

LOCAL GOVERNMENT & COMMUNITY DEVELOPMENT DEPARTMENT



Punjab Cities Program

PC-I Form

For

**REHABILITATION OF DHAJJI PARK FOR FEMALE
IN JHANG CITY**

ESTIMATED COST: PKR 21.90 MILLION

(Based on MRS 1st Biannual 2023)

March 2023

MUNICIPAL COMMITTEE, JHANG

Punjab Cities Program
PC-I Form
Rehabilitation of Dhajji Park For Female
In Jhang City
Table of Contents

Sr. No.	Description
1	PC-I Form
2	Annexure-A Location Map
3	Annexure-B Project Cost Estimates
5	Annexure-C Project Economic Analysis, Sensitivity Analysis
6	Annexure-D Project Implementation Period (Gant Chart)
7	Annexure-E Environment Impact Assessment
8	Annexure-F Drawings

PC-I FORM
FOR
REHABILITATION OF DHAJJI PARK FOR FEMALE
IN JHANG CITY

Project Serial Number:

Sector: Social Sector
Sub Sector: Parks

1. Name of the project	Punjab Cities Program Rehabilitation of Dhajji Park for Female in Jhang City						
2. Location	<p>Jhang town is located at 31°16'10"N 72°18'58"E. Jhang is the capital city of Jhang District, in the central portion of the province of Punjab, Pakistan. Situated on the east bank of the Chenab River, it is the 18th largest city of Pakistan by population. The historical name of the city and district is Jhang Sial.</p> <p>The location of the Park is given below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr. No.</th> <th style="width: 55%;">Name of Parks</th> <th style="width: 35%;">Location</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Dhajji Road Ladies Park</td> <td>31.273781 N, 72.314655 E</td> </tr> </tbody> </table> <p>The location map of the park is attached at Annexure-A.</p>	Sr. No.	Name of Parks	Location	1	Dhajji Road Ladies Park	31.273781 N, 72.314655 E
Sr. No.	Name of Parks	Location					
1	Dhajji Road Ladies Park	31.273781 N, 72.314655 E					
3. Authorities responsible for							
i- Sponsoring	Government of the Punjab (through World Bank Funding under PCP)						
ii- Execution	Municipal Committee, Jhang						
iii- Operation and Maintenance	Municipal Committee, Jhang						
iv- Concerned Provincial Department	Local Government and Community Development Department, Govt. of the Punjab						

4a. Plan Provision												
<p>i. If the project is included in medium term/five-year plan, specify actual allocation</p>	<p>Punjab Cities Program (PCP) is a World Bank Funded Program with a total cost of 236.00 million USD and comprises of below mentioned components;</p> <table border="1" data-bbox="537 390 1393 793"> <tbody> <tr> <td data-bbox="537 390 1125 457">Total loan from World Bank</td> <td data-bbox="1125 390 1393 457">200.00 million USD</td> </tr> <tr> <td data-bbox="537 457 1125 558">Component-1 Infrastructure development (P4R)</td> <td data-bbox="1125 457 1393 558">180.00 million USD</td> </tr> <tr> <td data-bbox="537 558 1125 625">Component-2 Technical Assistance</td> <td data-bbox="1125 558 1393 625">20.00 million USD</td> </tr> <tr> <td data-bbox="537 625 1125 726">MCs share (20% of P4R component) equivalent to:</td> <td data-bbox="1125 625 1393 726">36.00 million USD</td> </tr> <tr> <td data-bbox="537 726 1125 793">Total Program cost</td> <td data-bbox="1125 726 1393 793">236.00 million USD</td> </tr> </tbody> </table> <p>This program is included in the medium term / five-year plan and has been funded now in ADP 2022-23 - under General Serial No-1769 with financial allocation of PKR 1329.90 million under PCP for Jhang city.</p>		Total loan from World Bank	200.00 million USD	Component-1 Infrastructure development (P4R)	180.00 million USD	Component-2 Technical Assistance	20.00 million USD	MCs share (20% of P4R component) equivalent to:	36.00 million USD	Total Program cost	236.00 million USD
Total loan from World Bank	200.00 million USD											
Component-1 Infrastructure development (P4R)	180.00 million USD											
Component-2 Technical Assistance	20.00 million USD											
MCs share (20% of P4R component) equivalent to:	36.00 million USD											
Total Program cost	236.00 million USD											
<p>ii- If not included in the current plan, what warrants its inclusion and how it is now proposed to be accommodated</p>	<p>Not applicable</p>											
<p>iii If the project is proposed to be financed out of block provision indicate.</p>	<p>The Project is being financed by World Bank as donor along with 20% co-financing from the Program MCs and is not proposed to be financed out of Block Allocation.</p>											
<p>4b- Provision in the current year PSDP/ADP</p>	<p>Rs.1329.90 million under ADP 2022-23 at General Serial No-1769</p>											

<p>5. Project objectives and its relationship with sector objectives</p>	<p><u>Sector Objectives</u></p> <p>The sector objectives include:</p> <ol style="list-style-type: none"> 1. Community development through improving basic infrastructure. 2. Clean and green environment for better living standards. 3. Effective use of land through master planning of urban areas. 4. Social uplifting and cohesion through rehabilitation of public open spaces and playgrounds. 5. Capacity building of Local Governments MCs in municipal service delivery. <p><u>Objectives of the Project</u></p> <p>The Project aims at rehabilitation of existing park and construction of new park with the construction/rehabilitation of facilities like Jogging tracks, Sitting spaces, Toilets, Cafeterias, etc. The Project has the following objectives;</p> <ol style="list-style-type: none"> 1. The project's main objective is to rehabilitate the existing park with the upgradation to the existing & new facilities to provide the local community a recreational space with all the allied facilities. 2. The project also aims to construct a green space equipped with all the facilities that should be provided in a thriving neighborhood. 3. To create safe neighborhoods for the people. 4. To create valuable green spaces. 5. To enhances the aesthetic beauty of the city. 6. To contribute the health and wellness of the community. 7. Ornamental plants, green areas & rain water harvesting structures. <p>Hence the objectives of the project are in line with the sector objective & project forms integral part of the concerned sector.</p>						
<p>6. Description, justification, technical parameters, and technology transfer aspects</p>							
<p>i. Present Condition</p>	<p>The city has many parks in the city and the conditions of the facilities in the parks are not up to the mark. Some of the main key features of the park like Lighting, toilets for females, cafeterias don't even exist. The name of the park is mentioned below;</p> <table border="1" data-bbox="522 1564 1414 1669"> <thead> <tr> <th data-bbox="522 1564 630 1617">Sr. No.</th> <th data-bbox="630 1564 1068 1617">Name of Parks</th> <th data-bbox="1068 1564 1414 1617">Area</th> </tr> </thead> <tbody> <tr> <td data-bbox="522 1617 630 1669">1</td> <td data-bbox="630 1617 1068 1669">Dhajji Road Ladies Park</td> <td data-bbox="1068 1617 1414 1669">0.2 Acre</td> </tr> </tbody> </table>	Sr. No.	Name of Parks	Area	1	Dhajji Road Ladies Park	0.2 Acre
Sr. No.	Name of Parks	Area					
1	Dhajji Road Ladies Park	0.2 Acre					

