

LOCAL GOVERNMENT & COMMUNITY DEVELOPMENT DEPARTMENT



Punjab Cities Program

PC-I Form

For

**REHABILITATION 5 Nos GREEN BELTS
IN JHANG CITY**

**ESTIMATED COST: PKR 18.138 MILLION
(Based on MRS 1st Biannual 2023)**

March 2023

MUNICIPAL COMMITTEE, JHANG

Punjab Cities Program
PC-I Form
Rehabilitation of 05 Existing Green Belts in Jhang City
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PC-I FORM
FOR
REHABILITATION 5 Nos GREEN BELTS IN JHANG CITY, DISTRICT JHANG

Project Serial Number:

Sector: Social Sector
Sub Sector: Parks

1. Name of the project	Punjab Cities Program Rehabilitation 5 Existing Green Belts 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 green belts included in the PC-I is given below:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Location of Green Belt</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sargodha Road</td> </tr> <tr> <td>2</td> <td>Bhakkar Road</td> </tr> <tr> <td>3</td> <td>Toba Road</td> </tr> <tr> <td>4</td> <td>Rail Bazar to Mc Office Road</td> </tr> <tr> <td>5</td> <td>Ayoub Chowk to Kachehry Road</td> </tr> </tbody> </table> <p>The location map of Jhang city is attached at Annexure-A.</p>		Sr. No.	Location of Green Belt	1	Sargodha Road	2	Bhakkar Road	3	Toba Road	4	Rail Bazar to Mc Office Road	5	Ayoub Chowk to Kachehry Road
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4	Rail Bazar to Mc Office Road													
5	Ayoub Chowk to Kachehry Road													
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														
i. If the project is included in medium term/five-year plan,	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;													
	Total loan from World Bank	200.00 million USD												

specify actual allocation	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
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.		
ii- If not included in the current plan, what warrants its inclusion and how it is now proposed to be accommodated	Not applicable	
iii If the project is proposed to be financed out of block provision indicate.	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.	
4b- Provision in the current year PSDP/ADP	Rs.1329.90 million under ADP 2022-23.	
5. Project objectives and its relationship with sector objectives	<p>Sector Objectives</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. <p>Capacity building of Local Governments MCs in municipal service delivery.</p>	

	<p><u>Objectives of the Project</u></p> <p>The Project aims at rehabilitation of green spaces with the rehabilitation of beauty features like ornamental trees, flower beds, planters 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 green belts with the upgradation to the existing & new plantation to provide the local community a pleasant environment with all the allied beauty features. 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 peoples. 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. <p>Hence the objectives of the project are in line with the sector objective & project forms integral part of the concerned sector.</p>
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6. Description, justification, technical parameters, and technology transfer aspects

i. Present Condition	<p>The city has 5 existing roads with green belts and they are in very poor condition. Some of the green belts are damaged and missing kerbstone or are not painted. The names of the Roads with green belts are mentioned below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Sr. No.</th> <th style="width: 60%;">Name</th> <th style="width: 25%;">Length</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Sargodha Road</td> <td style="text-align: center;">4,740 Rft</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Bhakkar Road</td> <td style="text-align: center;">11,357 Rft</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Toba Road</td> <td style="text-align: center;">3,761 Rft</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Rail Bazar to Mc Office Road</td> <td style="text-align: center;">1,141 Rft</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Ayoub Chowk to Kuchery Road</td> <td style="text-align: center;">1,124 Rft</td> </tr> </tbody> </table>	Sr. No.	Name	Length	1	Sargodha Road	4,740 Rft	2	Bhakkar Road	11,357 Rft	3	Toba Road	3,761 Rft	4	Rail Bazar to Mc Office Road	1,141 Rft	5	Ayoub Chowk to Kuchery Road	1,124 Rft
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ii. Description of the sub-project	<p>The project comprises of rehabilitation of 5 existing green belts with the addition/replacement of damaged item/facilities in a total Length 22,123 Rft. The items of works required to rehabilitate and improve these green belts are given in the next section.</p>
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<p>iii. Detail of civil works, equipment & machinery, and other physical facilities</p>	<p>The detail of items / works to be provided in green belts, is given below;</p> <ol style="list-style-type: none"> 1-Construction of Planters 2-Rehabilitation of kerb stones 3-Providing sweet Soil 4-Construction of flowerbeds 5-Painting of existing kerb stones 6-Plantation of various plants suiting the location and environments of the city 7-Plantation of ornamental trees 8-Plantation of new flowers 																																				
<p>iv Indicate governess issues of the sector relevant to the project and strategy to resolve them</p>	<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 green belts 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. 																																				
<p>7- Capital Cost of Project</p>	<p>The summary of the works included in the project is given below;</p> <table border="1" data-bbox="573 1066 1393 1625"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Cost (PKR)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sargodha Road</td> <td>2,531,353</td> </tr> <tr> <td>2</td> <td>Bhakkar Road</td> <td>9,270,713</td> </tr> <tr> <td>3</td> <td>Toba Road</td> <td>3,032,217</td> </tr> <tr> <td>4</td> <td>Rail Bazar to MC Office Road</td> <td>808,787</td> </tr> <tr> <td>5</td> <td>Ayube Chowk to kuchery Road</td> <td>795,476</td> </tr> <tr> <td></td> <td style="text-align: right;">Sub-Total (1+2+3+4+5)</td> <td>16,438,546</td> </tr> <tr> <td></td> <td style="text-align: right;">Contingencies @2%</td> <td>328,771</td> </tr> <tr> <td></td> <td style="text-align: right;">PST @5%</td> <td>821,927</td> </tr> <tr> <td></td> <td style="text-align: right;">Environmental & Social Mitigation cost</td> <td>549,000</td> </tr> <tr> <td></td> <td style="text-align: right;">Total Cost</td> <td>18,138,244</td> </tr> <tr> <td></td> <td style="text-align: right;">Total Cost in million</td> <td>18.138</td> </tr> </tbody> </table> <p>See Annexure-B for details.</p>	Sr. No.	Description	Cost (PKR)	1	Sargodha Road	2,531,353	2	Bhakkar Road	9,270,713	3	Toba Road	3,032,217	4	Rail Bazar to MC Office Road	808,787	5	Ayube Chowk to kuchery Road	795,476		Sub-Total (1+2+3+4+5)	16,438,546		Contingencies @2%	328,771		PST @5%	821,927		Environmental & Social Mitigation cost	549,000		Total Cost	18,138,244		Total Cost in million	18.138
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<p>i- Indicate date of estimation of the project cost</p>	<p>The project estimates have been framed during the month of March 2023.</p>																																				
<p>ii- Basis of determining the estimates be provided.</p>	<p>The cost estimates have been framed on the basis of bill of quantities derived from actual measurement of green belts at site</p>																																				

