	Immersive sound and PA system (For information center)	1	1,850,000
Parking / Vehicle Management System			

	IT Infrasstrcuture and Material for Parking	1	750,000
	POS terminals with Printer and Cash Drawers (For Parking)	5	4,500,000
	High speed parking barriers	5	1,505,594
	Parking booth and cabins	5	1,875,000
	AI powered vehicle counting cameras	5	1,500,000
Ecolodges and Pods			
	Networking Infrastructure and Equipment	1	1,012,500
	Access Points for wireless network connectivity	10	555,000
Website and Mobile App			
	Cross-platform mobile App for enhanced visitor interaction and service delivery	1	6,675,800
	Addition of Bansra Gali Wildlife Park content in existing website	1	300,000
Galaxy Information Center			
	POS Terminals with Printers and Cash Drawers (Galaxy Information Center)	2	1,800,000
	Flapper gates for galaxy information center	2	3,426,000
	Outdoor Smart Telescope	1	4,500,000
	Astrograph Glass lens astronomical telescope	1	8,550,000
Research Center Equipment			
	Research Center Lab and Field Equipment	LS	31,575,000
Visitor Feedback and Data Analytics System			
	AI powered cams for live visitor feedback analysis using sentiment analysis algorithm	12	4,014,000
	AI Powered software algorithm for visitor sentiment analysis	1	2,250,000
Biodiversity Monitoring System			
	Smart trail / Animal Enclosure cameras	25	6,273,000
	Thermal imaging drones	2	4,500,000
	Bioacoustic Sensors	10	7,500,000
	AI species recognition software	1	3,750,000
Environmental Monitoring System			
	Air quality sensors	8	2,676,480
	Noise level sensors	10	1,115,200

	Weather stations	3	2,927,406
	Forest Fire detection sensors	10	1,672,800
	IoT gateway devices	5	3,825,000
	Long Range Acoustic Sensors for Wood cutting and forest fire detection with networking nodes	5	1,750,000
Workstation for Reseach			
	High Performance Workstation (core i7, 64GB RAM, 2TB SSD)	15	18,000,000
Research Center Datacenter and Software			
	Research center Application Server	1	8,805,000
	Storage Server	1	5,017,500
	Backup and Retention System	1	1,500,000
	Datacenter power and cooling infrastructure	1	3,000,000
	Networking Infrastructure including firewall, core switches and wireless connectivity	1	6,600,000
	ArcGIS Pro	1	7,158,334
	Animal Information and Management System	1	1,500,000
	Total		**242,618,941**

ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	15,000,000	
	Grand.Total	**15,000,000**	**15,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	3. EARTHWORK (EXCAVATION & EMBANKMENT)					
1	3/21 1ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual				
		ii) in ordinary soil.	P.Cft	2,900.25	15.84	45,939.96
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	1,160.10	7.56	8,773.84
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	3,691.50	31.78	117,306.64
	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	251.44	355.28	89,330.72
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	304.55	128.37	39,094.92
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	156.89	480.22	75,341.12
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)				
		Foundation	P.Cft	370.31	670.00	248,109.38

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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

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	656.61	817.55	536,807.93
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	3,880.51	360.40	1,398,534.57
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	29,166.55
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	37,158.64
	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	490,053.30
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	79,150.92
	10. FLOORING					
14	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	304.55	57.87	17,624.24

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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

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	346,233.26
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	1,162,345.80
17	10/52	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.				
		(i) 3/4" thick	P.Sft	306.50	1,240.55	380,228.58
	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	40,710.61
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	193,457.00
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	70,438.41
21	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	4,847.13	3.98	19,291.56
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	4,847.13	8.65	41,927.63
		ii) two coats	P.Sft	4,847.13	11.99	58,117.03
	12. WOOD WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
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	488,627.20
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	151,429.20
24	12/22	Providing and fixing, approved quality mortice lock.	Each	14.00	1,114.50	15,603.00
25	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	14.00	178.85	2,503.90
	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	52,604.64
		ii) 2nd coat	P.Sft	1,107.00	26.69	29,545.83
	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	62,997.60

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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