ii. Description of the sub-project	The project comprises Rehabilitation of Dhaji Park with the addition/replacement of damaged item/facilities. (Total area 0.2 acre).			
iii. Detail of civil works, equipment & machinery, and other physical facilities	The detail of items / works to be provided in Parks, is given below;			
	Sr. No.	Name of Park	Location	Detail of Works
	1	Dhaji Wala Ladies Park	Jhang Sadar	Construction of Walkway
				Construction of Boundary wall
				Construction of Main Gate
				Installation of Lights on with poles
				Installation of Children outdoor games
				Construction of Gazebos
				Provision of Benches
				Construction of Recharging well
			Plantation of Trees and Plants	
iv Indicate governess issues of the sector relevant to the project and strategy to resolve them	<ul style="list-style-type: none"> The smooth sailing of the Punjab Cities Program can only be assured when the required staff for maintenance is available with MC Jhang. The repair and maintenance of the parks seem to be not up to the mark in the city because of lack of the manpower. The manpower needs to be increased and for that purpose, more staff needs to be hired for the maintenance. 			
7- Capital Cost of Project	The summary of the works included in the project is given below;			
Sr. No.	Description		Cost (PKR)	
1	CIVIL WORKS		16,495,550	
2	ELECTRICAL WORKS		2,748,158	
3	WATER SUPPLY AND SEWERAGE WORKS		1,084,106	
	Sub-Total (1+2+3)		20,327,814	
	Contingencies @2%		406,556	
	PST @5%		1,016,391	
	Environmental Management & Mitigation Cost		150,000	

		Total Cost	21,900,761	
		Total Cost in Million	21.90	
See Annexure-B for details.				
i- Indicate date of estimation of the project cost	The project estimates have been framed during the month of March 2023.			
ii- Basis of determining the estimates be provided.	The cost estimates have been framed on the basis of bill of quantities derived from the drawings and unit rates from the Market Rate System (MRS) issued by the Government of Punjab (Jhang 1 st biannual). For items not available in the MRS, the same have been analyzed as per prevailing market rates on the basis of quotations attached.			
iii- Provide year wise estimation of physical activities	The physical and financial requirements, year-wise are included in the following table:			
	Sr. No.	Description	Year 2023-24	
	1	CIVIL WORKS	100 %	
	2	ELECTRICAL WORKS	100 %	
	3	WATER SUPPLY AND SEWERAGE WORKS	100 %	
	4	TAXES	100 %	
iv- Phasing of capital cost on the basis of each item of work.	The phasing of capital cost of the project is included in the following table:			
	Sr. No.	Description / Items	Total Cost (Rs)	Year 2022-23 (RS)
	1	CIVIL WORKS	16,495,550	16,495,550
	2	ELECTRICAL WORKS	2,748,158	2,748,158
	3	WATER SUPPLY AND SEWERAGE WORKS	1,084,106	1,084,106
		Total Cost	20,327,814	20,327,814
		Contingencies @2%	406,556	406,556
		PST @5%	1,016,391	1,016,391

		Environmental Management & Mitigation Cost	150,000	150,000
		Grand Total	21,900,761	21,900,761
		Cost in million Rs.	21.90	21.90
8-Annual recurrent cost after completion of the project and source of financing		The Repair & maintenance cost is already being borne by Jhang unit.		
9- Demand & Supply Analysis	A.	Existing supply level		
i- Existing Capacity of services		Presently, there are many existing parks at different locations and all of them lack in basic infrastructure of parks like toilets, cafeterias, jogging tracks and walkways etc. Therefore, their rehabilitation is inevitable to provide healthy environment to the community in Jhang city.		
ii- Projected Demand for 10 years	•	The current population of Jhang city is 540,394 and the estimated population of Jhang city in 2032 will be 658,737. Jhang city currently have many existing Parks which need to be rehabilitated. As the population of the city is increasing, more green spaces are essential for the recreation of populace.		
iii- Capacity of other similar projects being implemented in public/private sector		No other project of this nature is being implemented in the public as well as private sector because of funding constraints in the MC.		
iv- Supply and Demand gaps		Presently, there are many existing parks at different locations and all of them are lacking in basic infrastructure of parks like Park Lights, cafeterias, walkways etc.		
v-Designed capacity and output of the project		The existing park needs to be rehabilitated and upgraded with the new infrastructure and replacement of damaged-nonfunctional items. Total areas of the parks to be established is 0.20 Acre.		

<p>10. Financial Plan Sources of financing</p> <p><u>Debt</u></p> <p>a) Indicate the local and foreign debt Loan</p>	<p>Below given loan for the Punjab Cities Program has been funded by World Bank for 16 PCP cities in Punjab.</p> <table border="1" data-bbox="548 283 1360 730"> <tr> <td>Total loan to Government of Pakistan/Punjab</td> <td>200 million USD</td> </tr> <tr> <td>Component-1 for Infrastructure Development</td> <td>180 million USD</td> </tr> <tr> <td>Component-2 for Investment Project Financing For capacity building of MCs & three Govt. organization and program management.</td> <td>20 million USD</td> </tr> <tr> <td>20% share of Municipalities is equivalent to</td> <td>36 million USD</td> </tr> <tr> <td>Total funds available for Infrastructure Development</td> <td>216 million USD</td> </tr> </table> <p>This project will be funded under this financing.</p>	Total loan to Government of Pakistan/Punjab	200 million USD	Component-1 for Infrastructure Development	180 million USD	Component-2 for Investment Project Financing For capacity building of MCs & three Govt. organization and program management.	20 million USD	20% share of Municipalities is equivalent to	36 million USD	Total funds available for Infrastructure Development	216 million USD
Total loan to Government of Pakistan/Punjab	200 million USD										
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Component-2 for Investment Project Financing For capacity building of MCs & three Govt. organization and program management.	20 million USD										
20% share of Municipalities is equivalent to	36 million USD										
Total funds available for Infrastructure Development	216 million USD										
<p>b) Equity</p>	<p>A. Loan / Grant to MC</p> <p>The amount of loan converted to grant to MC Jhang will be PKR 17.52 million the financing of the project will be as given below:</p> <table border="1" data-bbox="597 940 1409 1255"> <tr> <td>Grant to Unit for the year 2023-24 (80% of Cost of PC-I)</td> <td>PKR 17. 52 million</td> </tr> <tr> <td>20% Co-finance by MC (20% of the Cost of PC-I)</td> <td>PKR 4.38 million</td> </tr> <tr> <td>Total available funds (Total Cost of PC-I)</td> <td>PKR 21.90 million</td> </tr> </table> <p>B. Project Cost: PKR 21.90 million</p> <p>*The loan is from World Bank to Government of Pakistan/Punjab, which will trickle down to MC Jhang as grant.</p>	Grant to Unit for the year 2023-24 (80% of Cost of PC-I)	PKR 17. 52 million	20% Co-finance by MC (20% of the Cost of PC-I)	PKR 4.38 million	Total available funds (Total Cost of PC-I)	PKR 21.90 million				
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20% Co-finance by MC (20% of the Cost of PC-I)	PKR 4.38 million										
Total available funds (Total Cost of PC-I)	PKR 21.90 million										
<p>c) Grants</p>	<p>No grant is being given by Government of Punjab out of ADP funds. The World Bank loan to Government of Pakistan / Punjab will trickle down as grant to MC Jhang.</p>										
<p>d) Weighted cost of capital</p>	<p>Nil</p>										
<p>11-Project benefits and analysis</p>											
<p>i. Financial (including cost-benefit ratio):</p>	<p>The cost of operation and maintenance is not intended to be recovered from the visitors. The O&M cost will be borne by MC Jhang from its other resources.</p>										