	<p>and unit rates from the Market Rate System (MRS) issued by the Government of Punjab (Jhang 1st biannual).</p> <p>For items not available in the MRS, the same have been analyzed as per prevailing market rates on the basis of quotations attached.</p>																																								
iii- Provide year wise estimation of physical activities	<p>The physical and financial requirements, year-wise are included in the following table:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Year 2023-24</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sargodha Road</td> <td>100 %</td> </tr> <tr> <td>2</td> <td>Bhakkar Road</td> <td>100 %</td> </tr> <tr> <td>3</td> <td>Toba Road</td> <td>100 %</td> </tr> <tr> <td>4</td> <td>Rail Bazar to MC Office Road</td> <td>100 %</td> </tr> <tr> <td>5</td> <td>Ayube Chowk to kachery Road</td> <td>100 %</td> </tr> <tr> <td>6</td> <td>Taxes</td> <td>100 %</td> </tr> </tbody> </table>	Sr. No.	Description	Year 2023-24	1	Sargodha Road	100 %	2	Bhakkar Road	100 %	3	Toba Road	100 %	4	Rail Bazar to MC Office Road	100 %	5	Ayube Chowk to kachery Road	100 %	6	Taxes	100 %																			
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iv- Phasing of capital cost on the basis of each item of work.	<p>The phasing of capital cost of the project is included in the following table:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description / Items</th> <th>Year 2022-23</th> <th>Year 2022-23</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sargodha Road</td> <td>2,531,353</td> <td>2,531,353</td> </tr> <tr> <td>2</td> <td>Bhakkar Road</td> <td>9,270,713</td> <td>9,270,713</td> </tr> <tr> <td>3</td> <td>Toba Road</td> <td>3,032,217</td> <td>3,032,217</td> </tr> <tr> <td>4</td> <td>Rail Bazar to MC Office Road</td> <td>808,787</td> <td>808,787</td> </tr> <tr> <td>5</td> <td>Ayube Chowk to kachery Road</td> <td>795,476</td> <td>795,476</td> </tr> <tr> <td></td> <td>Total Cost</td> <td>16,438,546</td> <td>16,438,546</td> </tr> <tr> <td></td> <td>Contingencies, PST, E&SM cost</td> <td>1,699,698</td> <td>1,699,698</td> </tr> <tr> <td></td> <td>Grand Total</td> <td>18,138,244</td> <td>18,138,244</td> </tr> <tr> <td></td> <td>Grand Total in million</td> <td>18.138</td> <td>18.138</td> </tr> </tbody> </table>	Sr. No.	Description / Items	Year 2022-23	Year 2022-23	1	Sargodha Road	2,531,353	2,531,353	2	Bhakkar Road	9,270,713	9,270,713	3	Toba Road	3,032,217	3,032,217	4	Rail Bazar to MC Office Road	808,787	808,787	5	Ayube Chowk to kachery Road	795,476	795,476		Total Cost	16,438,546	16,438,546		Contingencies, PST, E&SM cost	1,699,698	1,699,698		Grand Total	18,138,244	18,138,244		Grand Total in million	18.138	18.138
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8-Annual recurrent cost after completion of the project and source of financing	<p>The Repair & maintenance cost is already being borne by Jhang unit.</p>																																								
9- Demand & Supply Analysis	<p>Existing supply level</p>																																								