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	13,059.60
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	100,581.00
	26. MISCELLANEOUS					
30	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	3,555.38	12.55	44,619.96
		Total				**6,486,714.51**
		Estimated amount for Non-Schedule & Post Detail Design				8,513,285.49
		Total				**15,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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	
	Short Wall A	10	6.00	3.00	3.00	540.00	
	Planter	2	39.00	1.50	2.00	234.00	
					Total:	**2,900.25**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	2,900.25			**1160.10**	
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	
	W.C	2	6.00	6.00	4.00	288.00	
	Deck Area	2	12.75	6.50	4.00	663.00	
					Total:	**3,691.50**	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	
	Planter	2	39.00	1.50	0.25	29.25	
					Total:	**251.44**	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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	6.00	6.00	0.33	23.76	
	Deck Area	2	12.75	6.50	0.33	54.70	
					Total:	**304.55**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	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	
	Deck Area	2	12.75	6.50	0.17	28.18	
					Total:	**156.89**	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	
	Short Wall A	10	6.00	2.50	0.50	75.00	
					Total:	**370.31**	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	
	Short Wall A	2	25.88	0.75	0.75	29.11	
	Short Wall A	10	6.00	0.75	0.75	33.75	
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	**656.61**	Cft
9	**Reinforcement**						
	RCC Footing	1	370.31	2.50	Per Cft	925.78	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Superstructural	1	656.61	4.50	Per Cft	2,954.73	
					Total	**3,880.51**	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**						
	Long Wall A	2	92.25		1.50	276.75	
	Short Wall A	2	25.88		1.50	77.63	
	Short Wall A	10	6.00		1.50	90.00	
					Total:	**444.38**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	92.25	1.50	0.50	276.75	
	Short Wall A	2	25.88	1.50	0.50	77.63	
	Short Wall A	10	6.00	1.50	0.50	90.00	
	2nd Steps						
	Long Wall A	2	92.25	1.13	0.50	207.56	
	Short Wall A	2	25.88	1.13	0.50	58.22	
	Short Wall A	10	6.00	1.13	0.50	67.50	
	3rd Steps						
	Long Wall A	2	92.25	0.75	4.50	138.38	
	Short Wall A	2	25.88	0.75	4.50	38.81	
	Short Wall A	10	6.00	0.75	4.50	45.00	
	Planter	2	39.00	0.75	2.00	117.00	
	Ent Steps						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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	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	
	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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	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	
	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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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**						
	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
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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

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 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	
	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

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Construction of Amphitheater for capacity of 50 persons (1600 Sft.)

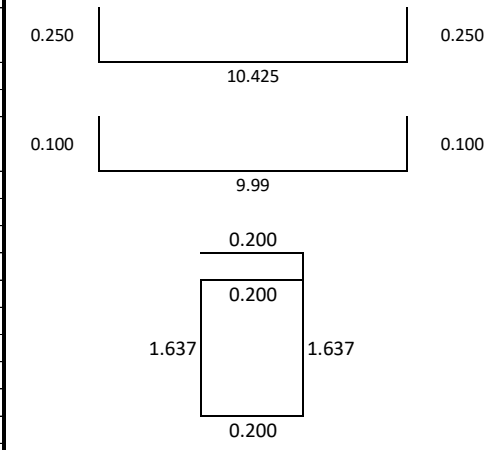
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
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**						
	Ramp Railing	2	15.00			30.00	
					Total	**30.00**	Rft
30	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	92.25	3.00		553.50	
	Short Wall A	2	25.88	3.00		155.25	
	Short Wall A	10	6.00	3.00			
	Planter	2	39.00	1.50			
	sides						
	Long Wall A	4	92.25		3.00	1,107.00	
	Short Wall A	4	25.88		3.00	310.50	
	Short Wall A	20	6.00		3.00	360.00	
	Planter	4	39.00		2.00	312.00	
	Under Floor						
	Male & Female Toilet	2	10.88	19.50		424.13	
	Male & Female Toilet	2	4.00	6.38		51.00	
	W.C	10	6.00	3.50		210.00	
	W.C	2	6.00	6.00		72.00	
					Total:	**3,555.38**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	58	58	10.93	634.586	0.888	563.51	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		10	36	358	10.19	3642.925	0.888	3234.92	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		12	2	24	3.87	92.976	0.888	82.56	
									Total (2 Set)	**3880.51**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	10,000,000	
	Grand.Total	**10,000,000**	**10,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	3. EARTHWORK (EXCAVATION & EMBANKMENT)					
1	3/21 1ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual				
		ii) in ordinary soil.	P.Cft	2,900.25	15.84	45,939.96
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	1,160.10	7.56	8,773.84
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	3,691.50	31.78	117,306.64
	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	251.44	355.28	89,330.72
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	304.55	128.37	39,094.92
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	156.89	480.22	75,341.12
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)				
		Foundation	P.Cft	370.31	670.00	248,109.38

