

**rites**  
**URBAN ENGINEERING DIVISION**  
Ground Floor, Left Wing

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No. RITES/UE/Cooch Behar/2012  
Dated: 21.02.2012

**Sub:** EIA Study of proposed Rail Electronic Signal Component Factory at Coochbehar, West Bengal: **Air and Noise Monitoring.**

Sir,

RITES Ltd. is carrying out the subject study. Air and Noise quality monitoring at 3 (Three) locations is required to be carried out in Cooch Behar, West Bengal. The parameters required to be monitored with frequency and duration etc. along with the terms of payment and other terms and conditions are as per enclosed **Annexure 1 to 4.**

You are requested to send your most competitive quotation as per **Annexure -2** with **valid NABL/MoEF/SPCB** certificate and return all the above Annexures duly signed with office seal on each page as a token of acceptance of terms and conditions in a sealed cover and shall be submitted to the undersigned at the following address on or before **15.00 Hrs, March 06, 2012.**

**Dr. Akhilesh Ranjan**  
Urban Engineering  
Ground Floor, Left Wing  
RITES Bhawan,  
Plot No. 1, Sector 29,  
Gurgaon -122001  
Phone No. 0124-2818926

The quotations shall be opened on the same day at **15.30 hrs** in the presence of bidders who desires to be present. The quotation should be superscripted with "Quotation for Air and Noise Monitoring for Rail Electronic Signal Component Factory at Cooch Behar".

Thanking You.

Yours faithfully

(Akhilesh Ranjan)

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Annexure - 1

**1. Air Quality**

The project is located in Cooch Behar, West Bengal. The Tentative monitoring locations are at Near New Cooch Behar Railway Station, Project Site and the third location shall be within 10 km radius of project site. However the final locations will be decided in consultation with MITES representative.

Air quality will be monitored simultaneously as per the following parameters & frequency:

**Parameters:** PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO and HC

**Frequency:**

S. No	Description of sampling	No. of samples for one parameter for <b>one location</b> in a day	Total no. of samples in a day for all 3 <b>(three)</b> locations for one parameter	Total no. of samples for all 3 <b>(three)</b> locations for all <b>six</b> parameters
1	8 hourly sample for 24hours	3	3x3x1=9	9x6=54
<b>TOTAL NO. OF SAMPLES</b>				<b>54</b>

**2. Noise Quality**

Noise levels will be monitored at each of the above 3 **(Three)** locations. The proposed noise levels monitoring programme is given as under:

**Proposed Monitoring Programme for Noise Quality**

Monitoring	Parameters to be monitored	Sampling Duration	Reporting of Results
Noise Levels	dB(A)	On hourly basis in the time bracket of 08-10, 12-14, 16-18 & 24 -02 hours in order to have an assessment of the Day and Night time noise levels.	The results of the noise quality shall be reported as Leq, L <sub>10</sub> , L <sub>50</sub> , L <sub>90</sub> , L <sub>max</sub> , L <sub>min</sub> , L <sub>day</sub> , L <sub>night</sub> , L <sub>DN</sub>

**OUTPUTS**

- The original data, photographs of monitoring at site results and reports along with conclusion and recommendations as per the scope of work shall be submitted to MITES in MS Word and Excel on CD disc along with three hard copies.

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Annexure – 2

S.No	As per Annexure – 1	Total Cost ( ` )	
		In Figure	In Words
1	Air Quality & Noise Quality for 24 hrs at 3 <b>(Three)</b> locations in Cooch Behar, including all expenses (Travelling, lodging, DG set/Electric connection and taxes)		

Note: The cost quoted shall be inclusive of all expenses and taxes.

(Signature of Contractor/Sub-Consultant)

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Annexure - 3

**TERMS OF PAYMENT**

S. No	Activity	Payment
1.	After satisfactory completion of field work & monitoring and submission of draft report.	50% of the total amount
2.	After submission of final report.	50% of the total amount

Note: All the payments will be made through following RTGS format. Contractor/Consultant are requested to fill the following RTGS format

**RTGS FORM**

S. No	Activity	Payment
1.	Name of Bank	
2.	Name of the Account Holder	
3.	Account Holder	
4.	Address of Branch & Tel. No./Fax	
5.	IFSC code	
6.	NEFT Code	
7.	Type of Account	
8.	City	

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**Annexure – 4**

**TERMS AND CONDITIONS**

1. The total time for completing the work shall be **20 days** from the date of award of work / intimation for start of work.
2. The contractor shall not be allowed to further sub-contract any part of the work allotted to him.
3. All works shall be done to the desired accuracy and standards as per governing specifications.
4. In addition the delay in completion of the job due to reasons attributable to the contractor shall attract penalty @ 2% per week delay or part thereof for the delayed work subject to a maximum of 10% of the face value of the work order.
5. Firm will have to organize this work at site immediately on issue of letter of Award/ intimation for start of work and will complete the monitoring within stipulated.
6. During field investigation, if it is found that monitoring has not been done for the work or part thereof as per the scope of work, it will lead to penalty amounting up to 100% of the value of the work so affected.
7. **Arranging Electric Connection/Gen. Set for monitoring purpose will be the responsibility of the bidder.**
8. **The contractor shall submit soft/hard copies of photographs of air and noise monitoring of each station.**
9. If at any time any question, dispute or difference whatsoever called arise between RITES and the firm with regard to or in relation to or in connection with the progress of work and/or after completion, the decision of GGM (UE) shall be final in this regard.
10. 'Force Majeure' as embodied in this contract shall mean, war declared or undeclared civil war, forest fire, major flood and earthquakes subject as elsewhere herein or in the contract documents expressly provided. Only the existence of 'Force Majeure' circumstances as defined in this clause hereof shall afford the contractor a ground for extension of time for any operation (s) involved therein, strike, shut down, third party breach, delay in payment or commercial hardship shall not afford the contractor a ground for extension of time or relieve the contractor of his/her obligations under the contract nor will any shut down or late time charges be payable by the client to the contractor for any delay in the commencement progress or completion of the work due to any reason whatsoever, inclusive due to the existence of Force Majeure circumstances.
11. As soon as the cause of Force Majeure is removed, the party, whose ability to perform its obligations has been affected, shall notify the other of such cessation and of the actual delay incurred in such affected activity adducing necessary evidence in support thereof. From the dates of occurrence of a case of Force Majeure, obligations of the party affected shall be suspended during the continuances of any inability so caused until the cause itself and the inability resulting there from have been removed and the agreed time of completion of the respective obligations under this contract shall stand extended by a period equal to the period of delay occasioned by such events.

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12. Should one or both parties be prevented from fulfilling the contractual obligations by a state of Force Majeure lasting for a period of six months or more, the two parties shall consult each other and decide regarding the future execution of this contract.
13. **ARBITRATION:** Wherein there is a conflict as regards the interpretation of clauses, scope of work, changes in the scope due to modifications/suggestions of the client, the matters will be mutually settled between RITES Ltd., & consultant/contractor. In case of any difference of opinion, the matters shall be decided by ED/RI/RITES. In case the conflict between the two parties is not mutually settled, then the Arbitration shall be conducted in accordance with the provisions of Arbitration and Conciliation Act, 1996.

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