



**TRAFFIC SURVEY**  
**For**  
**ROURKELA SMART CITY LIMITED**  
**Rourkela**



**ROURKELA SMART CITY LIMITED (RSCL)**  
**SHORT TENDER CALL NOTICE**

**Tender No.- RSCL/17-18/408**

**Date- 24.11.2017**

Sealed tenders are invited by Rourkela Smart City Ltd. for carrying out the work of traffic survey for the proposed ABD area of Rourkela Smart City (Survey Locations are detailed out in Scope of Works) Odisha as mentioned below:

S.No.	Description	EMD	Time of Completion
1	TRAFFIC SURVEY for ABD area Rourkela Smart City	8000	21 Days

S.No.	Tender Activities	Date & Time
1	Last Date & Time of submission of Tenders	04.12.2017 at 17.00 HRS
2	Date & Time of opening technical bid	05.12.2017 at 11.00 HRS
3	Financial Bid opening	Will be Notified to Qualifying Bidders

The scope of work, technical specification, terms & conditions, BOQ are given in Detailed Tender Call Notice (DTCN) the same can be downloaded from [www.rmc.nic.in](http://www.rmc.nic.in).

The complete tender documents accompanied by an earnest money deposit (EMD) of Rs. 8000.00 (Rupees Eight Thousand only) AND Paper cost of Rs. 2000.00 in the form of Demand Draft/Banker's cheque made from any Nationalized/Schedules Bank, favoring "RSCL (Smart City Mission grant fund) payable at Rourkela. RSCL reserves the right to accept any tender or reject any or all tenders or annul this tendering process without assigning any reason and liability whatsoever.

The Technical and financial bid are to be submitted in two separate envelopes. Both the envelopes to be kept in third envelope and shall be addressed to CEO, RSCL, RDA office building, Udit nagar, Rourkela -769012 via Registered Post/Speed Post/Hand Delivered.

SD//: Ms Monisha Banerjee (IAS)  
Chief Executive Officer  
Rourkela Smart City Limited

Memo-RSCL/17-18/

Date-

Copy To: Advertising Manager Indian Express/Dharitri.

They are requested to publish the above advertisement in your newspaper by 25-11-2017

Ms Monisha Banerjee (IAS)  
Chief Executive Officer  
Rourkela Smart City Limited

## 1 SCOPE OF THE CONTRACT AND BOQ

1.1 The Work shall be executed as per the requirements of Rourkela Smart City Limited.  
The scope of services for traffic survey as follows:

1.2 A traffic survey shall be carried out at the site locations indicated and confirmed by Rourkela Smart City Ltd.

1.3 List of Proposed traffic Survey is given below and Location marked in Figure-1.

- Traffic Volume Count (TVC) for 7 Days 24 hrs
- Turning movement counts (TMC) 1 day 24 hours
- OD Survey for 1 day 24 hrs
- On Street Parking Survey for 1 day 24 hrs
- Off Street Parking Survey for 1 day 24 hrs
- Speed Delay Survey
- Pedestrian Movement Count Survey 1Day 12 Hr.
- Fuel sales data

1.4 It is intended to carry out Traffic Survey in the project site as per the detailed scope of work given below but not limited to the item description:

Sr. No.	Description	Unit		Qty	Rate	Amount
1	Traffic Volume Count (TVC) for 7 Days 24 hrs	Per	Location	4		
2	Turning movement counts 1 day 24 hours	Per	Location	17		
3	OD Survey for 1 day 24 hrs	Per	Location	4		
4	On Street Parking Survey for 1 day 24 hrs	Per	KM	5		
5	Off Street Parking Survey for 1 day 24 hrs	Per	Location	2		
6	Speed Delay Survey	Per	KM	15		
7	Pedestrian Movement Count Survey 1Day 12 Hr.	Per	Location	6		
8	Fuel sales data	Per	Location	5		
					<b>Total</b>	
					<b>Tax &amp; Duties</b>	
					<b>Grand Total</b>	

Table: 1

## 2 Evaluation Process

Employer shall constitute a Tender Evaluation Committee to evaluate the responses of the bidders. The Tender Evaluation Committee shall evaluate the responses to the RFP and all supporting documents/documentary evidence. Inability to submit requisite supporting documents/documentary evidence by bidders may lead to rejection of their bids.