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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

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	656.61	817.55	536,807.93
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	3,880.51	360.40	1,398,534.57
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	29,166.55
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	37,158.64
	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	490,053.30
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	79,150.92
	10. FLOORING					
14	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	304.55	57.87	17,624.24

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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

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	346,233.26
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	1,162,345.80
17	10/52	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.				
		(i) 3/4" thick	P.Sft	306.50	1,240.55	380,228.58
	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	40,710.61
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	193,457.00
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	70,438.41
21	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	4,847.13	3.98	19,291.56
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	4,847.13	8.65	41,927.63
		ii) two coats	P.Sft	4,847.13	11.99	58,117.03
	12. WOOD WORK					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
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	488,627.20
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	151,429.20
24	12/22	Providing and fixing, approved quality mortice lock.	Each	14.00	1,114.50	15,603.00
25	12/31 c	Providing and fixing door stops of 1½" (40 mm) dia rubber block.	Each	14.00	178.85	2,503.90
	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	52,604.64
		ii) 2nd coat	P.Sft	1,107.00	26.69	29,545.83
	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	62,997.60

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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

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	13,059.60
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	100,581.00
	26. MISCELLANEOUS					
30	26/45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concenterate (SC), Mixing Ability-HEXTAR with Ratio (1:250) = 540 Sft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect .as approved by the Engineer Incharge	P.Sft	3,555.38	12.55	44,619.96
		Total				**6,486,714.51**
		Estimated amount for Non-Schedule & Post Detail Design				3,513,285.49
		Total				**10,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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	
	Short Wall A	10	6.00	3.00	3.00	540.00	
	Planter	2	39.00	1.50	2.00	234.00	
					Total:	**2,900.25**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	2,900.25			**1160.10**	
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	
	W.C	2	6.00	6.00	4.00	288.00	
	Deck Area	2	12.75	6.50	4.00	663.00	
					Total:	**3,691.50**	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	
	Planter	2	39.00	1.50	0.25	29.25	
					Total:	**251.44**	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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	6.00	6.00	0.33	23.76	
	Deck Area	2	12.75	6.50	0.33	54.70	
					Total:	**304.55**	Cft
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	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	
	Deck Area	2	12.75	6.50	0.17	28.18	
					Total:	**156.89**	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	
	Short Wall A	10	6.00	2.50	0.50	75.00	
					Total:	**370.31**	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	
	Short Wall A	2	25.88	0.75	0.75	29.11	
	Short Wall A	10	6.00	0.75	0.75	33.75	
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	**656.61**	Cft
9	**Reinforcement**						
	RCC Footing	1	370.31	2.50	Per Cft	925.78	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Superstructural	1	656.61	4.50	Per Cft	2,954.73	
					Total	**3,880.51**	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**						
	Long Wall A	2	92.25		1.50	276.75	
	Short Wall A	2	25.88		1.50	77.63	
	Short Wall A	10	6.00		1.50	90.00	
					Total:	**444.38**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	92.25	1.50	0.50	276.75	
	Short Wall A	2	25.88	1.50	0.50	77.63	
	Short Wall A	10	6.00	1.50	0.50	90.00	
	2nd Steps						
	Long Wall A	2	92.25	1.13	0.50	207.56	
	Short Wall A	2	25.88	1.13	0.50	58.22	
	Short Wall A	10	6.00	1.13	0.50	67.50	
	3rd Steps						
	Long Wall A	2	92.25	0.75	4.50	138.38	
	Short Wall A	2	25.88	0.75	4.50	38.81	
	Short Wall A	10	6.00	0.75	4.50	45.00	
	Planter	2	39.00	0.75	2.00	117.00	
	Ent Steps						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	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	
	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	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	
	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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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**						
	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
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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

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 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	
	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

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Conversion of existing enclosure into Veterinary Clinic

