



**EXPRESSION OF INTEREST
FOR TOPOGRAPHICAL SURVEY OF DRAINS & ROADS IN
ROURKELA MUNICIPAL CORPORATION**

No. 8947.

Date- 25/07/2024

**EXPRESSION OF INTEREST
FOR TOPOGRAPHICAL SURVEY OF DRAINS & ROADS IN
ROURKELA MUNICIPAL CORPORATION AREA**

Rourkela Municipal Corporation proposes to undertake Preparation of Topographical Integrated Drain & Road survey and preparation of plans for Rourkela Municipal Corporation Area.


Proposals are invited to conduct the assignment and submit the deliverables from Public Sector Undertakings/Autonomous Bodies/consulting firms that have requisite experience in preparation of drainage/pipeline/sewerage network plan and infrastructure.

Details may be accessed and the EoI/application forms can be downloaded from the website: www.rmc.nic.in.

The completed application, as per instructions in the EoI document, should reach the following address by hand / registered post latest by 05.08.24 before 01.00 PM

**Commissioner
Rourkela Municipal Corporation
Udit Nagar, Rourkela - 12
Odisha, India.**

Rourkela Municipal Corporation reserves the sole right to accept or reject any or all proposals without assigning any reason whatsoever.


Commissioner

Rourkela Municipal Corporation

Memo No. 8948

Date- 25/07/2024

1. The Director, I&PR, Govt. of Odisha, Bhubaneswar for information with request to publish the same in any one of the English Newspaper and one Odia Newspaper on Date 25/07/2024

2. The MIS, RMC is for uploading of the EOI document in RMC website. i.e. www.rmc.nic.in on Date 25.07.2024.


Commissioner

Rourkela Municipal Corporation

EXPRESSION OF INTEREST FOR TOPOGRAPHICAL SURVEY OF DRAINS & ROADS IN ROURKELA MUNICIPAL CORPORATION AREA & PREPARATION OF Plan

INTRODUCTION

The local self-government for urban and rural areas of Sundargarh district was established in pre-independence period. But after independence and creation of Sundargarh as a separate district on 1st January 1948, the Local Self Government system in the district got revamped. At present there are four Urban Local bodies in the district, Rourkela is one of them.

Rourkela was declared as Notified Council with effect from 20.07.1955 as per Notification No. 6400 dt.28.07.1955 of the Health Department. There after this NAC was bifurcated into two NACs i.e. Rourkela Civil Township and Rourkela Steel Township in notification No.6211 dated 17.06.1963 of the Housing and Urban Dev. Department. Subsequently in Notification No.33390 dated 17.09.1988 of the Housing and Urban Dev. Department, this NAC (CT) was declared as Municipality and started functioning with effect from 19.09.1988 with an area of 19.78 sq. kms comprising of 12 Revenue Villages. In the year 2001, when Rourkela Steel Township declared as Industrial Township then the establishment of NAC (ST) merged with Rourkela Municipality with an area of 34.70 kms comprising of 20 Revenue Villages. In the year 2008 urban local body election, Rourkela Municipality wards are reconstituted with 33 wards.

Again, Rourkela was declared as Municipal Corporation as per Notification No.22749 dt.14.11.14 with an existing Municipality area Ward No. 1 to 33 with Jagda, Gopapali, Brahmanitarang, Sana Brahmanitarang, Jhartarang and Unit-48 (Nabakrushna Nagar, TalaBalijodi, IDL Colony, Gopabandhunagar, Bhanja Colony, Bada Sonaparbat & Dharamdihi) of 53.29 sq. Kms comprising of 26 Revenues Villages with bounded by River (Koel & Sankah) in North Side, Lathikata Panchayat Samiti area in South, Bisra Panchayat Samiti area in East and Lathikata Panchayat Samiti area in West Side.

ABOUT PROJECT

In the rainy season existing storm water drain and other tertiary drains present in Rourkela Municipal Corporation area overflows and the rainwater flows on the road surface, the roads are badly damaged due to no proper connectivity of tertiary drains to the mother drains and in the absence of storm water drainage system in the city. Sometime rain water is stagnant on the road surface accordingly Rourkela Municipal Corporation has decided to improve the storm water drain system and for ensuring connectivity of tertiary drains to the mother drains. Apart from that sometimes grievances from public such as drain choking, non-compliance of drain desilting are being noticed. In that case for ease of identification of drains the GIS mapping of all the drains is required.

OBJECTIVES / SCOPE OF THE ASSIGNMENT:

The Work shall be executed as per the requirements of Rourkela Municipal Corporation. The scope of services for topographical survey as follows:

Topographic survey using total station/DGPS/Auto Levels equipment will have to be carried out for approx. 300 acres of land parcel in Dayanand Nagar (vedvyas), Burutola (Vedvyas), P K Dash Colony (Panposh) and Jagannath Colony & fathers Colony (Panposh).