The decision of the Tender Evaluation Committee in the evaluation of bids shall be final. No correspondence will be entertained outside the process of evaluation with the Committee. The Tender Evaluation Committee may ask for meetings or presentation with the Bidders to seek clarifications or conformations on their bids.

The Tender Evaluation Committee reserves the right to reject any or all bids. Each of the responses shall be evaluated as per the criteria and requirements specified in this RFP.

The steps for evaluation are as follows:

### 2.1 Stage 1: Pre-Qualification

- a. The bidder shall be a registered firm.
- b. Employer shall validate the Set 1 “RFP Document fee & Bid Security/Earnest Money Deposit (EMD)”.
- c. Financial/Price bid will not be opened for those bidders, who don't qualify the technical evaluation. Bid Security amount shall be returned for those who don't qualify the financial evaluation stage and after work order/LOI is issued to successful bidder.

### 2.2 Stage 2: Technical Evaluation

- a. Set 2 “Technical bid” will be evaluated only for the bidders who succeed in Stage 1.
- b. Employer will review the technical bids of the short-listed bidders to determine whether the technical bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Employer's discretion.
- c. The bidders' technical proposal proposed in the bid document shall be evaluated as per the requirements specified in the RFP and technical evaluation framework as mentioned in Section 4.
- d. If any clarifications required on Bidders technical proposal shall be called for meeting and presentation by Employer.

- e. Each Technical Bid will be assigned a technical score out of a maximum of 100 marks. Only the bidders who get an Overall Technical score of 70% or more in the Technical Evaluation Framework as given in Section 4 will qualify for commercial evaluation stage. Failing to secure minimum marks shall lead to technical rejection of the Bid.

### **2.3 Stage 3: Financial/Price Evaluation**

- a. All the technically qualified bidders will be notified to participate in Financial/Price Bid opening process.
- b. The Price bids for the technically qualified bidders shall then be opened on the notified date and time and reviewed to determine whether the Price Bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Employer's discretion.
- c. Price Bids that are not as per the format as per Table: 1 given above shall be liable for rejection.
- d. The bid price shall be exclusive of Goods Service Tax (GST) and other applicable taxes (if any). Taxes & Duties (if any) to be shown as extra in Indian Rupees.
- e. Commercial bids of technically qualified bidder shall be evaluated on a score of 100 points. The Commercial Score of the bidder shall be calculated with respect the lowest Total Price by technically qualified bidder. The methodology of Commercial Score shall be as follows :  
Commercial Score of the bidder under consideration = (Lowest Total Price from all technically qualified Commercial Bids / Total Price quoted in Commercial bid by the bidder under consideration) X 100
- f. If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer' estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analyses for any or all items of the price Bid, to demonstrate the internal consistency of those prices with the employers requirement, specifications, implementation methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security be increased at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract. The amount of the increased performance security shall be decided at the sole discretion of the Employer, which shall be final, binding and conclusive on the bidder.

## 2.5 Stage 4: Total Bid Evaluation

- a. The Total Score shall be based on Quality and Cost based Evaluation (QCBS).
- b. Technical Score shall have 80 % weightage and Commercial Score shall have 20% weightage.
- c. The Total Score of the bidder =  $0.8 \times (\text{Technical Score}) + 0.2 \times (\text{Commercial Score})$
- d. The bidder achieving the highest Total Score shall be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same highest Total Score, the bidder with the higher Technical Score will be invited first for negotiations for awarding the contract.

## 3 Qualification Criteria

SI	Qualification Criteria	Documentary Evidence
1	The average annual turnover of minimum INR 1 Cr. over the last Three financial years ending year 2016-17	1. Audited financial statements for the last Three financial years 2. Certificate from the Chartered Accountant on turnover details over the last three (3) financial years
2	The bidder should have completed Traffic survey in last 3 years i) One job having job value of INR 8 lacs ii) Two jobs having job value of INR 5 lacs iii) Three jobs having job value of INR 4 lacs	Copy of Completion Certificate / Work order / Reference of person under whom jobs are executed / any other document in support of successful completion of job
3	The bidder should not have been black-listed by any State / Central Government Department or Central /State PSUs as on bid submission date	Legal Attorney certified letter of undertaking to this effect on the letter head, co-signed by bidders' authorized signatory.

#### 4 Technical Evaluation Framework

The Bidder's technical proposal proposed in the Technical Evaluation bid shall be evaluated as per the evaluation criteria in the following table.