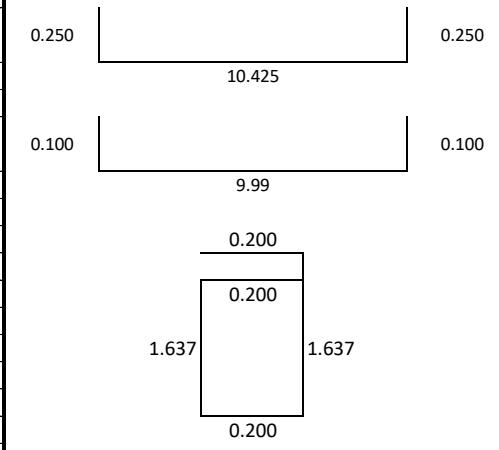
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
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**						
	Ramp Railing	2	15.00			30.00	
					Total	**30.00**	Rft
30	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	92.25	3.00		553.50	
	Short Wall A	2	25.88	3.00		155.25	
	Short Wall A	10	6.00	3.00			
	Planter	2	39.00	1.50			
	sides						
	Long Wall A	4	92.25		3.00	1,107.00	
	Short Wall A	4	25.88		3.00	310.50	
	Short Wall A	20	6.00		3.00	360.00	
	Planter	4	39.00		2.00	312.00	
	Under Floor						
	Male & Female Toilet	2	10.88	19.50		424.13	
	Male & Female Toilet	2	4.00	6.38		51.00	
	W.C	10	6.00	3.50		210.00	
	W.C	2	6.00	6.00		72.00	
					Total:	**3,555.38**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	58	58	10.93	634.586	0.888	563.51	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		10	36	358	10.19	3642.925	0.888	3234.92	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		12	2	24	3.87	92.976	0.888	82.56	
									Total (2 Set)	**3880.51**	



ROUGH COST ESTIMATE

SUMMARY OF COST

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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

Sr.No	Description	Amount (Rs).	Amount (Rs).
1	CIVIL WORK	5,000,000	
	Grand.Total	**5,000,000**	**5,000,000**

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
	3. EARTHWORK (EXCAVATION & EMBANKMENT)					
1	3/21 1ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m)lift upto 5 ft (1.5m). 1) By Manual				
		ii) in ordinary soil.	P.Cft	2,900.25	15.84	45,939.96
2	3/15 i	Filling, watering and ramming earth under floors:-i) with surplus earth from foundation, etc.	P.Cft	1,160.10	7.56	8,773.84
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	3,691.50	31.78	117,306.64
	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	251.44	355.28	89,330.72
5	6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.				
		Ground Floor	P.Cft	304.55	128.37	39,094.92
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	156.89	480.22	75,341.12
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)				
		Foundation	P.Cft	220.00	670.00	147,400.00

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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

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	320.00	817.55	261,616.00
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	3,500.00	360.40	1,261,400.00
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	29,166.55
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	37,158.64
	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	490,053.30
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	79,150.92
	10. FLOORING					
14	10/3	Supplying and filling sand under floor; or plugging in wells.	P.Cft	304.55	57.87	17,624.24

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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

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	346,233.26
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	1,250.00	458.70	573,375.00
17	10/52	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.				
		(i) 3/4" thick	P.Sft	306.50	1,240.55	380,228.58
	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	40,710.61
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	193,457.00
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	70,438.41
21	11/22	Priming coat of chalk under distemper…				
		Prime Coat	P.Sft	4,847.13	3.98	19,291.56
	11/23 a	Distempering:- a) new surface:- i) one coat	P.Sft	4,847.13	8.65	41,927.63
		ii) two coats	P.Sft	4,847.13	11.99	58,117.03
	13. PAINTING AND VARNISHING					

ROUGH COST ESTIMATE

CIVIL WORK

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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

Sr.No	Item.No	DESCRIPTION	UNIT	QUANTITY	RATE (Rs)	AMOUNT (Rs)
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	52,604.64
		ii) 2nd coat	P.Sft	1,107.00	26.69	29,545.83
		Total				**4,505,286.39**
		Estimated amount for Non-Schedule & Post Detail Design				494,713.61
		Total				**5,000,000**