i- Existing Capacity of services	<p>Presently, there are 5 existing green belts at different locations and all of them lack in basic infrastructure of green belts like planters, kerb stones, flower beds trees. Some of them have no kerb stones. These green belts are presenting very shabby and unpleasant view the by passers.</p> <p>Therefore, rehabilitation of existing green belts is required to provide healthy environment to the community in Jhang city.</p>										
ii- Projected Demand for 10 years	<p>The current population of Jhang city is over 540,000 persons. Jhang. For presenting better look to the community these green belts will be rehabilitated.</p>										
iii- Capacity of other similar projects being implemented in public/private sector	<p>No other project of this nature is being implemented in the public as well as private sector because of funding constraints in the MC.</p>										
iv- Supply and Demand gaps	<p>Presently, there are 5 existing green belts at different locations and all of them lack in basic elements like plants, kerb stone, flowerbeds and ornamental and other trees. So there is a gap between the supply and demand.</p>										
v-Designed capacity and output of the project	<p>The existing green belts will be rehabilitated and upgraded with the new infrastructure and replacement of damaged items. Kerb stones will be provided where non-existent. New plants, trees and flowers will be planted by replacing the soil where required.</p>										
<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="589 1262 1401 1707"> <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 as per share of MC Jhang already released and to be released.</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
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	<p>A. Loan / Grant to MC</p> <p>The amount of loan converted to grant to MC Jhang will be</p>										

b) Equity	<p>PKR 14.51 million the financing of the project will be as given below:</p> <table border="1" data-bbox="621 268 1357 506"> <tr> <td data-bbox="621 268 1052 331">Grant to Municipal Committee</td> <td data-bbox="1052 268 1357 331">PKR 14.51 million</td> </tr> <tr> <td data-bbox="621 331 1052 401">20% Co-finance by MC</td> <td data-bbox="1052 331 1357 401">PKR 3.628 million</td> </tr> <tr> <td data-bbox="621 401 1052 506">Total available funds (Total Cost of PC-I)</td> <td data-bbox="1052 401 1357 506">PKR 18.138 million</td> </tr> </table> <p>B. Project Cost: PKR 18.138 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 Municipal Committee	PKR 14.51 million	20% Co-finance by MC	PKR 3.628 million	Total available funds (Total Cost of PC-I)	PKR 18.138 million
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c) Grants	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.						
d) Weighted cost of capital	Nil						

11-Project benefits and analysis	
i. Financial (including cost-benefit ratio): Income to the project with assumption	There will no income to the MC Jhang as no tariff can be levied on these green belts. MC will maintain these green belts out of its own resources
ii. Social benefits to the target group	<p>Social benefits to be accrued from the rehabilitation of these green belts are given below:</p> <ol style="list-style-type: none"> i. The green space equipped with all the facilities will provide a better look creating a thriving neighborhood. ii. It will enhance the aesthetic beauty of the city. iii. It will contribute the health and wellness of the community. iv. The environments of the city will be improved. v. Health environments in the city will create health mindset of the residents of the city. vi. Green spaces will be increased in the city
vii. Environmental Impact negative / positive	Details are given in Annexure-D
viii. Quantifiable project outputs	<p>The quantifiable project outputs have been given above in Sr. No-9 (V).</p> <p>The social benefits to the citizen have been described at Sr. No-11 (ii).</p>

ix. Unit cost analysis	<p>The unit cost analysis is produced below;</p> <table border="1" data-bbox="581 317 1409 520"> <tr> <td>Project Capital Cost</td> <td>Rs 18.138 million</td> </tr> <tr> <td>Population of the city in year 2022</td> <td>540,000 persons</td> </tr> <tr> <td>Unit capital cost per capita</td> <td>Rs 33.59</td> </tr> </table> <p>Unit R&M cost: – The Repair & maintenance cost is already being borne by Jhang unit.</p>	Project Capital Cost	Rs 18.138 million	Population of the city in year 2022	540,000 persons	Unit capital cost per capita	Rs 33.59
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x. Employment generation (Direct and indirect)	<p><u>Employment Analysis</u></p> <p>Direct Employment</p> <p>a) <i>Planning and Design of Projects</i> 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) <i>Execution of the Project</i></p> <p>a) <i>PMDFC</i> 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 • 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) <i>Consultants</i> 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) <i>Municipality</i> 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>
xi. Impacts of delays on project cost and viability	Delays in the project will cause the total cost of the project to go up.
12-Implementation Schedule	
a) Indicate starting and completion date of the project	The project is anticipated to commence by May 2023 and to be completed by October 2023 with project implementation period of 06 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 implementation of the project	<p>Execution 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.
ii- The manpower requirements by skills during execution and	<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</p>