Section no.	Evaluation Criteria	Total Marks
A.	Sole bidder/Lead Bidder Profile	15
B.	Project Experience	25
C.	Proposed Design/Project Schedule for this project	25
D.	Approach & Methodology	25
E.	Proposed resources	10
Overall Technical Score Total		100

Important: Qualification criteria for technical evaluation and progression to commercial evaluation stage.

Only the bidders who get an Overall Technical score of 70% or more will qualify for commercial evaluation stage Failing to secure minimum marks shall lead to technical rejection of the Bid.

N.B- Authority (or a nominated party) reserves the right to check/validate the authenticity of the information provided in the Pre-qualification and Technical Evaluation criteria and the requisite support must be provided by the Bidder.

The following sections explain how the Bidders shall be evaluated on each of the evaluation criteria.

#### 5 Technical Bid Criteria & Evaluation

Sr. No.	Criteria Category	Evaluation Criteria Details	Max Marks allotted	Supporting Documents required
A	<b>Sole bidder/ Lead bidder Profile (Max. 15 marks)</b>			
A1		<p>The average annual turnover of minimum INR 1 Crore over the last Three financial years ending year 2016-17</p> <p>For turnover of minimum 1-2 Cr.- 5 marks            For turnover of above 2 Cr and less than 3 Cr. - 6 marks            For turnover of above 3 Cr - 7</p>	<b>7</b>	<p>1. Audited financial statements for the last Three financial years</p> <p>2. Certificate from the Chartered Accountant on turnover details over the last three (3) financial years</p>

Sr. No.	Criteria Category	Evaluation Criteria Details	Max Marks allotted	Supporting Documents required
		marks		
A2	Bidder's experience	<p>Bidders should have professional surveyors in the team or as an associate having following experience</p> <p>1. Minimum 3 years experience in Traffic Survey.</p>	<b>8</b>	The experience certificate shall be supported by work order along with completion certificate from client.
<b>B.</b>	<b>Project Experience (Max –25 marks)</b>			
<b>B1</b>		<p>The bidder should have completed Traffic survey in last 3 years</p> <p>i) One job having job value of INR 8 lacs</p> <p>ii) Two jobs having job value of INR 6 lacs</p> <p>iii) Three jobs having job value of INR 4 lacs</p> <p><b>Maximum marks = 25 marks</b></p> <p><b>For single project value of 8 lakh-100% weightage.</b></p> <p><b>For two projects value of 6 lakh each - 90% weightage.</b></p> <p><b>For three projects value of 4</b></p>	<b>25</b>	Copy of Completion Certificate / Work order / Reference of person under whom jobs are executed / any other document in support of successful completion of job



Sr. No.	Criteria Category	Evaluation Criteria Details	Max Marks allotted	Supporting Documents required
		<b>lakh each - 80% weightage.</b>		
<b>C.</b>	<b>Proposed Design for this project (Max –25 marks)</b>			
<b>C1</b>		<p>The bidder should carry out the survey as explained in RFP document and to the satisfaction of Employer.</p> <p>Marks shall be allotted as given below:            Bidders should have done Traffic survey For Rural roads and is meeting minimum Employers Criteria/Expectations = 15 marks            Bidders should have done Traffic survey For Urban Roads is as per Employers Criteria/Expectations = 20 marks            Bidders should have done Traffic survey For NH/SH and Above Employers Criteria/Expectations = 25 marks</p> <p><b>Maximum marks = 25 marks</b></p>	<b>25</b>	The Tender Evaluation Committee will give marking based on bidders past projects and presentations.
<b>D</b>	<b>Approach &amp; Methodology &amp; Solutions proposed (Max. 25 marks)</b>			

Sr. No.	Criteria Category	Evaluation Criteria Details	Max Marks allotted	Supporting Documents required
D1	Robustness & quality	<input type="checkbox"/> Adequacy, robustness and scalability of proposed technology	10	Assessment to be based on a note covering all requirements as mentioned submitted by Bidder.
D2	Understanding	<input type="checkbox"/> Demonstrated level of understanding of the scope of work and all aspects of the project	10	
D3	Assessment of Works and Mobilisation plan	Deployment strategy of Manpower <input type="checkbox"/> Contingency management <input type="checkbox"/> Mobilization of existing resources and additional resources as required	5	
<b>E</b>	<b>Proposed resources (Max. 10 marks)</b>			
E1	Proposed resources (Max. 15 marks)	For minimum qualification and experience refer clause 3.6.2 – Key Personal Criteria <input type="checkbox"/> Project Manager – 4 marks <input type="checkbox"/> Lead Surveyor – 4 marks <input type="checkbox"/> Surveyor – 4 marks <input type="checkbox"/> Field and Execution team – 3 mark	10	