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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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	
	Short Wall A	10	6.00	3.00	3.00	540.00	
	Planter	2	39.00	1.50	2.00	234.00	
					Total:	**2,900.25**	Cft
2	**Filling, watering and ramming earth under floor:-**	40%	2,900.25			**1160.10**	
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	
	W.C	2	6.00	6.00	4.00	288.00	
	Deck Area	2	12.75	6.50	4.00	663.00	
					Total:	**3,691.50**	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	
	Planter	2	39.00	1.50	0.25	29.25	
					Total:	**251.44**	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	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
6	**P.C.C 1:2:4**						
i	**Ground Floor**						
	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	
	Deck Area	2	12.75	6.50	0.17	28.18	
					Total:	**156.89**	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	
	Short Wall A	10	6.00	2.50	0.50	75.00	
					Total:	**370.31**	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	
	Short Wall A	2	25.88	0.75	0.75	29.11	
	Short Wall A	10	6.00	0.75	0.75	33.75	
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	**656.61**	Cft
9	**Reinforcement**						
	RCC Footing	1	370.31	2.50	Per Cft	925.78	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
	Superstructural	1	656.61	4.50	Per Cft	2,954.73	
					Total	**3,880.51**	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**						
	Long Wall A	2	92.25		1.50	276.75	
	Short Wall A	2	25.88		1.50	77.63	
	Short Wall A	10	6.00		1.50	90.00	
					Total:	**444.38**	Sft
12	**Brick masonry in Foundation**						
	Ist Steps						
	Long Wall A	2	92.25	1.50	0.50	276.75	
	Short Wall A	2	25.88	1.50	0.50	77.63	
	Short Wall A	10	6.00	1.50	0.50	90.00	
	2nd Steps						
	Long Wall A	2	92.25	1.13	0.50	207.56	
	Short Wall A	2	25.88	1.13	0.50	58.22	
	Short Wall A	10	6.00	1.13	0.50	67.50	
	3rd Steps						
	Long Wall A	2	92.25	0.75	4.50	138.38	
	Short Wall A	2	25.88	0.75	4.50	38.81	
	Short Wall A	10	6.00	0.75	4.50	45.00	
	Planter	2	39.00	0.75	2.00	117.00	
	Ent Steps						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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	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	
	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	

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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	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	
	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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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**						
	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
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**						

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

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 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	
	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

MEASURMENT SHEETS

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN MURREE

Quick Response Centre with Ambulance

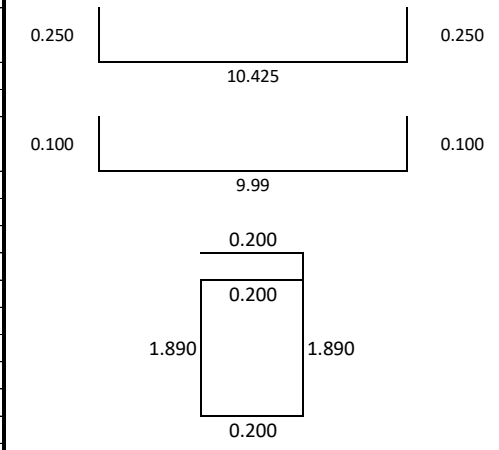
Note: All measurements are calculated for estimate only. These measurements cannot be used for payments.

Sr.No	DESCRIPTION	NO.	MEASUREMENT			Contents	
			Length	Breadth	Height		
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**						
	Ramp Railing	2	15.00			30.00	
					Total	**30.00**	Rft
30	**Termite proofing under foundations**						
	at beds						
	Long Wall A	2	92.25	3.00		553.50	
	Short Wall A	2	25.88	3.00		155.25	
	Short Wall A	10	6.00	3.00			
	Planter	2	39.00	1.50			
	sides						
	Long Wall A	4	92.25		3.00	1,107.00	
	Short Wall A	4	25.88		3.00	310.50	
	Short Wall A	20	6.00		3.00	360.00	
	Planter	4	39.00		2.00	312.00	
	Under Floor						
	Male & Female Toilet	2	10.88	19.50		424.13	
	Male & Female Toilet	2	4.00	6.38		51.00	
	W.C	10	6.00	3.50		210.00	
	W.C	2	6.00	6.00		72.00	
					Total:	**3,555.38**	**Sft**

Item Fabrication of mild steel reinforcement bar cage for RCC bored piles, including cutting, bending, laying in position, welding and fastening, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from the bars) (deformed bar) (Plinth Beams, Door Lintels & roof slab)

Ref. # Ch-6,I-9(b)

S.No	Description	Dia	Bar No.	No.	No. of Bar	Total No. of Bar	Each Length (m)	Total Length (m)	Unit Wt (Kg)/m	Total Wt. (Kg)	Binding Shape
	Raft										
	Top and Bottom Main Bar @ 175 mm c/c	12mm		1	58	58	10.93	634.586	0.888	563.51	
	Top and Bottom Distribution Bar @ 300 mm c/c	12mm		9	36	322	10.19	3278.633	0.888	2911.43	
	Long Side Long Wall Outer										
	Wall-1										
1	Main Bar @ 200 mm c/c	12mm		7	1	7	4.38	30.660	0.888	27.23	
									Total (2 Set)	**3500.00**	



