

REQUEST FOR EXPRESSIONS OF INTEREST (CONSULTING SERVICES– FIRMS SELECTION)

Credit No. IDA-6243

Contact No. PK-PMDFC-242289-CS-CQS

Assignment Title: “Hiring of Engineering Firms for Detailed Design of Infrastructure Sub-Projects (Parking Sheds, Parks, Roads, Chowks, etc.) and Resident Supervision in 16 Cities of Punjab”

The Govt. of Punjab (hereinafter called “Borrower”) has received financing from the International Development Association (IDA) in the form of a “credit” (hereinafter called “credit”) towards the cost of “Punjab Cities Program (PCP)”. Punjab Municipal Development Fund Company (PMDFC), hereinafter referred to as ‘Client’ intends to apply a portion of the proceeds of this credit to eligible payments under the contract.

The following MCs are covered;

Northern Punjab	Central Punjab	Southern Punjab
1- Daska	1- Gojra	1- Bahawalnagar,
2- Hafizabad	2- Jaranwala,	2- Burewala
3- Jhelum	3- Jhang,	3- Khanewal,
4- Kamoke	4- Kamalia	4- Vehari,
5- Muridke	5- Okara	5- Kot Addu
6- Wazirabad		

The Consulting Services (“the Services”) include detailed design of infrastructure sub-projects and resident supervision in all 16 cities of Punjab as given above. The overall objectives of hiring of the Consultant Services have been mentioned in detail in the TORs.

The Punjab Municipal Development Fund Company (PMDFC) now invites eligible consulting firms (“Consultants”) to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services.

Mandatory Documents for Eligibility

	Description	Requirement
1	Certificate of Company/Firm Registration/Incorporation under the laws of Pakistan	Mandatory
2	Valid Income Tax Registration (Status= Active with FBR)	Mandatory
3	Valid General Sales Tax Registration (Status= Active with PRA)	Mandatory
4	Submission of undertaking on stamp paper that the firm is not black listed and not involved in litigation with any of Provincial or Federal Government institutions, Agencies, Organizations, Donor agencies, World Bank or autonomous bodies anywhere in Pakistan.	Mandatory
5	Minimum 10 years' experience in the field of designing, planning & resident supervision of infrastructure sub-projects and its implementation.	Mandatory

The **short-listing criteria** are:

1. Specific Experience in Detail Design & Resident Supervision (Marks: 40)

1.1 Specific experience in public sector detailed design of infrastructure sub-projects, like Parking Areas, Roads, Sewerage Systems, Parks & Resident Supervision. The applicant must have completed atleast five projects having consultancy cost of PKR 30 million in total during last 10 years. Documentary evidence of each activity indicating the cost charged must be provided. **(Marks: 40)**

2. Work Experience in Detail Design & Resident Supervision (Marks: 60)

2.1 Proven experience of completion of detailed design of five sectoral sub-projects having consultancy cost of PKR 20 million in total for the relevant sectors such parking areas/sheds, parks & green spaces and sewerage systems. Documentary evidence of each activity indicating the cost charged must be provided. **(Marks:20)**

2.2 Proven experience of completion of five sectoral sub-projects having consultancy cost of PKR 20 million in total for the detailed design of relevant sectors such as urban roads & streetlight, cross roads, concrete pavers street/roads. Documentary evidence of each activity indicating the cost charged must be provided. **(Marks: 20)**

2.3 Proven experience of completion of five consultancy projects having consultancy cost of PKR 30 million in total in conducting resident construction supervision of infrastructure sub-projects preferably urban areas. Documentary evidence of each activity indicating the cost charged must be provided. **(Marks: 20)**

The detailed Terms of Reference (TOR) for the assignment can be found at the following website: <https://pmdfc.punjab.gov.pk/>

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016 [Revised November 2017 and August 2018] ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest. A Consultant will be selected in accordance with the Consultants Qualification Selection (CQS) method set out in the Procurement Regulations of the World Bank.

Consultants may associate with other firms to enhance their qualifications, but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract and evaluated accordingly. If selected, all partners shall give the undertaking duly signed on a stamp paper.

The firms are requested to submit supporting documents i.e. copies of contract agreements indicating cost agreed and completion certificates with each activity invariably. The firms which have already submitted the EOIs are requested to submit the EOI keeping in view the revised TORs along with the above documents. In case the supporting documents are not found attached along with submission of EOI as mentioned, no weightage will be awarded.