<p>operation of the project and;</p> <p>The job description, qualification, experience, age and salary of each post</p>	<p>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="574 478 1411 1898"> <thead> <tr> <th data-bbox="574 478 634 583">Sr. No.</th> <th data-bbox="634 478 873 583">Personnel</th> <th data-bbox="873 478 935 583">No.</th> <th data-bbox="935 478 1411 583">Qualification</th> </tr> </thead> <tbody> <tr> <td data-bbox="574 583 634 926">1</td> <td data-bbox="634 583 873 926">Chief Resident Engineer/Team Leader</td> <td data-bbox="873 583 935 926">01</td> <td data-bbox="935 583 1411 926">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 data-bbox="574 926 634 1136">2</td> <td data-bbox="634 926 873 1136">Senior Engineer</td> <td data-bbox="873 926 935 1136">01</td> <td data-bbox="935 926 1411 1136">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 data-bbox="574 1136 634 1297">3</td> <td data-bbox="634 1136 873 1297">Resident Engineer</td> <td data-bbox="873 1136 935 1297">01</td> <td data-bbox="935 1136 1411 1297">BSc/BE Civil engineering with minimum 10 years' experience in site supervision and execution for projects of similar nature.</td> </tr> <tr> <td data-bbox="574 1297 634 1459">4</td> <td data-bbox="634 1297 873 1459">Environmental Specialist and Social/Resettlement Specialist</td> <td data-bbox="873 1297 935 1459">01</td> <td data-bbox="935 1297 1411 1459">BSc Environmental Science / Social Science with minimum 10 years of experience</td> </tr> <tr> <td data-bbox="574 1459 634 1621">5</td> <td data-bbox="634 1459 873 1621">Assistant Resident Engineer</td> <td data-bbox="873 1459 935 1621">01</td> <td data-bbox="935 1459 1411 1621">Bachelor Degree in Civil engineering with minimum 8 years' experience in site supervision and execution for projects of similar nature</td> </tr> <tr> <td data-bbox="574 1621 634 1740">6</td> <td data-bbox="634 1621 873 1740">Site Inspectors</td> <td data-bbox="873 1621 935 1740">01</td> <td data-bbox="935 1621 1411 1740">DAE in Civil with minimum 10 years' experience in site supervision for projects of similar nature</td> </tr> <tr> <td data-bbox="574 1740 634 1898">7</td> <td data-bbox="634 1740 873 1898">Quantity Surveyor</td> <td data-bbox="873 1740 935 1898">01</td> <td data-bbox="935 1740 1411 1898">DAE in Civil Technology with minimum 10 years' experience in estimation & costing of projects of similar nature. The person having</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 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
Sr. No.	Personnel	No.	Qualification																														
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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)
14-Additional projects /decisions required to optimize the investment being undertaken	<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. <p>Shortage & Frequent Transfers of Provincially Appointed Staff</p> <p>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.</p>		

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	

GREEN BELT OF JHANG ROADS

GENERAL ABSTRACT OF COST

MRS, 1st BI-ANNUAL - 2023 (01-01-2023 to 30-06-2023) DISTRICT JHANG

Sr. No	Item Description	Amount (Rs)
A	GREEN BELT	
1	Sargoda Road	2,531,353
2	Bhakkar Road	9,270,713
3	Toba Road	3,032,217
4	Rail Bazar to MC Office Road	808,787
5	Ayub Chowk to kachery Road	795,476
	Total Cost (Rs)	16,438,546
	Add 2% Contingency	328,771
	Add 5% PST	821,927
	Enviornmental Management & Mittigation Cost	549,000
	Total Cost in (Rs)	18,138,244
	Total Cost in (Million)	18.138

JHANG CITY

MRS, 1st BI-ANNUAL - 2023 (01-01-2023 to 30-06-2023) DISTRICT JHANG

S.No	MRS.Ref		Description	Quantity	Unit	Rate	Amount in PKR
	Ch	Item					
			<u>Supply & Installation of Plants and Trees.</u>				
			1-Sargoda Road				
			<u>Soil Preparaion</u>				
1	Input	7.003	Supply & laying of good earth at site. (Rate analysis attached)	1,500.00	Cft	16.29	24,435.75
2	6	52-b-i	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. b) With Painting (i) 14" high	100.00	Rft	535.05	53,505.00
3	13	4c	Painting Old Surfaces: (c)Painting ,any type(Kerb stone) i)first coat(Single Coat) ii)each subsequent coat	6,870.00	100Sft	1,090.90	74,944.83
				6,870.00	100Sft	828.45	56,914.52
4	4	49b	Scraping:- b)paint of wall	6,870.00	100Sft	831.60	57,130.92
			Fertilizer				
5	N-S	N-S	sweet soil (Phal)	500.00	Cft	67.32	33,660.00
6	N-S	N-S	Urea 50kg/bag	8,938.00	Sft	11.40	101,893.20
7	N-S	N-S	Dap 50kg/bag	8,938.00	Sft	18.84	168,391.92
8	N-S	N-S	Cow manure 2cft/bag	100.00	Cft	15.00	1,500.00
9	N-S	N-S	Termiticides& Pesticides (1 liter)	0.25	Ltr	4,320.00	1,080.00
10	Ch-3 Item-32		Turfing slopes of Green belt with fine dhaka grass sods including ploughing, laying, setting and watering (Turf got from within a distance of 5 miles (8 Km.) and maintenance for 15 days).	8,938.00	100 Sft	1,848.00	165,174.24
11	Non MRS		Copernicia Plant (H=7'-8') Analysis attached	100.00	Each	13,497.23	1,349,722.60
12	Non MRS		Fincus Plam(H=3'-4')Analysis attached	70.00	Each	687.23	48,105.82
13	Non MRS		Ficus Panda(H=2'-6")Analysis attached	160.00	Each	321.23	51,396.16
14	Non MRS		Patonia(H=10") Analysis attached	440.00	Each	321.23	141,339.44
15	Non MRS		Portulaca(H=10") Analysis attached	440.00	Each	260.23	114,499.44