## 6 TAXES, LEVIES AND PERMITS

- a) You shall arrange for camping facilities of your personnel, travel, software and equipment as required at your cost;
- b) Any additional items, if any, not included in the above mentioned herein, required for completion of sub-works, will be carried out at your expense.
- c) The prices shall remain firm and not be subjected to any escalation whatsoever throughout the execution of the Contract.
- d) Any taxes levied on consultancy services by Central, State or Local Authorities will be payable extra by RSCL at the rates applicable at the time the payments are made to Surveyor/Consultant and will be claimed as an additional item in our invoices. At present the rate of Goods & Service Tax (GST) @ 18.00% (Eighteen percent) on consultancy services is payable to the Central Government. In case, there is an increase in the rate of Goods & Service Tax (GST) or if any fresh taxes,

duties, cess and imposts are levied in the future by any Government in India, local authority/ statutory body then the same shall be payable extra by RSCL.

Should any taxes, customs and excise duties and/or any other levies whatsoever be levied by any International Government and/or any other statutory body on Surveyor/Consultant, RSCL, shall bear the same

- e) Quantity of survey mentioned is tentative and it may vary as per project requirement.
- f) Payment shall be made as per actual quantity.

#### 6.1 **TERMS OF PAYMENT**

- a) The compensation will be due and payable to you as follows:

Stage	Milestone	% of the total fee
1	Completion of field work and submission of field data and drawings.	40%
2	Submission of final drawings and reports.	40%
3	Approval of all drawings and reports.& its acceptance	20%

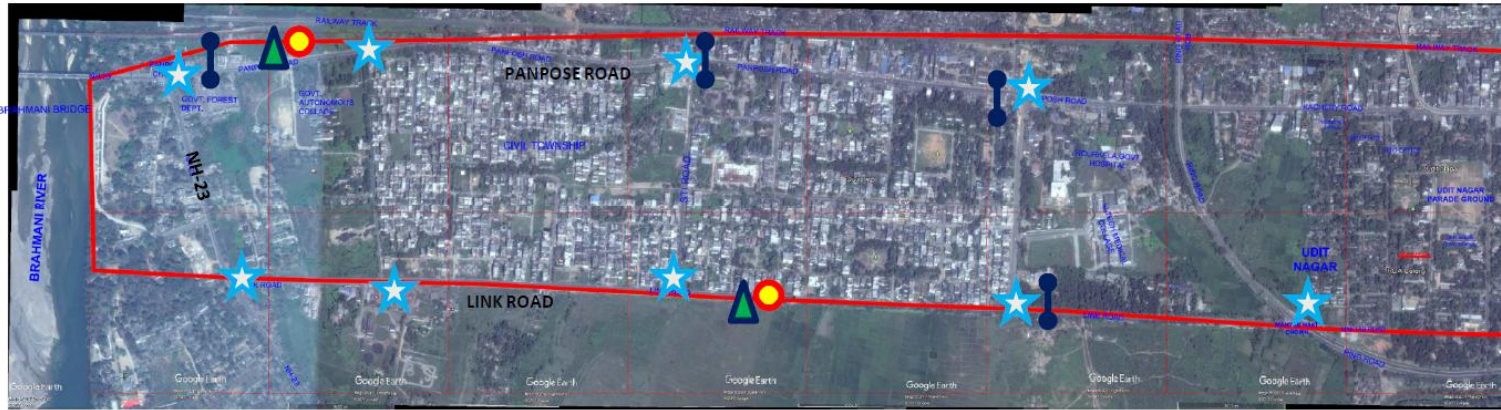
Detailed Scope of Services is mentioned below:

- b) The invoice shall be raised for the actual quantities for items executed in each segment after completion of milestones mentioned above.
- c) You shall submit the bills in printed forms and the charges in the bills shall always be entered at the rates specified in the bid or in the case of any extra work ordered in pursuance of these conditions and not mentioned or provided for in the bid, at the rates subsequently accepted by RSCL for such work.
- d) You shall not execute any additional quantities over and above the quantities mentioned, without prior approval from RSCL.
- e) If the work is not completed within 21 days due to reasons attributable to the agency 0.33% per day maximum upto 5% of the work value shall be levied.



