**Request for Proposal (RfP)**

for procurement of Implementing Agency for execution of complete streets

*Sample*

**Qualification criteria for bidders**

1. Average annual turnover during last three years on Construction of Civil/Roads Works not less than 60% of the estimated cost of the project (excluding maintenance cost of the project).
2. Experience of having successfully completed, during last five years, one similar work costing not less than the amount equal to 80% or two similar works each costing not less than the amount equal to 50% of the estimated cost (excluding maintenance cost of the project).
3. Experience (shall be fulfilled by all Joint Venture members) in construction in all of the following categories:
   1. Urban roads/streets, urban drains and other utilities, junction improvements, footpaths, and cycle tracks.

**Technical evaluation criteria**

|  |  |  |
| --- | --- | --- |
| **No.** | **Description** | **Max. marks** |
| **Company Profile:** | | |
| 1 | Avg. Annual Turnover last 5 years | 5 |
| 2 | Positive Net Worth last 3 years | 3 |
| 3 | Experience: | |
|  | 1. Past 10 yrs Construction Experience | 5 |
|  | 1. International Experience | 2 |
| **Contracts of Similar Size and Nature:** | | |
| 4 | Design and execution/execution of urban road projects including:   * Construction of urban roads/street * Street lighting especially at medians and kerbside * Construction for junction improvement | 20 |
| 5 | Design and execution/execution of urban road projects including:   * Footpath construction (including overground utilities, street furniture, cycle tracks, landscaping, and parking bays) | 20 |
| 6 | Laying of Underground utilities | 15 |
| 7 | Approach and Methodology | 10 |
| 8 | Resource deployment:   * The CVs of the Following personnel shall be provided in the technical proposal: Project Manager, Site Engineer, Quality Assurance Engineer, MEP (mechanical-electrical-plumbing) Expert, Horticulture/Landscape expert, Architect | 20 |
| **Total** | | **100** |
| **The minimum qualifying marks – Seventy (70)**  The financial bids of those bidders would be opened whosoever secure at least 70 points/marks in their technical Qualification Proposal as per the criteria specified above | | |

**General Scope of work**

**Pre-construction Phase**

### **Detailed Programme of Work:**

* Prepare a detailed programme showing the stages, sequence, and timing of all parts of work. It should include the resources, men, material, and equipment required with clear critical path to execute the work as per agreed implementation schedules by the employer.
* Timelines should be clearly defined. They should include estimated completion date and number of working days.
* Method statement for all works, including transport and delivery of materials, site works including earth works, hard works installation, plant protection, temporary storage, etc. should be clearly defined.

### **Procurement Plan:**

* Procurement schedule for all materials (including utility services, landscape elements, site furnishings, lighting, bus stops, public toilets, etc.).
* Existing and future availability of materials.

### **Material/Product samples:**

### All samples for material, their types and numbers are to be submitted as required and approved by the employer prior to commencement of works on site.

### Product certificates for manufactured products should be submitted.

### Landscape indicating species, height, spread, and root ball size, for final approval by the client. Any agreed substitutions to plants species or specifications should be included.

### **Site Management Plan:**

### Site arrangement layout for temporary structures, storage, utilities, etc. to be planned.

### Phasing plan to be submitted for approval to the employer prior to commencement of site work. Contractor has to ensure that there is little or no disturbance to the traffic, while planning the implementation phasing.

### Consultation will be required with the relevant authorities for construction phasing.

### **Health and Safety Plan**

### Method statements on how risks from hazards will be addressed and recorded.

### Procedures for carrying out risk assessments and risk mitigation.

### Emergency procedures including those for fire prevention and escape.

### Procedures for ensuring that all persons on site have received relevant health and safety information and training.

### **Site Waste Management Plan**

### Plan should include details on type and quantities of the waste generated including demolition waste, day to day generated waste, and safe disposal of the same, keeping in mind the environmental and social considerations, etc.

### Detail description of the waste management methods and actions.

### Record keeping procedures.

### Auditing protocols.

### **Traffic Management**

The traffic management plan shall include, but not be limited to, such items as pedestrian

walkway, signages, application and/or removal of pavement markings, roadway lighting,

methods and devices for delineation, channelisation, and placement with careful strategy

drawn out against project plan for construction activities.

The traffic management plan should be in place during construction activities and trial run. During construction, traffic management plan should address:

* Road user safety
* Traffic flow
* Reduction in delay
* Access arrangement for adjoining properties
* Pedestrian and cyclist provisions
* Parking for construction vehicles
* Incident management & emergency response plan
* Notices and community participation
* Special event traffic management plan
* Impact on structures

**Construction Phase**

## This phase starts from the date of approved Good for Construction drawings (GFC).

## **Intersection and street redesigning:**

The following items are proposed to be undertaken in this project.