Income to the project with assumption							
ii.Social benefits to the target group	<p>Social Benefits to the target group are as under:</p> <ol style="list-style-type: none"> 1. The general look of the city will be improved. 2. Urban as well as rural population will be provided with recreation. 3. It will help in improvement of general environment of the city 4. It will go a long way in uplifting the living style of the city 						
iii.Environmental Impact negative / positive	<p>The over all impact will be positive and details have been given as Annexure-D</p>						
iv.Quantifiable project outputs	<p>The quantifiable project out puts have been given above in Sr. No-11</p>						
v.Unit cost analysis	<p>The unit cost analysis is produced below;</p> <table border="1" data-bbox="557 913 1404 1123"> <tr> <td>Project Capital Cost</td> <td>Rs 21.90 million</td> </tr> <tr> <td>Population of the city in year 2022</td> <td>540,394 persons</td> </tr> <tr> <td>Unit capital cost per capita</td> <td>Rs 40.53 PKR</td> </tr> </table> <p>Unit R&M cost: – The Repair & maintenance cost is already being borne by Jhang unit.</p>	Project Capital Cost	Rs 21.90 million	Population of the city in year 2022	540,394 persons	Unit capital cost per capita	Rs 40.53 PKR
Project Capital Cost	Rs 21.90 million						
Population of the city in year 2022	540,394 persons						
Unit capital cost per capita	Rs 40.53 PKR						
vi.Employment generation (Direct and indirect)	<p><u>Employment Analysis</u></p> <p>Direct Employment</p> <p>a) Planning and Design of Projects</p> <p>The planning and design of the project has been entrusted to local consultant who have appointed staff and experts in related disciplines along with their support staff. The consultant will also appoint their staff for resident supervision of the project under this PC-I.</p> <p>b) Execution of the Project</p> <p>a) PMDFC</p> <p>PMDFC has the project monitoring and supervisory role and the company has enough experts and staff to complete this assignment. PMDFC has already deployed under mentioned staff for these projects:</p> <ul style="list-style-type: none"> • Civil Engineers / architects • Accounts, administration and audit personnel • Urban planners 						

	<ul style="list-style-type: none"> • GIS experts • Support staff like computer operators, vehicle drivers, office boys and guards. • Procurement experts • Communication experts • Environmental and social experts • Contract management experts <p>b) Consultants PMDFC has employed (M/s MM PAKISTAN) as consultants for detailed design and resident supervision of the projects who will deploy their staff for execution of the project.</p> <p>c) Municipality Jhang MC has regular staff like engineers, sub engineers and other administrative & accounts keeping staff which will be responsible for execution of the project and contract management. No additional staff will be needed for execution of this project</p> <p>d) Contractor The contractor responsible for execution of the sub project will employ technical staff, technicians and skilled / unskilled labor on this work.</p> <p>Indirect Employment Indirect employment for production of material such as cement, steel, bricks, steel windows / doors, benches, gates will be generated.</p>
vii. Impacts of delays on project cost and viability	Delays in the project will cause the total cost of the project to go up. The sensitivity analysis the net present value of the project if the delay causes the total cost of the project to rise by 10 percent.
12-Implementation Schedule	
a) Indicate starting and completion date of the project	The project is anticipated to commence by April 2023 and to be completed by June 2023 with project implementation period of 03 months .
b) Item wise/year wise schedule in line chart	The Gant chart has been attached as Annexure-C .
13- Management Structure and manpower requirements	
i. Administrative arrangements for the	Execution of the project

<p>implementation of the project</p>	<ul style="list-style-type: none"> The project will be executed by MC Jhang and will be supervised by the Consultants appointed by PMDFC in resident supervision mode. The technical staff & experts in PMDFC will oversee, coordinate and collaborate in the project planning, design and implementation through their experts in head office located in Lahore and regional offices. The reporting of progress to LG & CDD & World bank and troubleshooting will also be responsibility of PMDFC. MO (I&S) of the MC has been designated as Project Manager /Engineer in Charge of the project. The supervision of the works will also be carried out by these municipal officers along with their support engineering staff. All supervisory staff is available with MC. The Procurement Committee of MC Jhang will do the procurement of works and goods as per PPRA Rules. 																
<p>ii- The manpower requirements by skills during execution and operation of the project and;</p> <p>The job description, qualification, experience, age and salary of each post</p>	<p>a) PMDFC experts and staff</p> <p>For rendering assistance in implementation of infrastructure projects in 16 MCs, PMDFC has the experts and staff in the required fields. In order to facilitate the Program Units, three regional offices have been established by PMDFC at Gujranwala, Faisalabad and Multan.</p> <p>b) Resident Supervision Consultants</p> <p>The project will be supervised by the consultants. The tentative staff to be employed / deployed by the consultants for the certification of quantities of works and resident supervision of the project is given below;</p> <table border="1" data-bbox="581 1178 1414 1913"> <thead> <tr> <th>Sr. No.</th> <th>Personnel</th> <th>No.</th> <th>Qualification</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Chief Resident Engineer/Team Leader</td> <td>01</td> <td>BSc;/BE in Civil engineering with minimum 20 years' professional experience or MSC; Civil Engineering / Public Health Engineering / Environmental Engineering with Bachelor in Civil Engineering and minimum 15 years, experience, with 5 years on similar assignments in both cases</td> </tr> <tr> <td>2</td> <td>Senior Engineer</td> <td>01</td> <td>BSc/BE Civil engineering with minimum 08 years' relevant design experience or MSc engineering, with 5 years on similar assignments in both cases</td> </tr> <tr> <td>3</td> <td>Resident Engineer</td> <td>01</td> <td>BSc/BE Civil engineering with minimum 10 years' experience in site</td> </tr> </tbody> </table>	Sr. No.	Personnel	No.	Qualification	1	Chief Resident Engineer/Team Leader	01	BSc;/BE in Civil engineering with minimum 20 years' professional experience or MSC; Civil Engineering / Public Health Engineering / Environmental Engineering with Bachelor in Civil Engineering and minimum 15 years, experience, with 5 years on similar assignments in both cases	2	Senior Engineer	01	BSc/BE Civil engineering with minimum 08 years' relevant design experience or MSc engineering, with 5 years on similar assignments in both cases	3	Resident Engineer	01	BSc/BE Civil engineering with minimum 10 years' experience in site
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3	Resident Engineer	01	BSc/BE Civil engineering with minimum 10 years' experience in site														