## 6.2 **DETAILED SCOPE – Traffic Survey for Site Location**

Site location details are shown in Figure 1 below. All traffic survey should be done as described as in **IRC-SP- 19- 2001** and **MoRTH** Standard.



- Traffic Volume Count (TVC)
- ★ Turning Movement Count (TMC)
- Off Street Parking Survey
- ▲ Origin Destination Survey (OD)
- Pedestrian Movement Count

Figure 1: Site Location plan of Area Based Development Project for Rourkela Smart City

## 7 GENERAL INSTRUCTIONS

- 7.1 All survey locations must be finalized in consultation with the RSCL Engineer.
- 7.2 The legends for surveying and preparation of plans shall conform to the Survey of India and as per the list supplied by the RSCL Engineer.
- 7.3 Weekly progress report including planning program for the next week shall be provided to RSCL Engineer every week.
- 7.4 All field books note books, CDs, drawings, video and other documents (hard and soft copies) containing field data gathered during survey shall be handed over to RSCL and contractor shall have no claim or use whatsoever. The contractor/surveyor shall not reproduce any data collected from the work in any form.
- 7.5 The quoted rates shall be inclusive of all the cost of labours, materials, equipments, preparation of drawings and reports etc. and any other charges whatsoever shall not be entertained in any circumstances.
- 7.6 The RSCL Engineer or his representative will be visiting site and the engineers engaged in work shall extend cooperation and explain methodology adopted and satisfy them for accuracy of work.
- 7.7 The equipment used shall be accessible to the RSCL Engineer or his representative for inspection to ensure their suitability for the job.
- 7.8 The permissible variation in the quantity as given in the table in BOQ will be up to +10%.

## **8 GENERAL CONDITIONS**

8.1 At certain locations, RSCL may find it necessary to again carry out the traffic survey discarding the one which is already been done. The payment for the traffic survey will be made only for the area as stated in work order. All efforts shall be made by RSCL to limit such changes to the minimum.

8.2 All permissions/ permits to carry out survey work shall be arranged by surveyor.

## **9 PROJECT DELIVERABLES**

After carrying out the Traffic Survey, all details captured are to be mapped for each site location in latest version of Microsoft Excel.

## **10 TIME PERIOD FOR COMPLETION**

All work is to be completed and final survey data in soft copy (Ms Excel) are to be submitted within **21 days** of date of issue of work order.

## **11 INSPECTION AND SUPERVISION**

11.1 Periodic Inspection of the Traffic survey shall be carried out by RSCL Site Engineer.

11.2 The supervisor in charge of the work at site shall be well versed in the execution of similar Traffic survey Works.

11.3 No work is generally expected to be done at night. However, if night work is required to be undertaken to adhere to the time schedule, prior approval from RSCL is essential. In case night work is undertaken, then sufficient lighting shall be provided by you to safeguard the workmen and the public and to accord adequate facilities for proper execution and inspection of the work. However, night work if undertaken shall not entitle you to any increase in rates.

## **12 SAFETY NORMS**

12.1 All your workmen and other staff shall take safety precautions. The safety rules cover wearing of safety shoes, helmets, life jackets, belts and such other measures as directed by RSCL to ensure safety of personnel. You shall be taking all the necessary insurance required for this work at your cost. In any accident situation surveyor is

responsible. All survey work will conduct without affecting the existing traffic movement.

### **13 TERMINATION**

13.1 RSCL reserves the right to terminate this contract by not less than two days of written notice to you in case of occurrence of any of the events specified in paragraphs (a) through (e) below:

- (a) If you do not remedy a failure in the performance of obligations under this contract within 1 week of receipt after being notified;
- (b) If you become insolvent or bankrupt;
- (c) If, as a result of Force Majeure, you are unable to perform a material portion of the services for a period of not less than 15 days;
- (d) If you submit a false statement which has a material effect on the rights, obligations or interests of the Client. If you place yourself in position of conflict of interest or fail to disclose promptly any conflict of interest with us;
- (e) If you are found, in our judgment, to have engaged in corrupt or fraudulent practices in competing for or in executing the contract;

### **14 CORRESPONDENCE**

14.1 All correspondence and documents pertaining to this Contract shall be addressed to:

CEO, Rourkela Smart City Limited

RDA Office Building, Udit Nagar

Rourkela-769012

E-mail- [rourkelascl@gmail.com](mailto:rourkelascl@gmail.com)

Ph - 0661-2500388