Expressions of interest must be delivered in a written form to the address below up to **Dec 14, 2021 by 1500 hours.**

Punjab Municipal Development Fund Company (PMDFC)

Attn.: Managing Director / Program Director (PD)

Building No.184 Scotch Corner, Upper Mall Scheme, Lahore – 54500 Pakistan

Tel: +92 42 99204386-89

E-mail: info@pmdfc.org.pk

Website: <https://pmdfc.punjab.gov.pk/>



PUNJAB CITIES PROGRAM (PCP)

**TERMS OF REFERENCE
FOR
HIRING OF CONSULTANTS
FOR
DETAILED DESIGN OF INFRASTRUCTURE SUB-PROJECTS AND RESIDENT
SUPERVISION
IN
16 cities of Punjab**

November 2021

Punjab Municipal Development Fund Company

184, Scotch Corner, Upper Mall, Lahore

Tel #: 042-99204386-89

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I. Brief Background

- ✓ The Punjab Cities Program (PCP), is a World Bank-funded hybrid of Program for Results (PforR) and Investment Project Financing (IPF) operation, with total cost of USD 200 million over 5 years (2018 -2023) supporting 16 cities in Punjab. Its development objective is to strengthen the performance of participating Municipal Committees/Corporations (MCs), focusing on urban management and improvement of municipal infrastructure for satisfactory service delivery.
- ✓ Under the PforR (Window-1) the Performance Based Grants (PBGs) are being provided to the MCs of the 16 selected cities for investments in municipal infrastructure and services.
- ✓
- ✓ The IPF (Window-2) will support provincial government agencies i.e. Local Government & Community Development Department (LG&CDD), Punjab Local Government Board (PLGB), Punjab Municipal Development Fund Company (PMDFC) and PFC Unit of Finance Department (FD).

II. Objectives of Consultancy Services

The overall objectives of hiring of the Consultancy Services are;

- a) Detailed Design of the evidence-based, priority municipal infrastructure sub-projects in the sectors given below, after due deliberations with PMDFC & MCs
- b) Resident supervision of the sub-projects for quality control.

III. Package for the Consultancy Services

The Consultancy Services will be undertaken for the Municipal Committees /Corporations of the following cities:

Northern Punjab	Central Punjab	Southern Punjab
1- Daska	1- Gojra	1- Bahawalnagar,
2- Hafizabad	2- Jaranwala,	2- Burewala
3- Jhelum	3- Jhang,	3- Khanewal,
4- Kamoke	4- Kamalia	4- Vehari,
5- Muridke	5- Okara	5- Kot Addu
6- Wazirabad		

IV. Responsibilities of Consultants

The responsibility matrix of doing work for Detailed Design and Resident Supervision is given as below:

Sector	Detailed Design	Resident Supervision
Rehabilitation of Municipal Services	Not required	Resident Supervision of the ongoing subprojects in some MCs

Infrastructure Projects		
Solid Waste Management	Design of SWM Machinery & Equipment already carried out by PMDFC	Top Supervision of supply of Machinery & Equipment
	Design of Parking areas	Resident Supervision of Parking Areas
Roads & streetlights	Design of priority roads, streetlights, sidewalks, medians etc. wherein no water supply and sewerage system is to be laid in the medium-term	Resident supervision by consultants for the subprojects which can be completed by September 2022.
Crossroads, chowks, and important nodes	Detailed Design	
Parks	Detailed Design	

V. Terms of Reference

The consultants will be required to carry out the activities as outlined in the table above and as given below:

A. Detailed Design

The detailed design for the following municipal services infrastructure:

1. Parking Areas for solid waste and other MC vehicles
2. Urban metalled / concrete pavers roads /streets along with longitudinal or cross drainage which may comprise of:
 - a) Resurfacing of the existing roads
 - b) Widening within ROW and improvement of the existing roads
 - c) Construction of new roads
 - Metalled Roads
 - Concrete pavers streets / roads
 - d) Streetlights on important roads
 - e) Sidewalks, green belts, and medians per site conditions
3. Crossroads, chowks, and important nodes
4. Parks and green spaces

These sub projects are being identified based on data from a Gap Analysis conducted by PMDFC and the MCs and are being marked on plans of the city.

a) General requirements of detailed design of Sub-Projects

The consultants will be required to undertake, but not be limited to, the following broadly categorized tasks for detailed design of the sub-projects:

- i. Topographic and all other types of surveys required therein, soil and all other kind of investigations, at site and laboratory testing and all other tasks required to precisely assess the existing condition of the structures / land and other features of the infrastructure component under design.