Off # 042-99059302

NO.12(9) PO(COORD-II)P&D/2025
GOVERNMENT OF THE PUNJAB
PLANNING & DEVELOPMENT BOARD
Dated Lahore the 13th February, 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 **62nd PDWP meeting held on 04th February, 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 (s)	Approved Cost (Rs. in million)
04	7742 (New inducted #)	Revamping of Bansra Gali Zoological Garden, Murree.	3,915.598

(MUSA RAZA)
ASSISTANT CHIEF (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 (ENV & CC), M/o Planning, Dev. & Special Initiatives, Govt. of Pakistan, "P" Block, Pak Secretariat, Islamabad.

ASSISTANT CHIEF (COORD-II)

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GOVERNMENT OF THE PUNJAB
PLANNING & DEVELOPMENT BOARD
FW&F SECTION

MINUTES OF 62ND PDWP MEETING HELD ON 04.02.2025	
Agenda Item No. 4	Revamping of Bansra Gali Zoological Garden, Murree ADP No. 7742 (New)
Date & Time:	04.02.2025 (Tuesday) 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 "Revamping of Bansra Gali Zoological Garden, Murree" has been included in the ADP 2024-25 under GS. No. 7742 as a new scheme, to be funded through the "Murree Development Programme" as reflected in GS. No. 3391. She further added that the Forestry, Wildlife & Fisheries Department has submitted the PC-I for the project, with an estimated cost of Rs. 3,972.759 million and a gestation period of 24 months (until June 2026), for the consideration of the PDWP.

2. She further informed that by implementing this project, AD aims to enhance ecotourism by developing attractions and amenities that offer unique experiences to tourists while promoting sustainability. The project will boost the local economy by creating jobs, support captive breeding of endangered species, provide recreational facilities, and establish Bansra Gali Zoological Garden as a hub for education and biodiversity research.

3. The forum was further apprised that PC-I of the subject scheme was discussed and deliberated in detail in the Pre-PDWP meeting held on 31.01.2025 under the chairmanship of Secretary P&D Board / Member (Env. & CC.), P&D Board.

Discussion:

4. The Director General W&P informed the house about the establishment of a Project Management Unit (PMU) under the "Strengthening and Capacity Building of Wildlife Department" scheme. Operational since 30.10.2024, the 14-member expert team, led by the Project Director, developed the PC-I of the said scheme. During the preparation of PC-I, experts played crucial roles. The Senior Manager Architecture (PMU) conducted a topographic survey, finalized assets, and developed the Master Plan. The Senior Manager Projects (PMU) rationalized costs and finalized conceptual drawings. The Senior Manager Ecotourism Development (PMU) structured research center facilities and prepared biodiversity-related components. Additionally, Assistant Managers (PMU) contributed to structural design, IT infrastructure (Wi-Fi, biodiversity sensors, ticketing), and MEP drawings. Specialists in graphic design, AutoCAD, and quantity surveying assisted in visualization, architectural planning, and cost estimation.

5. While briefing the forum about the site, the Director General of Wildlife & Parks informed that the facility already exists and attracts 18,000 visitors per year. However, the site is in poor condition and requires major revamping. He further added that, under this project, the garden has been divided into three sections based on animal experiences: the carnivore's section, the ungulates section, and the bird aviary.

6. The Chair inquired about the various components proposed under civil works. In response, the Chief (Technical) P&D Board pointed out that AD has submitted the PC-I

Planning & Development Board
Government of the Punjab, Lahore.

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without vetting by any authority and without approved rate analysis for N.S items. However, the same should be done before sanctioning of T.S and be shared with Technical section. Additionally, the Chief (Technical) P&D Board noted that AD was charging 4.5% as a 'Consultancy Cost' under the civil component, exceeding the prescribed limit of 3%. The forum directed AD to reduce the cost from 4.5% to 3%, with the possibility of revision in the future if required. The Director General W&P agreed to reduce the Consultancy cost @ 3%.

7. The Senior Chief (RP), P&D Board pointed out that an education center had already been approved under another scheme titled "Revamping of Biodiversity Park, Murree" and questioned the need for establishing another education center under this scheme. In response, the Director General of Wildlife & Parks clarified that the previously approved education center is solely for educational purposes, whereas the proposed center under the current scheme is intended for research purposes and has a completely different scope.