			supervision and execution for projects of similar nature.
	4	Environmental Specialist and Social/Resettlement Specialist	01 BSc Environmental Science / Social Science with minimum 10 years of experience
	5	Assistant Resident Engineer	01 Bachelor Degree in Civil engineering with minimum 8 years' experience in site supervision and execution for projects of similar nature
	6	Site Inspectors	01 DAE in Civil with minimum 10 years' experience in site supervision for projects of similar nature
	7	Quantity Surveyor	01 DAE in Civil Technology with minimum 10 years' experience in estimation & costing of projects of similar nature. The person having public sector projects will be preferred.
	8	AutoCAD Operator	01 DAE in Civil Technology with minimum 5 years' experience in preparation of drawings for projects of similar nature. (Situated at Lahore office)
	<p>c) Contractor's Technical Staff, Skilled & Un Skilled Labour</p> <p>The contractors will employ the supervisory technical staff and skilled & unskilled labor for execution of works. The works will be supervised by experienced Engineers and sub engineers and the number of slots for engineers and skilled and un-skilled will depend upon the type and quantity of work and its period of completion.</p> <p>d) Repair & Maintenance of the Project</p> <p>MC has its own regular staff which has been deployed for repair and maintenance of the municipal services infrastructure. However, it has been observed that the existing staff is not adequate to repair and maintain the services in a manner which can give good service delivery. Hence it is proposed to;</p> <ul style="list-style-type: none"> • Fill up the presently vacant slots • Recruit additional staff as per need of the infrastructure after obtaining the sanctions from the competent authorities. 		
14-Additional projects /decisions	Shortage & Frequent Transfers of Provincially /locally Appointed Staff		

required to optimize the investment being undertaken	The MC is facing shortage in provincially appointed and locally appointed cadres. This will seriously affect the pace of progress of the program and the implementation of the infrastructure projects may be delayed. Provincial Government should fill-up the vacant staff immediately for optimizing the investments and capacity building in MC.
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15-Certificate	Certified that the project proposal has been prepared on the basis of guidelines provided by the Planning Commission for the preparation of PC-I for social sectors projects.
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Prepared by	M/s MM Pakistan (Pvt) Ltd	Stamp & Signatures	
Checked by	Municipal Officer (Infrastructure) Municipal Committee Jhang	Stamp & Signatures	
	Chief Officer Municipal Committee Jhang	Stamp & Signatures	
Forwarded by	Administrator Municipal Committee Jhang	Stamp & Signatures	

DETAILED DESIGN OF INFRASTRUCTURE
REHABILITATION OF DHAJJI ROAD PARK FOR FEMALE IN JHANG CITY

GENERAL ABSTRACT OF COST

Sr. No	Item Description	Amount (Rs)
A	CIVIL WORKS	
	DHAJJI ROAD PARK	16,495,550
Sub Total of (A) Cost (Rs) - Civil Works		16,495,550
B	ELECTRICAL WORKS	
	DHAJJI ROAD PARK	2,748,158
Sub Total of (B) Cost (Rs) - Electrical Works		2,748,158
C	WATER SUPPLY AND SEWERAGE WORKS	
5	DHAJJI ROAD PARK	1,084,106
Sub Total of (C) Cost (Rs) - Water Supply and Sewerage Works		1,084,106
Total Cost (Rs) A + B + C		20,327,814
Add 2% Contingency		406,556
Add 5% PST		1,016,391
Enviornmental Management & Mittigation Cost		150,000
Total Cost in (Rs)		21,900,761
Total Cost in (Million)		21.901

DETAILED DESIGN OF INFRASTRUCTURE SUB - PROJECTS SECTOR
REHABILITATION OF DHAJJI ROAD PARK IN JHANG CITY

ABSTRACT OF COST

Sr. No	Item Description	Amount (Rs) Per Unit	No of Units	Amount (Rs)
1	<u>Dhajji Road Park</u>			
	Main Gate & Boundry Wall	4,867,617	1	4,867,617
	Path Way	388,287	1	388,287
	Supply & Installation of Plants & Benches etc.	10,824,623	1	10,824,623
	Landscap area	415,022	1	415,022
	Sub Total (1)			16,495,550

DETAILED DESIGN OF INFRASTRUCTURE SUB - PROJECTS SECTOR
REHABILITATION OF DHAJJI ROAD PARK IN JHANG CITY
ABSTRACT

MAIN ENTRANCE GATE & BOUNDARY WALL

MRS, 1st BI-ANNUAL-2023 (01.01.2023 to 30.06.2023) DISTRICT JHANG

S.No	MRS.Ref		Description	No	Measurement			Quantity	Unit	Rate	Amount in PKR
	Ch	Item			L	B	D/H				
1	3	21.b.ii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead composite rate by or upto one chain (30 m) and lift upto 5 ft. (1.5 m) 2) a) By Excavator b) Lift from 5ft (1.5m) to 15 ft (4.5 m):- ii) Ordinary soil								
			Gate Columns	3	3.00	3.00	4.00	108.00			
			Total Length of Boundary wall	1	406						
			after deduction of columns	1	185.00	2.00	3.00	1,110.00			
			Boundary wall columns	29	3.00	2.00	3.00	522.00			
Total:							1,740.00	1000.Cft	9,823.80	17093.41	
2	3	13-a	Rehandling of earthwork:								
				1	329.00		Cft		329.00		
				1	700.07		Cft		700.07		
				1	23.94		Cft		23.94		
							1,053.01				
Total:							686.99	1000.Cft	2,772.00	1904.33	
3	6	5-i	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate, Ratio 1:4:8								
			Gate Columns	3	3.00	3.00	0.50	13.50			
			Boundary wall	1	185.00	2.00	0.50	185.00			
			Boundary wall columns	29	3.00	3.00	0.50	130.50			
Total:							329.00	100 Cft	29,723.50	97790.32	
4	6	6-a.i.3	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:-								
			Gate Columns	3	0.75	0.75	10.58	17.85			
			Footing	3	2.00	2.00	1.00	12.00			
Total:							29.85	Cft	473.85	14146.20	