1. Site clearance, demolition, earthwork, temporary work, traffic diversion, barricading the construction site, utility shifting, and all ancillary work as shown in the drawings.
2. Footpath reconstruction/retrofitting, stamped concrete surfacing, and concrete paver block finish as per design, providing parking spaces as per design with concrete finishing, provision of separate RCC type utility ducts with opening after every 10 m interval to house current and future utilities.
3. Excavation of the trenches, relocation of median, removal of existing poles/transformers, etc. and other road related facilities as per standards/drawings.
4. Shifting and providing new utility lines like stormwater, water supply, and sewer along with access chambers and electrical cables with connectivity to individual properties, feeder pillars, removal of the existing street light HT/LT poles, and provision of new decorative street light poles, etc.
5. Removal of the existing ramps, walls, compounds, fencing, encroachments on road/ footpath, and complete retrofitting of the footpaths.
6. Provision of new ramps to access property, reconstruction of compound walls (wherever required), and reconstruction of access locations to property.
7. Provision of cobbled finish at intersections and other traffic calming elements like islands, raised pedestrian crossings, etc.
8. Relocation/removal and reconstruction of existing small shops.
9. Provision of street furniture - concrete bollards, bollard seatings, FRP dustbins, bus stops.
10. Provision of street signages, informatory and cautionary signages, road markings, demarcating cycle track and other pedestrian facilities as per the design and drawings.
11. Landscaping, plantation of various species of trees, shrubs, and bushes and PVC pipe line work.

## **Other tasks: Traffic Diversion and disturbances:**

1. To conduct (one-way movement – map enclosed) trial run on the identified stretch
2. The contractor is required to submit a structured approach for the development of a traffic management strategy which shall be considered, to minimise delay and inconvenience to road users during construction of road alignment.
3. The contractor shall be responsible for the control, guidance, and protection of all road and pedestrian traffic along the entire road improvement stretch, and would manage traffic to minimise any delays and disruptions to vehicular and pedestrian access and movement.

## **Trial run:**

* The trial run is to be carried out for at least two weeks, preferably on the normal days. Before implementing the trial run, the contractor should prepare a plan of action which needs to be approved by the client and traffic police.
* The traffic management scheme to be published in the newspapers and handouts to be distributed to inform the local public of the area, starting at least two days prior to the first test run day.
* Traffic signages need to be installed at strategic locations as discussed by the traffic police.
* Along with signages, contractor would also provide bollards/traffic cones/barricades to manage the traffic at critical locations.
* Contractor has to assist traffic police by deploying sufficiently trained traffic marshals to regulate the traffic.

**Post Construction**

Post construction activities shall include defect liability and also maintenance of roads, landscape, and the utilities laid by the contractor on the smart roads. Any faults, repair and general maintenance, watering of landscape, etc. shall start from the date of practical completion for a period of 24 months and the contractor shall undertake all responsibility for defects of the equipment and landscape materials during this period.

**Special Instructions for Work Execution**

### The contractor should execute the work, causing minimum interference to the existing services in the road in co-ordination with the respective expert of the corporation.

### It is the responsibility of the contractor to execute the work, including excavation of earth and laying new elements or services as per the proposed design, in conjunction with the existing services over and below the ground level.

### Contractor has to inform the line (concerned) department immediately, if any underground services are found hindering the work, and further any re-alignment or damage of the services has to be repaired as per instruction from the line department.

### Any major deviation from the plan shall be reported immediately to the architect/ engineer in charge of the project management team.

### It is integral for the contractor to consider the required quantity and the respective amount incurred related to the existing services interfered or essential services required (only related to existing scenario), so as to execute the project related work.

### The design drawings shall be supplemented by working drawings prepared by the contractor, which are required for the execution of the works. These working drawings shall include, electrical single line drawings, mechanical drawings, piping drawings setting out construction details, layouts, utility relocation and protection, and any other detail the engineer may ask during construction.

### **Contractor’s Facilities**

## **Site offices of the contractor**

* The site office with all those provisions mentioned above shall be provided and maintained by the contractor throughout the whole construction period until three months after the issuance of the preliminary Handing Over Certificate.
* The office and its facilities, will not however be removed from the site without prior written approval of the engineer.

## **Surveying equipment**

* The contractor shall provide one approved set of surveying and measuring equipment for the sole use of the engineer’s representative.
* The contractor shall be solely responsible for the maintenance of all such instruments and equipments, and shall ensure that they are in good condition at all times.

## **Laboratory and laboratory testing**

* The contractor shall establish full-fledged field laboratory with all testing equipment for testing of the materials and finished products.
* All materials shall be tested as per Indian Standards. The rates quoted for concrete shall be inclusive of cost for establishing laboratory for testing.

## **Progress photographs and reports**

### Contractor shall submit monthly six progress photographs as part of his monthly progress report.

### Each photograph shall be mounted on A4 size chart paper on which the following information shall be written:

### Name of the project

### Location

### Type of work

### Serial number of the photographs

### Date of photographs

## **Safety on site**

* The contractor shall appoint a Safety Officer who will be in charge of all safety measures. The workers should use safety equipments like helmets, gloves, shoes, etc. for their safety.

## **As-built drawings**

### The contractor shall prepare as-built drawings and certify on these drawings that the drawings reflect the actual work executed/installed.