JHANG CITY

MRS, 1st BI-ANNUAL - 2023 (01-01-2023 to 30-06-2023) DISTRICT JHANG

S.No	MRS.Ref		Description	Quantity	Unit	Rate	Amount in PKR
	Ch	Item					
16	Non MRS		Euphorbia (H=10")Analysis attached	440.00	Each	199.23	87,659.44
							2,531,353.28
			Sub.Total				2,531,353.28
			2-Bhakkar Road				
			<u>Soil Preparaion</u>				
1	Input	7.003	Supply & laying of good earth at site.	16,000.00	Cft	16.29	260,648.00
			(Rate analysis attached)				
2	3	1.b	Earthwork excavation undressed lead upto a single throw of kassi,phaorah or shovel :- b) In ordinary soil.	17,600.00	1000Cft	4,986.60	87,764.16
3	13	4c	Painting Old Surfaces: (c)Painting ,any type(Kerb stone)				
			i)first coat	8,500.00	100Sft	1,090.90	92,726.50
			ii)each subsequent coat	8,500.00	100Sft	828.45	70,418.25
4	4	49b	Scraping:- b)paint of wall	8,500.00	100Sft	831.60	70,686.00
			Fertilizer				
5	N-S	N-S	sweet soil (Phal)	1,600.00	Cft	67.32	107,712.00
6	N-S	N-S	Urea 50kg/bag	17,600.00	Sft	11.40	200,640.00
7	N-S	N-S	Dap 50kg/bag	17,600.00	Sft	18.84	331,584.00
8	N-S	N-S	Cow manure 2cft/bag	200.00	Cft	15.00	3,000.00
9	N-S	N-S	Termiticides& Pesticides (1 liter)	0.50	Ltr	4,320.00	2,160.00
10	Ch-3	Item-32	Turfing slopes of Green belt with fine dhaka grass sods including ploughing, laying, setting and watering (Turf got from within a distance of 5 miles (8 Km.) and maintenance for 15 days).	17,600.00	100 Sft	1,848.00	325,248.00
11	Non MRS		Ficus Toparies (H=6'-6")	1,071.00	Each	6,177.23	6,615,809.05
12	Non MRS		Patonia(H=10") Analysis attached	1,412.00	Each	321.23	453,571.11

JHANG CITY

MRS, 1st BI-ANNUAL - 2023 (01-01-2023 to 30-06-2023) DISTRICT JHANG

S.No	MRS.Ref		Description	Quantity	Unit	Rate	Amount in PKR
	Ch	Item					
13	Non MRS		Portulaca(H=10") Analysis attached	1,412.00	Each	260.23	367,439.11
14	Non MRS		Euphorbia (H=10")Analysis attached	1,412.00	Each	199.23	281,307.11
							9,270,713.29
			Sub.Total				9,270,713.29
			3-Toba Road				
			<u>Soil Preparaion</u>				
1	6	52-b-i	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. b) With Painting (i) 14" high	200.00	Rft	535.05	107,010.00
2	13	4c	Painting Old Surfaces: (c)Painting ,any type(Kerb stone) i)first coat	6,214.00	100Sft	1,090.90	67,788.53
			ii)each subsequent coat	6,214.00	100Sft	828.45	51,479.88
3	4	49b	Scraping:- b)paint of wall	6,214.00	100Sft	831.60	51,675.62
4	7	4	Pacca brick work in foundation and plinth. i) cement sand mortar 1:4	50.00	100Cft	30,863.40	15,431.70
5	11	9	Cement Plaster 1:4 c)3/4" thick	1,000.00	100sft	4,650.85	46,508.50
			Fertilizer				
6	N-S	N-S	sweet soil (Phal)	100.00	Cft	67.32	6,732.00
7	N-S	N-S	Urea 50kg/bag	2,813.00	Sft	11.40	32,068.20
8	N-S	N-S	Dap 50kg/bag	2,813.00	Sft	18.84	52,996.92
9	N-S	N-S	Cow manure 2cft/bag	30.00	Cft	15.00	450.00
10	N-S	N-S	Termiticides& Pesticides (1 liter)	0.10	Ltr	4,320.00	432.00
11	Ch-3 Item-32		Turfing slopes of Green belt with fine dhaka grass sods including ploughing, laying, setting and watering (Turf got from within a distance of 5 miles (8 Km.) and maintenance for 15 days).	2,813.00	100 Sft	1,848.00	51,984.24
1	Non MRS		Ulta Ashoka(H=8'-9') Analysis attached	315.00	Each	3,127.23	985,076.19