The work shall be carried out as per topographic survey specifications as mentioned below:

1. Topographical and Alignment Survey - Topographical survey using Total Station/DGPS/Auto level of the area including preparation of road plan with levels along roads/streets at 10m intervals and junctions of roads, locations such as change in gradient, road turnings, naming areas, important landmarks and green/built up area including preparation of contour map.
2. Benchmark stations shall be fixed at least six (06) locations in the project area in consultation with RMC engineer in charge including construction of bench mark pillars of RCC. The bench marks stations shall be established by Total Station Survey/Fly level survey with reference to GTS bench marks available near to or within project area or provided by client.
3. Establishing Temporary Benchmarks within the project area w.r.t the known GTS benchmark or a benchmark transferred from GTS as per point no 03.
4. UTM coordinate system shall be used for establishing the TBM /BM by DGPS survey.
5. Preparation of survey maps including plans, L-sections and Cross-sections showing all topographical/physical features to be included but not limited to - Railroad network including bridges/culverts, River, Sewerage System, localized depressions/elevations, Electrical poles, telephone poles, transformers, manholes, existing drains, trees, building lines, type of buildings (kutcha/semi pucca/ pucca /shops/houses with no. of stories etc.), and also building frontage, water supply lines, taps, bore wells, open wells, overhead tanks etc., all water bodies - lakes, streams, ponds, canals & places such as temples, temple, mast, mosque, church, grave yard, road width, type of road surface, invert level of natural nallas/pond/rivers including HFL of discharging bodies etc.
6. Locations of existing drains clearly identifying the type (open/closed/Cross-section type /kutcha/pucca, within or outside foot path), width and invert level of drain including the beginning and end of drain, sizes of drains.
7. Location of existing sewers (if any) with diameter, manholes etc, wells capacity data.
8. Mapping of existing water supply network with diameter, overhead tank with capacity and staging, UGR with capacity, pumping station etc.

9. Levels at bridges, culverts with key details such as GA, width, deck level, girder level, etc.
10. Levels at important locations like road junctions, area where there are major undulations of the ground etc.
11. The levels taken shall be sufficient enough so as to depict the true ground profile. High flood levels shall be marked on the maps for river/ nallah crossings if any.
12. Surveyor shall carry out surveys for longitudinal section (L-section) and cross section of nallah / natural drains or any other hydrological features if advised by Engineer in charge. Levels (invert level) shall be taken along the centre line of nallah / river at 25 m interval and levels at 2.5 m interval across the width of Nallah/Drain/River on either side of centre line. Details of an additional cross section shall be taken wherever the change in cross section of nallah/river. Also Obstructions/siltation shall be noted over length and width of the drain in the survey drawing.
13. The drawings shall be prepared at 1:500 scale or scale specified by client during survey with clear marking of North direction and Legend.
14. Submission of two hard copies of survey report and soft copies in MS-Word and PDF format and survey drawings along with the editable soft copy (AutoCAD format) and in GIS format. Drawings shall be prepared in the AutoCAD format with (3D format) X, Y & Z-coordinate of physical property. Also prepare plan / drawing in A0 sheet in suitable scale in AutoCAD format and submit hard and soft copies of drawing etc.

The survey agency shall deploy adequate no. of survey team with Total Station, Auto Levels, and DGPS equipment's to complete the work.

- i. You will make your own arrangement for the water and electric supply required for your operations as well as water required for potable usage during the period of the survey works.
- ii. The cost for providing local transportation, accommodation and incidental expenses for staff deployed for survey shall be borne by survey agency and are included in the above fees. Thus, the fee for services indicated in the above table is all-inclusive fee and no extra fee on any account shall be payable by RMC.
- iii. The quantities indicated in table are indicative quantities. It should be clearly understood that the quantities to be actually executed may vary from those indicated above to suit the site constraints. RMC reserves the right to modify any aspect of the scope of survey at any time till successful completion of the contract.

Data Collection:

- Maps/reports/documents related existing infrastructure of city to be collected from the client.
- The collected map/drawings are to be digitised and superimposed on survey maps.

WHO CAN APPLY

The expression of interest invited from Public Sector Undertakings/Autonomous Bodies/consulting firms having annual turnover for last 3 years, more than 30 lakhs in an year and having experience in preparation of drainage/pipeline/sewerage network plan and infrastructure.

Marking and Returning Proposals

- A. Sealed proposals must be received at the specified address no later than the closing date and time, i.e. by 1 PM of date 05.08.2024
- B. Proposals shall be submitted in English, and shall be sealed in outer and inner envelopes (Outer envelopes containing three envelopes- 1. Technical Bid, 2. DD for EMD & Document Charges and 3. Financial Bid) and all envelopes shall indicate the bidder's name and address. The outer envelope shall be addressed to The Commissioner, Rourkela Municipal Corporation, Uditnagar, Rourkela-769012, Dist.-Sundargarh (Odisha) with full address of applicant and super scribed as "EXPRESSION OF INTEREST FOR GIS BASED SURVEY OF DRAINS & ROADS IN ROURKELA MUNICIPAL CORPORATION AREA & PREPARATION OF DPR".
- C. The 1st inner envelope shall be marked Technical Proposal and addressed in the same manner as the outer envelope and shall be in the prescribed format.
- D. The 2nd inner envelope shall be marked as EMD and the 3rd envelope shall be marked Financial Proposal and addressed in the same manner as the outer envelope, and shall be in the prescribed format. The Consultant is required to submit Financial Offer for professional fee on rate contract basis. The Financial offer of those who qualify Technical qualifications (those who qualifies pre-qualification and eligibility criteria) shall be opened by informing to the qualified bidders in the presence of the bidders or their representatives, who wish to be present on the specified date and time.