- ii. Preparation of location plans, site plans, contour plans, longitudinal profiles, cross sections, 3D views and other such types of plans or sections to precisely describe the existing configuration and condition of the infrastructure component.
- iii. Consultation with MC Officers regarding the problems encountered by the general public and in operation & maintenance of the infrastructure designed by the MC.
- iv. Preparation of the subproject Feasibility Report (if required), Detailed Design, Rough Cost Estimates, Bid and Detailed Drawings, PC-Is and other Project documents required therein.
- v. Correction, modification or alteration of the above-mentioned documents after discussions with MC Officers and PMDFC regarding suitability of the design and decisions arrived at.
- vi. Carrying out the Economic and Financial Analysis for determination of EIRR and FIRR as per requirements of the PC-Is.
- vii. Sensitivity Analysis of the sub-projects and their economic, financial, and social effects.
- viii. Presentation of PC-Is to DDWP, DDSC/Pre-PDWP/PDWP and finalization of PC-Is in the light of comments (if any) from these forums.
- ix. Preparation of structural drawings and detailed cost estimates and help MCs in getting it Technically Sanctioned by the competent authority.
- x. Preparation of Bidding Documents including pre-qualification/post qualification criteria for contractors
- xi. Participate in the bid opening process and assist MCs in preparation of Bid Evaluation Report on the PMDFC prescribed format.
- xii. Preparation of Revised PC-Is and detailed cost estimates of the sub-projects if required, their presentation to the competent forum and correction or modification as per requirements of that forum.

The detailed scope of work to be carried out for each sector has been given in **Annexure-A**.

b) Documents to be prepared by the Consultants

The following documents will be prepared by the Consultants for detailed design of each sub-project;

- 1) Inception Report with format for Progress Reports
- 2) Feasibility Report for the projects costing Rs 300 million & above.
- 3) Detailed design of the sub-projects
- 4) Cost Estimates
- 5) Economic and Financial Analysis
- 6) Sensitivity Analysis
- 7) PC-Is
- 8) Bidding Documents including but not limited to:
 - Instruction to Bidders & Conditions of the Contract (COC)
 - Special Conditions of the Contract
 - Bill of Quantities (BOQ)
 - Contract Data
 - Specifications

- Form of Agreement and detailed draft contract (general and specific conditions) based on the standard format of Pakistan Engineering Council.
- 9) Revised PC-Is and revised detailed cost estimates, whenever required.

B. Resident Construction Supervision

The Consultants will undertake Resident Supervision of the ongoing & new subprojects per the following:

- 1) One Team Leader based at Lahore will be appointed who will have overall control of the works across 16 MCs each.
- 2) One Assistant Resident Engineer (Qualified Graduate Engineer Civil in the respective discipline with required experience as given below) will be stationed in each Program MC, and will be responsible for resident supervision of the works & goods and shall perform duties with due diligence, efficiency and in accordance with the best engineering professional and consulting standards. S/he will be supported with one Inspector at each MC.
- 3) The Consultants will conduct Resident Construction Supervision of the following types of works:

I. Ongoing Subprojects

a) Machinery & Equipment for Solid waste management

The contract for direct procurement of vehicles chassis & other vehicles / machinery and for fabrication of superstructure on these vehicles' chassis, are being awarded presently in all 16 MCs. The consultants will be responsible for inspection of this machinery & equipment as under:

- 4) The Consultants will inspect the vehicles, vehicles chassis and any other machinery purchased by the MCs under Direct Contracting from the manufacturers at the time of delivery to the MCs.
- 5) The Consultants will inspect the super structures of the solid waste vehicles and other machinery & equipment during its manufacture in the factories / manufacturing plants and before delivery to the MCs and give certificate for their conformance to the specifications given in the Contract Agreements.
- 6) The Consultants may perform Factory Acceptance Test (FAT) on the solid waste vehicles / chassis, superstructures, machinery and equipment, in the manufacturer's premises and obtain a copy of the test result for their record. One copy of each test will be submitted to the Engineer in Charge and the Client.

b) Rehabilitation Subprojects

- 7) The consultants will supervise the PCP ongoing Rehabilitation Works in the below mentioned MCs after mobilizations

- | | | | |
|-----------|-------------|-----------|-----------------|
| 1) Jhelum | 2) Daska | 3) Jhang | 4) Kamalia |
| 5) Okara | 6) Burewala | 7) Vehari | 8) Bahawalnagar |

- 8) Any work already completed before the mobilization of the consultants, will also be checked and verified by the consultants in quantity and quality. For this purpose, they can excavate, drill, cut cores and perform all other tests required therein for assuring the quantity and quality of work. The cost of these tests will be paid by the contractor

II. New Subprojects

The consultants will also conduct the Resident Supervision of the subprojects which will be designed by them in 16 MCs as stipulated in the scope of these TORs.