DETAILED DESIGN OF INFRASTRUCTURE SUB - PROJECTS SECTOR

REHABILITATION OF DHAJJI ROAD PARK IN JHANG CITY

ABSTRACT

MAIN ENTRANCE GATE & BOUNDARY WALL

MRS, 1st BI-ANNUAL-2023 (01.01.2023 to 30.06.2023) DISTRICT JHANG

S.No	MRS.Ref		Description	No	Measurement			Quantity	Unit	Rate	Amount in PKR		
	Ch	Item			L	B	D/H						
5	6	12b	Fabrication of mild steel reinforcement deformed bar cage of specified yield strength for R.C.C bored piles including cutting bending, lowering of cage with crane in position, welding and fastening, including the cost of binding wire, Crane machine (also includes removal of rust from the bars) as approved and directed by the Engineer Incharge										
			Grade-40										
			Qty as per RCC in Columns	6.75	Lb/Cft	29.85	Cft	201.51					
			Sub total						201.51	Lbs			
			Total Weight in Kg						91.00	100.Kg	31,554.50	28714.60	
6	7	7-i	Pacca brick work other than building upto 10ft. (3 m) height complete in all respects as per drawings, specifications and as directed by the Engineer in charge. Ratio 1:4										
			Gate columns	3	6.00	0.75	9.50	128.25					
			Foundation	3	6.00	1.33	1.00	23.94					
			B.wall columns	29	1.50	1.50	2.50	163.13					
			Foundation	29	1.13	1.13	6.75	247.75					
			B.wall	1	185.00	1.83	0.50	169.28					
			Foundation	1	185.00	1.50	0.50	138.75					
			Foundation	1	185.00	1.13	1.50	313.58					
Total						1,184.66	100.Cft	32,065.70	379869.87				
7	6	36	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen										
			ii) 2" thick (50 mm)	1	406.00		1.13	458.78	100.Sft	10,356.85	47,515.16		
		7 i	Pacca brick work other than building upto 10ft. (3 m) height complete in all respects as per drawings, specifications and as directed by the Engineer in charge. Ratio 1:4										
			Wall	1	406.00	0.75	6.00	1827.00					
			Wall	29	3.00	0.75	6.00	391.50					
			Wall	29	3.00	1.13	1.00	98.31					
			Total						2,316.81	100.Cft	32,065.70	742901.34	
8	11	9	Cement plaster 1:4 upto 20' (6.00 m) height, c)1:4, complete in all respects										
			B.wall	29	12.00		9.00	3,132.00	100.Sft	4,650.85	145,664.62		

DETAILED DESIGN OF INFRASTRUCTURE SUB - PROJECTS SECTOR

REHABILITATION OF DHAJJI ROAD PARK IN JHANG CITY

ABSTRACT

MAIN ENTRANCE GATE & BOUNDARY WALL

MRS, 1st BI-ANNUAL-2023 (01.01.2023 to 30.06.2023) DISTRICT JHANG

S.No	MRS.Ref		Description	No	Measurement			Quantity	Unit	Rate	Amount in PKR
	Ch	Item			L	B	D/H				
9	7	38	Providing and laying fair face Gutk a cladding laid in (1:2) cement/red posso mortar having 1/4" thick groo ve finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and v ertically at 36" and 18" c/c respecti vely i/c cutting charges as per appr oved drawing, complete in all resp ect as approved and directed by the Engineer Incharge.								
			i. 2-1/4" x 2-1/4" x 9"	2	262.00		6.00	3,144.00	.Sft	212.85	669,200.40
10	25	68	P/F iron grated Gate comprising of 2-1/2"x2- 1/2"x3/8" angle iron chowkat , 2"x2"x3/8" angle iron frame and with 3/4" square bar at 4" center to center penetrate through punch holes of 2-nos 2"x3/8" MS flat horizontal bracings i/c cost of gussesst plates of 3/8" MS sheet, hinges, MS Sliding Bolts and three coats of painting complete in all respect as approved and directed by the Engineer incharge	1							
			Main gate	1	12.08	7.66	avg height	92.53			
				1	4.08	7.04	avg height	28.72			
			Total							121.26	Sft
11	7	39	Providing and laying 4-1/2" thick fair face Special brick Cladding (9"x4-1/2"x3") laid in (1:3) cement / red posso mortar having 1/4" thick groove finish i/c the cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing, complete in all respect as approved and directed by the Engineer Incharge								
			Gate Columns	3	9.00		8.00	216.00	Sft	228.90	49442.40

DETAILED DESIGN OF INFRASTRUCTURE SUB - PROJECTS SECTOR

REHABILITATION OF DHAJJI ROAD PARK IN JHANG CITY

ABSTRACT

MAIN ENTRANCE GATE & BOUNDARY WALL

MRS, 1st BI-ANNUAL-2023 (01.01.2023 to 30.06.2023) DISTRICT JHANG

S.No	MRS.Ref		Description	No	Measurement			Quantity	Unit	Rate	Amount in PKR
	Ch	Item			L	B	D/H				
14	10	50	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, 1)steps								
							140.00				
			2)Front Design Panel	21	6.00		7.00	882.00			
			3)wall Top	1	406.00		1.25	507.50			
								1,529.50	Sft	1,508.50	2307250.75
			ii)1/2" thick					92.00	Sft	1,193.50	109,802.00
15	4	13	Dismantling Brick work in cement mortar. 1x406x0.75x6=1827cft 1x302x1.13x2=682.52 cft 1x302x1.5x0.50=226.5 cft 1x302x1.88x0.50=283.88 cft Total= 3020Cft					3,020.00	100Cft	4,712.40	142314.48
16			Deduction of old material								
			i)Bricks								
			1x3020x13.5x.0.5=20385 nos					20,385.00	1000 No	7,500.00	-152887.50
			ii)Brick ballast								
			3020x0.5=1510cft					1,510.00	100cft	5,500.00	-83050.00
Sub.Total of M.Gate & Boundary Wall										4,867,617	

DETAILED DESIGN OF INFRASTRUCTURE SUB - PROJECTS SECTOR
REHABILITATION OF DHAJJI ROAD PARK IN JHANG CITY
ABSTRACT

PATHWAY

Sr #	Chap Ref	Item No.	Description	No	Measurement			Quantity	Unit	Rate	Amount in PKR
					L	B	D/H				
MRS, 1st BI-ANNUAL-2023 (01.01.2023 to 30.06.2023) DISTRICT JHANG											
1			<i>Pathway (Area calculate by autocad)</i>	1	1325.00			1325.00	Sft	207.33	274,707
2	6	52-a-ii	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. a) Without Painting (i) 14" high	1	240.00			240.00	Rft	473.25	113,580
S.Total										388,287	
Cost in Million										0.39	

**DETAILED DESIGN IN INFRASTRUCTURE SUB PROJECTS SECTORS
PLANING AND RESIDENT SUPERVISION IN 16 CITIES OF PUNJAB
REHABILITATION OF DHAJJI ROAD PARK IN JHANG CITY
SUB PROJECT - SECTOR PARKS
COST ESTIMATE
MRS, 1st BI-ANNUAL-2023 (01.01.2023 to 30.06.2023) DISTRICT JHANG**