Note

- I. No bidder or its Associate shall submit more than one Application for the Consultancy.
- II. The broad scope of work has been given in this document. The actual project specific scope of work & payment schedule may be modified and decided on mutually agreed terms between consultant and RMC. The rate contract fees to be paid as decided through this EOI.
- III. Information, which the bidder considers to be proprietary, should be clearly marked as such. All-information provided by the bidder will be treated as confidential and used for RMC purpose only.

**Format of Covering letter
(On the Applicant Letter Head)**

To:
The Commissioner,
Rourkela Municipal Corporation
Uditnagar, Rourkela-769012.

Dear Sir,

Sub: EOI for GIS BASED SURVEY OF DRAINS & ROADS IN ROURKELA MUNICIPAL CORPORATION AREA & PREPARATION OF DPR

We the undersigned, offer to provide Consulting service for "GIS BASED SURVEY OF DRAINS & ROADS IN ROURKELA MUNICIPAL CORPORATION AREA & PREPARATION OF DPR".

In accordance with your EOI document No. 8947 Date 25.7.24 We have examined the details given in this EOI notice, details & Performa for empanelment of firms with accomplished experience in the desired field.

1. I / We hereby certify that all the statements made, and information furnished in the enclosures is true and correct.
2. I/We have furnished all information and details necessary for EOI and have no further pertinent information to supply.
3. I / We also agree that the authorized representatives can approach individuals, employers and firms to verify our competence and general reputation.
4. I/We submit certificates in support of our suitability, technical knowhow and capability for having successfully completed the projects, in prescribed format.
5. We understand that you are not bound to accept any proposal you receive.

Signature of Applicant

Name & Designation of Signatory

Date: _____

Organizational Details

Sl. No.	Parameter	Details
1	Full Name of the Firm/Agency Organization	
2	Year of Establishment	
3	Status of Firm (Proprietorship/ Partnership/ Any other)	
5	Name of Directors/ Partners/ Proprietors with Designations	
7	Registered Full Address of the Firm	
8	Phone/ mobile No. of Authorized Person of the Firm	
9	Email ID	
10	PAN Number	
11	GST Regn. Number	
12	Paper Cost (including GST)	Rs. 4,720/-
13	EMD	Rs. 50,000/-

Copies of original documents defining the legal status, registration etc. are to be enclosed.

Place: Signature of the applicant

Date:

Name & Designation

Annexure-III

List of assignments completed in last 3 years ending 30.04.2024

Sl. No.	Name of Work/ Project with address	Short description of assignment	Name and Address of Owner/ Client	Cost of Work/ Project	Date of Start of Work/ Project	Date of Completion of Work/ Project

NOTE:

Work / Projects means similar nature of work as per the objective and broad scope of the assignment. The list of works/ project mentioned should be substantiated with documentary evidence such as work orders or contract agreement or completion certificates from the owner/ client.

Place:

Signature of the applicant

Date:

Name & Designation

List of assignments in Progress

Sl. No.	Name of Work/ Project with address	Short description of assignment	Name and Address of Owner/ Client	Cost of Work/ Project	Date of Start of Work/ Project	Any other relevant Information

NOTE:

Work / Projects means similar nature of work as per the objective and broad scope of the assignment. The list of works/ project mentioned should be substantiated with documentary evidence such as work orders or contract agreement from the owner/ client.

Place:

Signature of the applicant

Date:

Name & Designation

Annexure-V

Financial Status of Firm/ Organization

Sl. No.	Financial year	Annual Turnover (Rs.)
1	2021-22	
2	2022-23	
3	2023-24	

Note: Certified copies of audited Balance Sheets/ Chartered Accountants' Certificates to be enclosed for each financial year.

(Seal and Signature of Statutory Auditor)

FINANCIAL BID FORMAT

Sl. No.	Item Description	Unit	Rate per unit (In Rs.)
1	Carrying out Topographical survey for roads and drains including mapping of the road layout including building foot prints and all other fixtures complete as detailed out in the scope of work	Acre	

Note: The rates quoted above does not guarantee any work order, and at the time of finalization of the rates. The rates quoted above could be rationalized by the authority which will be acceptable to me/us.

The Rate will be valid for 02 (Two) Years from the date of agreement.

Place:

Signature of the applicant

Date:

Name & Designation