The Resident Supervision of all kinds of works mentioned above will be carried out as per following:

- 9) The Consultants will participate in the bidding process of the subprojects designed by them and prepare Evaluation Reports of such bids in collaboration with MCs.
- 10) The Consultants will obtain the work plan from the contractor before commencement of work at site, analyse it under the light of total time period for completion & scope of work and recommend it to the Engineer in Charge for approval. The Consultants can make changes in the work plan in consultation with the contractor if so required, to increase the pace of progress of work. Same process will be done for the Revised Work Plans in case the Contract Timeline is extended.
- 11) Consultant will provide to Client, the complete SOPs of Contract Implementation (based on PPRA), particularly processing of variations / deviations in the quantities and specifications of works, processing of Contractors IPCs, Check Request System, and Laboratory Testing etc. with their inception report.
- 12) The Consultants will be responsible for giving recommendations on the inventory of sources of materials submitted by Engineer in charge and to be used in the work and equipment & machinery to be installed at site of work, before arrangement of the materials or before booking of the equipment & machinery with the vendors by the contractors.
- 13) The Consultants will be responsible for checking the quality of works and machinery & equipment installed by the contractors at site of work and will issue notice to the contractor for their replacement if these do not conform to the laid down specifications. One copy of this notice will be submitted to the Engineer in Charge.
- 14) The Consultants shall certify that construction material brought at site by the contractor and tested from an approved government laboratory in line with Contract Documents, is in accordance with the specifications.
- 15) The Consultants will verify the quantities of work carried out by the Contractor by actual measurements at site and will verify IPCs submitted by the contractor with recommendations for payment to the relevant MC.
- 16) None of the substandard works, equipment and machinery will be verified for payment to the contractor by the Consultants. Similarly, no excess quantity over and above that actually measured at site by the Consultants, will be verified and paid.

- 17) The Consultants may perform Factory Acceptance Test (FAT) on the machinery and equipment to be installed in works, in the manufacturer's premises and obtain a copy of the test result for their record. One copy of each test will be submitted to the Engineer in Charge and the Client.
- 18) The Consultants shall supervise the works in all matters concerning safety and care of work and report to Engineer in Charge (Municipal Officer I&S) of each MC on any problem arising out in construction work during its execution.
- 19) IPCs will be verified and certified by the Senior Engineer through his field staff. Consultant will ensure that all necessary documents are appended with the IPCs before recommendation to Engineer in Charge. One copy of the verified IPC will also be provided to the Client by the consultants.
- 20) The test reports from nearest government laboratory (C&W, NLC, FWO, PCSIR, PITAC, UET Lahore and UET Taxila or any other Government approved laboratory etc.) will be attached with the contractors' IPCs and also appended with the fortnightly and monthly reports
- 21) No payment to the Consultant will be made till submission of the certification by its Senior Engineer/Team Leader that the work has been completed in accordance with Contract Documents and approved Drawings for Construction and the quality and quantities of the works have been verified.
- 22) The Consultants will keep record of the water quality test results of all water sources improved or extended under the contract and supply one copy of all such test results to Engineer in Charge and the Client.
- 23) The Consultants will also keep the record of all tube well drilling logs, tube well conversion charts, tube well development and testing charts and hand over one copy of each document /record to the Engineer in Charge and the Client.
- 24) The Consultants will help the Client in preparation of the Fact-Finding Report in case of any conflict arising between the contractor and the MO (I&S) or any other MC Officer or any other problem / obstruction/ bottlenecks arising in execution of the work at site due to various issues.
- 25) The Consultant will monitor the approved implementation schedule and report delays if any with proper analysis of delays particularly early warning of such events to MO (I&S), the Engineer in Charge. The Consultants will also recommend the measures to put the work on pace as per time line of the contract.
- 26) The Consultants shall keep the record of daily inspection reports and hand them over to the concerned Engineer in Charge i.e. MO (I&S) on fortnightly basis. One copy of this record shall be retained by the consultants at site offices and the summary of such notes shall become part of Monthly Progress reports to be submitted to the Client. The Consultants will submit progress pictures through an android application attached with a dash board through Google map providing GPS with date and time and progress in

percentage at site. In case of renovation or rehabilitation of certain components the before and after pictures will also be submitted.