JHANG CITY

MRS, 1st BI-ANNUAL - 2023 (01-01-2023 to 30-06-2023) DISTRICT JHANG

S.No	MRS.Ref		Description	Quantity	Unit	Rate	Amount in PKR
	Ch	Item					
2	Non MRS		Ficus Beds(H=12") Analysis attached	2,928.00	Each	382.23	1,119,157.73
3	Non MRS		Patonia(H=10") Analysis attached	568.00	Each	321.23	182,456.37
4	Non MRS		Portulaca(H=10") Analysis attached	568.00	Each	260.23	147,808.37
5	Non MRS		Euphorbia (H=10")Analysis attached	568.00	Each	199.23	113,160.37
							3,032,216.62
			Sub.Total				3,032,216.62
			4-Rail Bazar To MC Office Road				
			Soil Preparaion				
1	Input	7.003	Supply & laying of good earth at site. (Rate analysis attached)	210.00	Cft	16.29	3,421.01
2	6	52-b-i	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. b) With Painting (i) 14" high	70.00	Rft	535.05	37,453.50
3	13	4c	Painting Old Surfaces: (c)Painting ,any type(Kerb stone) i)first coat	1,500.00	100Sft	1,090.90	16,363.50
			ii)each subsequent coat	1,500.00	100Sft	828.45	12,426.75
4	4	49b	Scraping:- b)paint of wall	1,500.00	100Sft	831.60	12,474.00
1	Non MRS		Patonia(H=10") Analysis attached	208.00	Each	321.23	66,815.01
2	Non MRS		Portulaca(H=10") Analysis attached	296.00	Each	260.23	77,026.90
3	Non MRS		Euphorbia (H=10")Analysis attached	250.00	Each	199.23	49,806.50
4	Non MRS		Planter Concrete Buckets	82.00	Each	6,500.00	533,000.00
							808,787.16
			Sub.Total				808,787.16
			5-Ayub Chowk To Kachery Road				
			Soil Preparaion				

JHANG CITY

MRS, 1st BI-ANNUAL - 2023 (01-01-2023 to 30-06-2023) DISTRICT JHANG

S.No	MRS.Ref		Description	Quantity	Unit	Rate	Amount in PKR
	Ch	Item					
1	Input	7.003	Supply & laying of good earth at site. (Rate analysis attached)	100.00	Cft	16.29	1,629.05
2	6	52-b-i	Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. b) With Painting (i) 14" high	60.00	Rft	535.05	32,103.00
3	4	49b	Scrapping:- b)paint of wall	1,950.00	100Sft	831.60	16,216.20
4	13	4c	Painting Old Surfaces: (c)Painting ,any type(Kerb stone) i)first coat	1,950.00	100Sft	1,090.90	21,272.55
			ii)each subsequent coat	1,950.00	100Sft	828.45	16,154.78
			Fertilizer				
5	N-S	N-S	sweet soil (Phal)	50.00	Cft	67.32	3,366.00
6	N-S	N-S	Urea 50kg/bag	2,342.00	Sft	11.40	26,698.80
7	N-S	N-S	Dap 50kg/bag	2,342.00	Sft	18.84	44,123.28
8	N-S	N-S	Cow manure 2cft/bag	30.00	Cft	15.00	450.00
9	N-S	N-S	Termiticides& Pesticides (1 liter)	0.10	Ltr	4,320.00	432.00
10	Ch-3 Item-32		Turning slopes or Green belt with fine dhaka grass sods including ploughing, laying, setting and watering (Turf got from within a distance of 5 miles (8 Km.) and maintenance for 15 days)	2,342.00	100 Sft	1,848.00	43,280.16
11	Non MRS		Copernicia Plant (H=7'-8') Analysis attached	35.00	Each	13,497.23	472,402.91
12	Non MRS		Fincus Plam(H=3'-4') Analysis attached	12.00	Each	687.23	8,246.71
13	Non MRS		Ficus Panda(H=2'-6") Analysis attached	48.00	Each	321.23	15,418.85
14	Non MRS		Patonia(H=10") Analysis attached	120.00	Each	321.23	38,547.12
15	Non MRS		Portulaca(H=10") Analysis attached	120.00	Each	260.23	31,227.12
16	Non MRS		Euphorbia (H=10")Analysis attached	120.00	Each	199.23	23,907.12
							795,475.65
			Sub.Total				795,475.65

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

Sr.No	Description	Unit Rate per No's 100		
		Qty	Rate per Unit	Amount (Rs)
A	Plants			
	Supply of Plants for different types including Transportation loading, unloading to the site.			
	1) Patonia(10")	100	200.00	20000
	2) Portulaca (10")	100	150.00	15000
	3) Euphorbia(10")	100	100.00	10000
	4) Ulta Ashok (8'-9')	100	2500.00	250000
	5) Ficus Beds(12")	100	250.00	25000
	6) Copernicia Plant(7'-8')	100	11000.00	1100000
	7) Fincus Palm(3'-4')	100	500.00	50000
	8) Ficus Panda(2'-6")	100	200.00	20000
	9) Ficus Toparies (H=6'-6")	100	5000.00	500000
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) Patonia(10")	1	263.30	263
	Constractor Profit & Overheads 20 %	0.2	263	52.66
	lookafer (after the completion of work for 6month) 2 %	0.02	263	5.27
			TOTAL(1)	321.23
	2) Portulaca (10")	1	213.30	213
	Constractor Profit & Overheads 20 %	0.2	213	42.66
	lookafer (after the completion of work for 6month) 2 %	0.02	213	4.27
			TOTAL(2)	260.23
	3) Euphorbia(10")	1	163.30	163
	Constractor Profit & Overheads 20 %	0.2	163.30	33
	lookafer (after the completion of work for 6month) 2 %	0.02	163.30	3