S.NO	MRS		ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	CHAP	ITEM					
			<u>A Supply & Installation of Plants and Trees.</u>				
			<u>Soil Preparaion</u>				
1	3	6	Regular excavation dressed and disposal of unsuitable material upto 3 km. (Rate analysis attached)	1000 Cft	5,300	11,773	62,399
2	Input	7.003	Supply & laying of good earth at site. (Rate analysis attached)	1000 Cft	5,300	16,291	86,340
			<u>Fertilizer & Pesticides.(Analysis attached)</u>				
3	N-S	N-S	sweet soil (Phal) (Area calculate 1 x 5300 x 1.25 = 6,625.00 Autocad)	Cft	6,625	67.32	445,995
4	N-S	N-S	Urea 50kg (Area calculate 1 x 5300 x 0.250 = 1,325.00 Autocad)	Sft	1,325	11.40	15,105
5	N-S	N-S	Dap 50kg (Area calculate 1 x 5300 x 0.250 = 1,325.00	Sft	1,325	18.84	24,963
6	N-S	N-S	Cow manure 2cft/bag (Area calculate 1 x 5300 x 0.020 = 106.00	Cft	106.00	15.00	1,590
7	N-S	N-S	Termiticides& Pesticides (Area calculate 1 x 5300 x 0.000 = 1.06	Liter	1.06	4,320.00	4,579
			<u>Plantation.</u>				
8	N-S	N-S	Terminalia Tree(H=7'-8')	Per No	2	2,517.23	5,034
9	N-S	N-S	Alstonia Tree(H=7'-8')	Per No	1	1,297.23	1,297
10	N-S	N-S	Gulmahar Tree(H=7'-8')	Per No	1	931.23	931
11	N-S	N-S	Jacaranda(H=7'-8')	Per No	1	1,053.23	1,053
12	N-S	N-S	Plumbago(H=4'-5')	Per No	3	687.23	2,062
13	N-S	N-S	Conocapus(H=7'-8')	Per No	29	443.23	12,854
14	N-S	N-S	Lartana(H=10")	Per No	6	321.23	1,927
15	N-S	N-S	Bird of Paradise(H=2'-3')	Per No	4	4,957.23	19,829
16	N-S	N-S	Star Jasmine(H=2'-3')	Per No	2	1,053.23	2,106
17	N-S	N-S	Jatropia(H=5'-6')	Per No	1	687.23	687
18	N-S	N-S	Kaner(H=2'-2.5')	Per No	3	565.23	1,696
19	N-S	N-S	Lagerstoemia(H=3'-4')	Per No	4	809.23	3,237
20	N-S	N-S	Ulta Ashok(H=8'-9')	Per No	16	3,127.23	50,036
21	N-S	N-S	Flowers Bed(H=10")	Per No	135	321.23	43,366
22	3	32	Turfing slopes of banks or lawns with grass sods including ploughing, laying, setting and watering (Turf got from within a distance of 5 miles (8 Km.) and maintenance for 15 days).	Per Sft	5,300	18.48	97,944
23	N-S	N-S	Flower Bed Complete in all respects.	Per No.	4	4,500.00	18,000
			<u>Benches etc.</u>				
24	MRS		Thick harow sand (MRS 06.006)	Per Cft	100	146	14,580
25	N-S	N-S	P/F MS Pergolas above the Bench as per drawing complete in all respects and directed by the Consultant Engineer.	Per No.	1	1,400,000	1,400,000
26	N-S	N-S	Wrought Iron Bench	Per Set	4	35,000	140,000
27	N-S	N-S	Gazebo (Quotation Attached+Analysis attached)	Per No.	1	7,110,006	7,110,006
28	N-S	N-S	Play Land Area (Quotation Attached+Anlysis attached)	Per No.	1	320,400	320,400
29	Based on MRS		Guard Room	Per No.	1	561,400	561,400
30	Based on MRS		Foundation of Electric poles & Sawings etc.	Per No.	1	364,707	364,707
31	N-S	N-S	Dust Bins	Per No.	7	1,500.00	10,500
Total Cost							10,824,623

PUNJAB CITIES PROGRAM (PCP)
Detail Design of Infrastructure Sub - Projects Sectoral
REHABILITATION OF PARKS IN JHANG CITY
RATE ANALYSIS FOR PLANTS

Sr.No	Description	Unit Rate per 100 No's		
		Qty	Rate per Unit	Amount (Rs)
A	Plants			
	Supply of Plants for different types including Transportation loading, unloading to the site.			
	1)Terminalia Tree(H=7'-8')	100	2000.00	200000
	2) Alstonia Tree(H=7'-8')	100	1000.00	100000
	3) Gulmahar Tree(H=7'-8')	100	700.00	70000
	4) Jacaranda(H=7'-8')	100	800.00	80000
	5)Plumbago(H=4'-5')	100	500.00	50000
	6) Conocarpus(H=7'-8')	100	300.00	30000
	7) Lartana(H=10")	100	200.00	20000
	8)Bird of Paradise(H=2'-3')	100	4000.00	400000
	9)Star Jasmine(H=2'-3')	100	800.00	80000
	10) Jatrophia(H=5'-6')	100	500.00	50000
	11)Kaner(H=2'-2.5')	100	400.00	40000
	12)Lagerstoemia(H=3'-4')	100	600.00	60000
	13)Ulta Ashok(H=8'-9')	100	2500.00	250000
	14)Flowers Bed(H=10")	100	200.00	20000
B	Labour			
	Lahour charges for handling,laying Plants as per drawing and direction by the Consultant Engineer.			
	helper(LB061)	3- Nos.	1050	3,150.00
	Mali (LB022)	3- Nos.	1060	3,180.00
			S.Total(B)	6,330.00

Composite Item Rate per No's 1				
	1)Terminalia Tree(H=7'-8')	1	2063.30	2063
	Constractor Profit & Overheads 20 %	0.2	2063	412.66
	lookafer (after the completion of work for 6month) 2 %	0.02	2063	41.27
			TOTAL(1)	2,517.23
	2) Alstonia Tree(H=7'-8')	1	1063.30	1063
	Constractor Profit & Overheads 20 %	0.2	1063	212.66
	lookafer (after the completion of work for 6month) 2 %	0.02	1063	21.27
			TOTAL(2)	1,297.23
	3) Gulmahar Tree(H=7'-8')	1	763.30	763
	Constractor Profit & Overheads 20 %	0.2	763.30	153
	lookafer (after the completion of work for 6month) 2 %	0.02	763.30	15
			TOTAL(3)	931.23
	4) Jacaranda(H=7'-8')	1	863.30	863
	Constractor Profit & Overheads 20 %	0.2	863.30	173
	lookafer (after the completion of work for 6month) 2 %	0.02	863.30	17
			TOTAL(4)	1,053.23
	5)Plumbago(H=4'-5')	1	563.30	563
	Constractor Profit & Overheads 20 %	0.2	563.30	113
	lookafer (after the completion of work for 6month) 2 %	0.02	563.30	11
			TOTAL(5)	687.23