- 27) The Consultant will keep pictorial evidence of each and every stage of work before, during and after completion of the work. This pictorial evidence will be systematically & chronologically arranged and will be submitted to the Client and MO(I&S) on weekly basis or as required by the Client.
- 28) The required decisions shall be made at site by Assistance Resident Engineers in consultation with the Senior Engineer. Decisions requiring major changes in scope of work liable to change the project cost substantially, will be referred to the Team Leader who will process such cases in line with contract agreement signed between MC and the Contractor and recommend to MO (I&S), the Engineer in Charge, for approval.
- 29) The Consultant shall submit fortnightly progress report to the concerned Engineer in Charge and the Client on monitoring of works, environmental, social, occupational health and safety management plans, pointing out the deficiencies in the works & plans and suggestions for its remedial measures. The Consultant shall update the dashboard for physical and financial progress of projects as per the instructions of client.
- 30) Consultant will include MC stationed field officer's attendance sheet of every month in the Monthly Progress Report duly attested by the Team Leader/Senior Engineer. This sheet will also be included in the IPCs submitted by the Consultants to the Client for payment.
- 31) Due to various types of variations in quantities and specifications of the actual work required / executed in the filed with those provided in the BOQ /letter of award, the revision in the PC-I and detailed cost may be needed. In such cases the Consultants will prepare Revised Cost Estimates on the format specified by Government of Punjab and PC-Is, present these before the competent forum for Approval and subsequently prepare the detailed cost estimate and drawings for seeking Technical Sanction from the competent authority.
- 32) One month prior to the expiry of the defect liability period of the work, the Consultant shall carryout a detailed final inspection of the works along with MCs and Contractors concerned authorised staff and submit a report to the concerned Engineer in Charge pointing out the defects if any in the works along with remedial measures mentioning specified time lines with one copy endorsed to the Client.
- 33) After completion of the Project/Subproject /any part thereof, the Consultants will recommend to the Engineer in Charge a completion certificate of that Project/Subproject /any part thereof as per requirement of the Engineer in Charge along with the punch list of defects, shortcomings or any other issue to be rectified by the contractor in the Defect Liability Period.
- 34) The Contract Agreement may be extended if some works remain incomplete during the Contract Timeline of the Consultants due to unavoidable reasons or if so required

by the Client or the Engineer in Charge due to any other factor. The Terms and Conditions of the extended Timeline may be negotiated by the Client with the Consultant.

- 35) If subsequently, at any stage after the expiry of the defect liability period and during the service life of the work, the quality of any item of work verified and passed by the consultant is found substandard, defective or its quantity is found in excess over that actual quantity in field, the consultant shall also be liable to pay the compensation to the concerned MC for the defective work. The liability shall be to the extent of two times the fee charged for consultancy.

C. Core Teams

The core team of the consultants for design, sectoral planning and construction supervision is given below:

S #	Personnel	Nos	Qualification	Input
A	Detailed Design			
1	Team Leader (Detailed Design and supervision)	01	BSc;/BE in Civil Engineering from HEC approved University with minimum 20 years' professional experience and 5 years' experience on similar assignments; or MSc; Civil Engineering/Public Health Engineering/Environmental Engineering with Bachelor's in Civil Engineering with minimum 15 years' experience and 5 years' experience on similar assignments on urban planning, designing and construction supervision assignments.	Lahore based Full Time
2	Sr. Surveyor	02	Diploma in Surveying (2 Years) with minimum 10 years' experience in site surveying on projects of similar nature.	Stationed as per need
3	Field Surveyors	08	Diploma in Surveying (2 Years) with minimum 5 years' experience in site surveying on projects of similar nature.	Stationed as per need
4	Structure Engineer (Design)	01	BSc; Civil Engineer with Masters in Structure Engineering from HEC approved University and possessing minimum experience of 10 Years for designing structures	Full time
5	Roads Specialist (Design)	02	BSc; Civil Engineer from HEC approved University with Masters in Highways/Transportation Engineering and possessing minimum experience of 10 Years for designing highways	Full Time
6	Landscape Architect for design of Parks, Chowks, Nodes	02	Bachelor in Architecture with 15 years' experience and at least 5 years' experience in Landscape Architecture or Master in Architecture with 10 years' experience and 5 years' experience in Landscape Architecture.	Full time
7	Quantity Surveyors	04	DAE in Civil with minimum 10 years' experience for projects of similar nature as QS.	Full time
8	CAD Operator	04	DAE in Civil with minimum 10 years' experience for preparation of drawings in CAD particularly civil engineering infrastructure projects.	Full Time