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

Sr.No	Description	Unit Rate per No's 100		
		Qty	Rate per Unit	Amount (Rs)
			TOTAL(3)	199.23
	4) Ulta Ashok (8'-9')	1	2563.30	2563
	Constructor Profit & Overheads 20 %	0.2	2563.30	513
	lookafer (after the completion of work for 6month) 2 %	0.02	2563.30	51
			TOTAL(4)	3,127.23
	5) Ficus Beds(12")	1	313.30	313
	Constructor Profit & Overheads 20 %	0.2	313.30	63
	lookafer (after the completion of work for 6month) 2 %	0.02	313.30	6
			TOTAL(5)	382.23
	6) Copernicia Plant(7'-8')	1	11063.30	11063
	Constructor Profit & Overheads 20 %	0.2	11063.30	2213
	lookafer (after the completion of work for 6month) 2 %	0.02	11063.30	221
			TOTAL(6)	13,497.23
	7) Fincus Palm(3'-4')	1	563.30	563
	Constructor Profit & Overheads 20 %	0.2	563.30	113
	lookafer (after the completion of work for 6month) 2 %	0.02	563.30	11
			TOTAL(7)	687.23
	8) Ficus Panda(2'-6")	1	263.30	263
	Constructor Profit & Overheads 20 %	0.2	263.30	53
	lookafer (after the completion of work for 6month) 2 %	0.02	263.30	5
			TOTAL(8)	321.23
	9) Ficus Toparies (H=6'-6")	1	5063.30	5063
	Constructor Profit & Overheads 20 %	0.2	5063.30	1013
	lookafer (after the completion of work for 6month) 2 %	0.02	5063.30	101
			TOTAL(9)	6,177.23

PUNJAB CITIES PROGRAM (PCP)

Detail Design of Infrastructure Sub - Projects Sectoral Planning & Resident REHABILITATION OF PARKS IN JHANG CITY RATE ANALYSIS FOR PLANTS

Sr.No	Description	Unit Rate per 100sft		
		Qty	Rate per Unit	Amount (Rs)
A	DIFFERENT ITEMS			
	Supply for different types of items including Transportation loading, unloading to the site.			
	1)sweet soil (Phal)	1 Cft	35	35
	2)Urea 50kg/bag	1 bag	4200	4200
	3)Dap 50kg/bag	1 bag	10800	10800
	4)Cow manure 2cft/bag	1 bag	25	25
	5)Supplying of Termiticides& Pesticides (1 liter)	1 liter	3600	3600
			Unit Rate per 100cft	
	1) Sweet Soil			
	a)sweet soil (Phal)	100 Cft	35	3500
	b)Labour charges for handling,laying			
	Mali (LB022)	1	1060	1,060.00
	helper(LB061)	1	1050	1,050.00
			TOTAL b)	2,110.00
	c)Contractor Profit & Overheads 20 %	0.2	5610	1,122.00
	TOTAL(a+b+c)			6,732.00
	Composite Rate/Cft			67.32
			Unit Rate per 100Sft	
	2) Urea			
	a)Urea 50kg/bag	0.1	4200	420
	b)Labour charges for handling,laying			
	Mali (LB022)	0.5	1060	530.00
			TOTAL b)	530.00
	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	

PUNJAB CITIES PROGRAM (PCP)

Detail Design of Infrastructure Sub - Projects Sectoral Planning & Resident REHABILITATION OF PARKS IN JHANG CITY RATE ANALYSIS FOR PLANTS

Sr.No	Description	Unit Rate per 100sft		
		Qty	Rate per Unit	Amount (Rs)
	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)Constructor Profit & Overheads 20 %	0.2	1570	314.00
	TOTAL(a+b+c)			1,884.00
	Composite Rate/Sft			18.84
				Unit Rate per Bag
	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 Bag
	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

PUNJAB CITIES PROGRAM (PCP)
Detail Design of Infrastructure Sub - Projects Sectoral Planning & Resident Supervision in
16 Cities of Punjab
Green Belt At Jhang Road