	6) Conocapus(H=7'-8')	1	363.30	363
	Constractor Profit & Overheads 20 %	0.2	363.30	73
	lookafer (after the completion of work for 6month) 2 %	0.02	363.30	7
			TOTAL(6)	443.23
	7) Lartana(H=10")	1	263.30	263
	Constractor Profit & Overheads 20 %	0.2	263.30	53
	lookafer (after the completion of work for 6month) 2 %	0.02	263.30	5
			TOTAL(7)	321.23
	8)Bird of Paradise(H=2'-3')	1	4063.30	4063
	Constractor Profit & Overheads 20 %	0.2	4063.30	813
	lookafer (after the completion of work for 6month) 2 %	0.02	4063.30	81
			TOTAL(8)	4,957.23
	9)Star Jasmine(H=2'-3')	1	863.30	863
	Constractor Profit & Overheads 20 %	0.2	863.30	173
	lookafer (after the completion of work for 6month) 2 %	0.02	863.30	17
			TOTAL(9)	1,053.23
	10) Jatrophia(H=5'-6')	1	563.30	563
	Constractor Profit & Overheads 20 %	0.2	563.30	113
	lookafer (after the completion of work for 6month) 2 %	0.02	563.30	11
			TOTAL(10)	687.23

	11)Kaner(H=2'-2.5')	1	463.30	463
	Constractor Profit & Overheads 20 %	0.2	463.30	93
	lookafer (after the completion of work for 6month) 2 %	0.02	463.30	9
			TOTAL(11)	565.23
	12)Lagerstoemia(H=3'-4')	1	663.30	663
	Constractor Profit & Overheads 20 %	0.2	663.30	133
	lookafer (after the completion of work for 6month) 2 %	0.02	663.30	13
			TOTAL(12)	809.23
	13)Ulta Ashok(H=8'-9')	1	2563.30	2563
	Constractor Profit & Overheads 20 %	0.2	2563.30	513
	lookafer (after the completion of work for 6month) 2 %	0.02	2563.30	51
			TOTAL(13)	3,127.23
	14)Flowers Bed(H=10''')	1	263.30	263
	Constractor Profit & Overheads 20 %	0.2	263.30	53
	lookafer (after the completion of work for 6month) 2 %	0.02	263.30	5
			TOTAL(14)	321.23

	c)Contractor Profit & Overheads 20 %	0.2	950	190.00
	TOTAL(a+b+c)			1,140.00
	Composite Rate/Sft			11.40
	Unit Rate per 100Sft			
	3) Dap			
	a)Dap 50kg/bag	0.1	10400	1040
	b)Lahour charges for handling,laying			
	Mali (LB022)	0.5	1060	530.00
			TOTAL b)	530.00
	c)Constractor Profit & Overheads 20 %	0.2	1570	314.00
	TOTAL(a+b+c)			1,884.00
	Composite Rate/Sft			18.84
	Unit Rate per Cft			
	4) Cow manure			
	a)Cow manure 2cft/bag	1bag	25	13
	b)Contractor Profit & Overheads 20 %	0.2	13	2.50
	TOTAL(a+b)			15.00
	Rate/Cft			15.00
	Unit Rate per Liter			
	5) Termiticides& Pesticides			
	a)Termiticides& Pesticides (1 liter)	1Liter	3600	3600
	b)Contractor Profit & Overheads 20 %	0.2	3600	720.00
	TOTAL(a+b)			4,320.00
	Rate/Liter			4,320.00

			215.53	216	Cft	100	11,255.75	24,260.01	
				Total (A)=					1,734,005.63
8			Quotation Attached Providing, Fabrication and installation of Sheesham Wood and other work as per drawing Complete in all respects.	1	L.S		4,480,000	4,480,000	
9			Constructor Profit & Overheads 20 %	0.2			4,480,000	896,000	
				Total (B)=					5,376,000
				Total(A+B)=					7,110,005.63

REHABILITATION OF DHAJJI ROAD PARK IN JHANG CITY

Estimate for Footings(Electric Poles & Swings etc.)

MRS, 1st BI-ANNUAL-2023 (01.01.2023 to 30.06.2023) DISTRICT JHANG

Sr No	Ch.	Item	DESCRIPTION	Qty	Unit		Rate	Amount
								Rs.
1	3	21.1.ii	Excavation in foundation of building and other structures including dagbelling,dressing,filling around and other structure with excavated earth, watering and ramming lead upto one chain(30m) and lift upto 5ft.ii) In ordinary soil. Electric Poles For 30' E-Pole 1 x 5 x 5 x 4.50 112.50 For 9' E-Pole 9 x 3.5 x 3.5 x 2.50 275.63 Swings etc. 16 x 1.25 x 1.25 x 1.50 37.50 425.63	426	Cft	1000	11,658.25	4,962
2	3	18	Dressing and levelling of Earthwork to design section etc in ordinary soil or a) By Manual ii) in ordinary or hard soil. Electric Poles For 30' E-Pole 1 x 5 x 5 x 4.50 112.50 For 9' E-Pole 9 x 3.5 x 3.5 x 2.50 275.63 Swings etc. 16 x 1.25 x 1.25 x 1.50 37.50 425.63	426	Cft	1000	693	295
3	3	13b	Re- handling of ordinary earth upto a lead of 50 ft radius within th project Electric Poles For 30' E-Pole 1 x 5 x 5 x 4.50 112.50 For 9' E-Pole 9 x 3.5 x 3.5 x 2.50 275.63 Swings etc. 16 x 1.25 x 1.25 x 1.50 37.50 425.63	426	Cft	1000	3,880.80	1,652
4	6	5	Cement concrete plain including placing,compacting, finishing and curing (i) Ratio 1:4:8) Electric Poles For 30' E-Pole 1 x 5 x 5 x 0.50 12.50 For 9' E-Pole 9 x 3.5 x 3.5 x 0.50 55.13 Swings etc. 16 x 1.25 x 1.25 x 0.25 6.25 73.88	74	Cft	100	29,723.50	21,958
5	6	6-a.i.3	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:- Electric Poles For 30' E-Pole 1 x 4 x 4 x 4.00 64.00 1 x 4 x 2.75 x 1.50 16.50 For 9' E-Pole 9 x 2.5 x 2.5 x 2.00 112.50 9 x 2.5 x 2.5 x 1.00 56.25 Swings etc. 16 x 1.25 x 1.25 x 1.25 31.25 280.50	281	Cft	1	473.85	132,915
6	6	12b	Fabrication of mild steel reinforcement deformed bar cage of specified yield strength for R.C.C bored piles including cutting bending, lowering of cage with crane in position, welding and fastening, including the cost of binding wire, Crane machine (also includes removal of rust from the bars) as approved and directed by the Engineer Incharge Grade-40 Electric Poles For 30' E-Pole 1 x 4 x 4 x 4.00 64.00					