8. The CEO (Urban Unit) inquired about the safety measures planned for the elevated bridge proposed under the scheme. In response, the Director General of Wildlife & Parks assured that all safety protocols had been considered. The proposed elevated walkway bridge will feature a 4-foot-high railing with a narrow 2.5-inch gap between the bars. Additionally, Wildlife staff will be deployed on the bridge to guide tourists and ensure security, preventing any untoward incident.

9. The CEO (Urban Unit) also inquired whether the animals proposed for procurement under the project would be able to survive in the given conditions. In response, the Director General of Wildlife & Parks stated that all new animals and birds included in the project were selected after consultation with experts. Furthermore, he assured that the proposed animals' habitat and well-being align with the climate and environmental conditions of Bansra Gali.

10. The Chief (Env. & CC.) P&D Board pointed out that AD had proposed 10 gardeners at PPS-02 while also allocating Rs. 20.00 million under "Contingencies" for bush and tree removal. In response, the Director General W&P clarified that, to facilitate the Forest Landscape Restoration (FLR) process, the removal of excessive bushes and unmanaged growth is required as one time activity prior to the construction. This process ensures a stable foundation, prevents overgrowth-related damage, and allows for proper site preparation. This process has not been previously implemented in Bansra/Murree, necessitating a one-time allocation of funds to the Forest Department to carry out the task effectively. Moreover, the position of Gardener (PPS-02) has been proposed as a permanent role to maintain the aesthetic appeal of the area and ensure the proper upkeep of vegetation. The forum inquired about the status of the existing human resources at Bansra Gali and directed the Director General W&P to rationalize the human resource requirements, considering the availability of existing staff. In response, the Director General W&P agreed to delete the 02 posts of Assistant Supervisor Wildlife.

11. After incorporation of decisions of PDWP, the cost of the project was reduced to Rs. 3,915.598 million from Rs. 3,972.759 million with the following break-up:

Sr. #	Description	Cost Presented Before PDWP	Cost After PDWP
1	Conservancy & Works	3,299.649	3,246.088
2	Machinery & Equipment	120.590	120.590

Annexure23 - Minutes of PDWP Meeting held on 04.02.2025
CHIEF OF SECTION
Planning & Development Board
Government of the Punjab, Lahore

3	Transport	77.500	77.500
4	Cost of Establishment	101.520	97.920
5	Commodities & Services	373.500	373.500
Total Cost		**3,972.759**	**3,915.598**

Decisions:

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

i. The Scheme was approved at a cost of Rs. 3,915.598 million till June, 2026 subject to fulfillment of all codal, legal / procedural formalities by the Sponsoring Department as well as Executing Agencies.

ii. AD shall submit vetted estimates and approved rate analysis of N.S items to Technical section, P&D Board before sanctioning T.S.

iii. The 02 posts of Assistant Supervisor Wildlife shall be deleted.

iv. ToRs shall be cleared from Consultancy section, P&D Board.

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

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

The meeting concluded with a vote of thanks.

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Development Board of the Punjab, Lahore

REVAMPING OF BANSRA GALI ZOOLOGICAL GARDEN, MURREE

ANNOTATED REPLY ON THE DECISIONS OF PDWP MEETING HELD ON 04.02.2025

Sr. No.	Decision	Reply
i.	The scheme was approved at a cost of Rs.3915.598m till June, 2026 subject to fulfillment of all codal, legal / procedural formalities by the sponsoring department as well as Executing Agencies.	PC-I Scheme amended accordingly.
ii.	A.D. shall submit vetted estimates and approved rate analysis of N.S. items to Technical Section, P&D Board before sanctioning T.S.	Noted for compliance
iii.	The 02 posts of Assistant Supervisor Wildlife shall be deleted.	The 02 posts of Assistant Supervisor Wildlife deleted.
iv.	TORs shall be cleared from Consultancy Section, P&D Board.	TORs cleared from Consultancy Section, P&D Board vide letter No.4(4)P.O(Cons)P&D/2024, dated 20.02.2025.
v.	All vehicles procured by the A.D. shall be properly branded as the property of FW&F Department.	Noted for compliance
vi.	A.D. to revise the PC-I accordingly and upload on SMDP Portal.	Revised scheme uploaded on SMDP Portal.