CALCULATION OF QUANTITIES

Sr. No.	Description	No.	Length	Width	Height	Qty.	Unit.
A. <u>Sargoda Road (4740 Rft)</u>							
		1	220.72	3.52		776.9344	
		1	149.05	3.67		547.0135	
		1	70.39	3.36		236.5104	
		1	426.33	3.64		1551.8412	
		1	165.86	3.38		560.6068	
		1	254.15	3.35		851.4025	
		1	454.06	2.86		1298.6116	
		1	488.54	2.71		1323.9434	
		1	275.27	3.28		902.8856	
		1	148.86	2.76		410.8536	
		1	503.71	2.92		1470.8332	
		1	277.52	2.76		765.9552	
	Total (Rft)		3,434.46			10,697.39	
	Ded Plants(2'x8')	110	2	8		1,760.00	
					Total (A)	8,937.39	Sft
					Say	8938 Sft	
B. <u>Bhakkar Road (11357 Rft)</u>							
		1	175.74	2.58		453.4092	
		1	69.19	2.56		177.1264	
		1	199.59	2.56		510.9504	
		1	87.21	2.64		230.2344	
		1	405.82	2.5		1014.55	
		1	968.27	2.77		2682.1079	
		1	339.03	1.99		674.6697	
		1	245.57	1.62		397.8234	
		1	156.36	2.6		406.536	
		1	50.5	2.79		140.895	
		1	75.78	2.36		178.8408	
		1	219.99	2.23		490.5777	
		1	208.11	2.31		480.7341	
		1	1341.5	4.25		5701.375	
		1	1176.69	2.04		2400.4476	
		1	45.66	4.02		183.5532	
		1	229.93	2.14		492.0502	
		1	210.67	2.44		514.0348	
		1	834.62	4.55		3797.521	
		1	59.79	2.33		139.3107	

Sr. No.	Description	No.	Length	Width	Height	Qty.	Unit.
		1	427.88	2.43		1039.7484	
		1	484.29	2.53		1225.2537	
		1	183.77	2.46		452.0742	
		1	375.75	2.55		958.1625	
		1	276.93	2.66		736.6338	
		1	266.06	2.49		662.4894	
		1	184.95	2.81		519.7095	
	Total (Rft)		9,299.65				
						26,660.82	

		1	175.74	2.58		453.4092	
		1	69.19	2.56		177.1264	
		1	405.82	2.5		1014.55	
		1	968.27	2.77		2682.1079	
		1	50.5	2.79		140.895	
	Total (Rft)		1,669.52				
					Ded	4,468.09	
	Ded Plants(2'x8')	287	2	8		4,592.00	

Total (B) **17,600.73** Sft
Say **17600 Sft**

C. Toba Road (3761 Rft)

		1	236.27	1.97		465.4519	
		1	249.06	2.03		505.5918	
		1	250.21	2.06		515.4326	
		1	241.39	2.73		658.9947	
		1	85.57	2.06		176.2742	
		1	206.29	2.98		614.7442	
		1	158.22	2.41		381.3102	
		1	239.45	2.74		656.093	
		1	301.34	3.81		1148.1054	
		1	289.14	4.02		1162.3428	
		1	216.91	3.82		828.5962	
		1	80.17	3.18		254.9406	
		1	221.58	3.92		868.5936	
		1	260.83	3.82		996.3706	
		1	71.39	3.42		244.1538	
	Total (Rft)		3,107.82				
						9,477.00	

	Ded Plants(2'x8')	142	2	8		2272	
	Ficus Bed	488	1.5	6		4392	
						6,664.00	

Total (C) **2,813.00** Sft
Say **2813 Sft**

D. MC Road (1141 Rft)

Sr. No.	Description	No.	Length	Width	Height	Qty.	Unit.
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1			123.3	3.52		434.016	
1			112.25	1.83		205.4175	
1			51.3	1.83		93.879	
1			92.76	1.91		177.1716	
1			108.19	2.15		232.6085	
1			130.43	2.19		285.6417	
1			63.98	2.01		128.5998	
1			66.06	2.09		138.0654	

Total (Rft)

748.27

Total (D)
Say

1,695.40
1695 Sft

Sft

E. Kachery Road (1124 Rft)

1			173.87	2.83		492.0521	
1			167.56	2.84		475.8704	
1			259.56	2.79		724.1724	
1			64.37	3.04		195.6848	
1			303.46	3.08		934.6568	

Total (Rft)

968.82

2,822.44

Ded Plants(2'x8')

30

2

8

480

Total (E)
Say

2,342.44
2342 Sft

Sft

District : JHANG		UNIT = 1 Cft			Lead : 5.00 mile		
City : JHANG							
S.NO	MRS		ITEM DESCRIPTION	UNIT	RATE	AMOUNT	REMARK
	CHAP.	SR.NO					
1	3	6	A) <u>SUPPLY OF GOOD EARTH</u> Supply of good earth (MRS = 620 per 100 cft)(Input 07.003)	1000 Cft	6.2	6,200.00	
			SUB - TOTAL (A)			6,200.00	
2	3	17	C) <u>LEAD 5 mile</u> 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)	1000 Cft	4,472.30	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- =1200 ÷100 = 12 36.9 = 442.2 400				
			c) for every ¼ mile (400 m) additional lead or part thereof,beyond one mile (1.6 Km.) upto 5 mile (8 Km.) 8000- =6400 ÷400 = 16.00 324 = 5,176.00 1600				
			5,618.20				
			SUB - TOTAL (B)			10,090.50	
			TOTAL (A+B+C)			16,290.50	
			COMPOSITE RATE FOR 1000 CFT			16,290.50	
			COMPOSITE RATE PER CFT			16.29	