			1	x	4	x	2.75	x	1.50	16.50						
			For 9' E-Pole		9	x	2.5	x	2.5	112.50						
					9	x	2.5	x	2.5	56.25						
			Swings etc.													
					16	x	1.25	x	1.25	31.25						
										280.50						
			Qty as per RCC in Footing		4.75	Lb/Cft	280.50	Cft	1,332.38	Lbs						
										604.00	604	Kg	100	31,554.50	190,589	
7	24	52	Supply and erection of anchor rod Henley type for pole, including necessary clamps and 7/12" stay wire, straining screws, etc., erected in cement concrete 1:2:4 and collar of cement concrete.													
			Electric Poles													
			For 30' E-Pole		4	x	3			12.00						
			For 9' E-Pole		36	x	2.5			90.00						
			(9x4=36no's)							102.00	102	Rft	1	43.50	4,437	
8	1	1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.													
			Lead upto		310.00		from Sakhi									
			Pcc 1.4.8 :as per item No.5				73.88	x	0.95	70.18						
										70.18	70	Cft	100	11,255.75	7,899.43	
														Total =	364,707.43	
			Quotation Attached (Play land Area)													
9			Monkey Bar Pipe 3inch 14guage and inner bar1-1/4 inch 14guage as per drawing,Complete in all respects.								1	NO		62,000	62,000	
			Double Slide Frame basic pipe 2inch 14guage Slide material Fiber as per drawing,Complete in all respects.								1	NO		135,000	135,000	
			Three seater swings Pipe 3-1/2inch 14guage 6mm chain and seat in metal as per drawing,Complete in all respects.								1	NO		70,000	70,000	
10			Constructor Profit & Overheads		20	%					0.2			267,000	53,400	
														Total=	320,400	

**DETAILED DESIGN OF INFRASTRUCTURE SUB - PROJECTS SECTOR
REHABILITATION DHAJJI ROAD PARK IN JHANG CITY
RATE ANALYSIS**

Providing and laying Pea Gravel


100.00 Cft

Description	Unit Rate per 100 Cft		
	Qty	Unit Rate	Amount (Rs)
Material			
Pea Gravel MRS 23.439 = Rs. 6200/100Cft	100	62.00	6,200.00
Total			6,200.00
Labour			
Coolies un-skilled	3 Cooly	1050	3,150.00
Total			3,150.00
Total labour + material			9,350.00
20% Contractor's O.H. & Profit	Rs.	0.20	1,870.00
Total for 100 Cft			11,220.00
Composite rate per 100 Cft	Rs.	112.20	112.20

Providing and laying Harro Sand

100.00 Cft

Description	Unit Rate per 100 Cft		
	Qty	Unit Rate	Amount (Rs)
Material			
Thick harow sand (MRS 06.006) = Rs. 9000/100Cft	100	90.00	9,000.00
Total			9,000.00
Labour			
Coolies un-skilled	3 Cooly	1050	3,150.00
Total			3,150.00
Total labour + material			12,150.00
20% Contractor's O.H. & Profit	Rs.	0.20	2,430.00
Total for 100 Cft			14,580.00
Composite rate per 100 Cft	Rs.	145.80	145.80

		District: JHANG					
City	JHANG						 MM Pakistan (Pvt) Ltd.
Quarry	Sikhanwali		Rate Analysis for Bajri				
Lead	310	Km					
Sr.No	Mrs.		Description of Item	Unit	Rate	Amount	Remarks
	Chap	Item					
1	1	1	A) Extra for Carriage Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.				
			1st Km	100 Cft	305.40	305.40	
			2nd Km	100 Cft	145.65	145.65	
			3rd Km	100 Cft	114.10	114.10	
			4th Km	100 Cft	81.20	81.20	
			5th Km	100 Cft	75.60	75.60	
			6th Km	100 Cft	74.60	74.60	
			7th Km	100 Cft	69.60	69.60	
			8th Km	100 Cft	68.85	68.85	
			9th Km	100 Cft	64.75	64.75	
			10th Km	100 Cft	60.75	60.75	
			11th Km to 200 Km : 200 - 10 = 190 x 52.20	100 Cft	9,918.00	9,918.00	
			201 Km to 250 Km : 250 - 201 = 49 x 3.25	100 Cft	159.25	159.25	
			251 Km to 310 Km : 310 - 251 = 59 x 2.00	100 Cft	118.00	118.00	
			Sub - Total (A)			11,255.75	
			B) Extra Carriage for 22 Cft Material				
			= 11,255.75 x 0.22	100 Cft	2,476.27	2,476.27	
			Sub - Total (B)			2,476.27	
			Total (A+B)			13,732.02	
			For 100 Cft			13,732.02	
			For Per Cum			4,849.42	
							3) The quantity of crushed stone aggregate for payment of carriage shall be taken as per actual loose volume but not more than 122 Cft.

DETAILED DESIGN OF INFRASTRUCTURE SUB - PROJECTS SECTOR							
PLANNING & RESIDENT SUPERVISOR IN 16 CITIES OF PUNJAB							
REHABILITATION OF DAJJI PARK IN JHANG CITY							
RATE ANALYSIS							
MRS, 1st BI-ANNUAL-2023 (01.01.2023 to 30.06.2023) DISTRICT JHANG							
City :		JHANG			Lead :	3	
S.NO	MRS		ITEM DESCRIPTION	UNIT	RATE	AMOUNT	
	CHAP.	SR.NO					
1	3	6	A) <u>REGULAR EXCAVATION DRESSED.</u>	1000	Cft	5,726.70	
			Regular excation dressed.				5726.7
SUB - TOTAL (A)							
5,726.70							
2	3	17	B) <u>DISPOSAL UPTO 3 KM</u>	1000	Cft	4,472.30	
			Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m)				4,472.30
a) upto ¼ mile (400 m).							
b) for every 330 ft. (100 m) additional lead or part thereof,beyond ¼ mile (400 m) upto one mile. (1.6 Km.)							
$1600-400 = 1200 \div 100 = 12 \quad 36.85 = 442.2$							
c) for every ¼ mile (400 m) additional lead or part thereof,beyond one mile (1.6 Km.) upto 5 mile (3 Km).							
$3000-1600 = 1400 \div 400 = 3.50 \quad 323.5 = 1,132.25$							
1,574.45							
SUB - TOTAL (B)							
6,046.75							
TOTAL (A+B)							
11,773.45							
COMPOSITE RATE FOR 1000 CFT							
11,773.45							
COMPOSITE RATE PER CUM							
415.78							

District :		JHANG		UNIT = 1 Cft			
City :		JHANG		Lead :	5.00		mile
S.NO	MRS		ITEM DESCRIPTION	UNIT	RATE	AMOUNT	REMARKS
	CHAP.	SR.NO					
1	Input	7.003	A) SUPPLY OF GOOD EARTH Supply of good earth (MRS = 620 per 100 cft)(Input 07.003) SUB - TOTAL (A)	1000 Cft	6.2	6,200.00 6,200.00	
2	3	17	C) LEAD 5 mile Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) a) upto ¼ mile (400 m). b) for every 330 ft. (100 m) additional lead or part thereof,beyond ¼ 1600- = 1200 ÷ 100 = 12 36.85 = 442.2 c) for every ¼ mile (400 m) additional lead or part thereof,beyond one 8000- = 6400 ÷ 400 = 16.00 323.5 = 5,176.00 5,618.20 SUB - TOTAL (B) TOTAL (A+B+C) COMPOSITE RATE FOR 1000 CFT COMPOSITE RATE PER CFT	1000 Cft	4,472.30	4,472.30 5,618.20 10,090.50 16,290.50 16,290.50 16.29	