9	Procurement & Contract Management Specialist	01	BSc;/BE Civil Engineering with minimum 08 Years of Experience in Contract Management and overall experience of 15 Years on Civil Engineering Projects particularly PEC/FIDIC Based Contracts. He must have knowledge of MS Project and Prim-Vera. Preference will be given having Master's degree in Project Management/Contract Management	Lahore based Intermittent
B	Resident Supervision			
10	Assistant Resident Engineers	16	Bachelor's Degree in Civil engineering with minimum 8 years' experience in site supervision and execution for projects of similar nature.	MC Based. Full Time
11	Inspectors	16	DAE in Civil engineering with minimum 8 years' experience in site supervision and execution for projects of similar nature.	MC Based. Full Time

Any other related staff will be quoted by the Consultant in line with the methodology submitted.

VI. Time Line

- Complete Assignment is to be completed within 10-14 Months of the signing of contract agreement. The Detailed Design of all the subprojects will be completed with first 4 months of the signing of Contract Agreement. Resident Supervision will span over 6 to 10 months depending upon scope of work in each MC.
- Some information regarding the location and existing facilities of the Parking areas is available with PMDFC and will be handed over to the Consultants.
- Municipal Officers will need to be closely consulted during surveys, investigations and preparation of the Detailed Design and their suggestions, if feasible, duly incorporated. In case of any disagreement the matter will be discussed with Senior Program Officer (Infrastructure Development), PCP.

VII. Deliverables/KPIs with timeline

- The design of Parking Areas, Urban Roads and Chowks / CrossRoads / Important Nodes and Parks /green spaces will be started simultaneously.
- Under mentioned timeline will be followed for Detailed Design of each subproject in each MC.

1	Detailed Design of the Parking Areas in 16 MCs	Within first 2 months after mobilization
2	Detailed Design of 50% metaled roads /Concrete pavers streets or roads and chowks/ important nodes along with longitudinal & cross drainage & streetlights in 16 MCs	Within first 2 months
3	Design of remaining 50% roads and chowks/ important nodes in 16 MCs	Within first 4 months
4	Parks & green spaces	Within first 4 months

		Important <i>The Detailed Design of all subprojects in the above-mentioned sectors will be started in parallel and complete assignment of the detailed design will be completed within first 4 months.</i>	
	6	Resident supervision	1) Resident supervision of the ongoing Rehabilitation projects will be taken up immediately after mobilization. 2) Resident Supervision of the Parking Areas will commence as soon as an individual subproject is designed and work is awarded. 3) Resident Supervision of Roads & chowks / crossroads / important nodes will commence as soon as each subprojects detailed design is completed and work awarded and be completed within the Contract Timeline of the Consultants. 4) Resident Supervision of Parks may not be taken in hand by the consultants unless some subproject is so small that it can be completed within the Contract Timeline of the Consultants.
	Total Contract Timeline		14 months

Detailed Design of Parking Areas, Roads, Chowks/important nodes along with street light and Parks & Green spaces)

Sr. No.	Description	Proposed Timeline for each service		Hard Copies	Soft Copies	
1	Mobilization, Inception reports, & SOPs for Contract Implementation	15 days		03	01	
2	Preparation of the Detailed Design (submission of all documents as per contract agreement for each subproject)					
a	Design of Parking Areas (16 subprojects)	First 02 months		03	01	
b	Roads (08 subprojects)	Within first 02 months		03	01	
c	Roads (08 subprojects)	Within next 02 months		03	01	
c	Chowks /crossroads / important nodes (16 subprojects)	First 03 months		03	01	
d	Parks (16 subprojects)	First 04 months		03	01	
Time period for detailed design preparation of PC-Is etc		04 months				

Total time period for Resident Supervision depending on the works undertaken in MCs (including bidding)	10-14 months				
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The detailed design time period and Resident supervision period will run in parallel

Resident construction supervision

S.N.	Deliverables	Hard Copies	Soft Copies (MS Word/Excel/PDF)	
1	Inception Report	03	01	
2	Fortnightly Progress Report	03	01	
3	Monthly Progress Reports	03	01	
4	Final Report	03	01	
5	Revised PC-I (when required)	14	01	

If the timeline for the execution of a project is extended, the resident supervision fees and the staff to be retained for the extended time, will be negotiated according to the prevailing situation at that time.