

**BHARAT HEAVY ELECTRICALS LIMITED****(A Govt. of India Undertaking)****ELECTRICAL MACHINE REPAIR PLANT**

Plot No.D-1, Cross Road 'C', Road No.16, MIDC, Andheri (East),

**MUMBAI – 400 093**

[t2835 8707 / 2835 8711, Fax No. 022-28231161/28364587

E mail : csdeolikar@bhel-emrp.com //suresh@bhel-emrp.com

**NOTICE INVITING TENDER.**

BHEL/EMRP/SC/W/210463554

Date: 10.05.2016

W.O.No. 5893-14

Project: Rammam III HEP (W.B)

M/s. ....  
.....  
.....  
.....

**Sub: NIT for Soil Resistivity Measurement test at various locations of Rammam III HEP site (West Bengal)**

Sealed tender is invited in two bid system for "Soil Resistivity Measurement test at various locations" as per Soil Resistivity Measurement Methodology doc. no. EM-RMM-14–SR-01 Rev.01. (Pg.01 to 12) for Rammam III site (West Bengal). You are requested to submit your most competitive offer for the subject test as per price proforma enclosed.

Rammam III site Hydro Electric project (3 x 40 MW) is a surface power station is run of river scheme project & it is situated about 150 kms. away from Bagdogra / Siliguri district of Darjeeling. Darjeeling town is 50 kms. away from the project.

**A – Scope of Work**

Sl.	Measurement of soil electrical resistivity to be done at the following locations
1	Power House Building (including service bay area & central control building)
2	Generator Transformer yard area (including 132 KV cable trench to switch yard)
3	EM Building at 132 KV switchyard
4	Tail Race Tunnel
5	TRT Outfall Area
6	BF Valve House & Surge Shaft Area
7	Barrage Control Building & associated area

**B – Technical Terms & Conditions:**

1. Battery operated earth resistance measuring kit of reputed make, with electrodes & necessary accessories shall be arranged by the vendor / testing agency.
2. Earth resistance measuring kit used during testing should be well calibrated with latest calibration done not more than one year ago. The vendor or testing agency has to attach the certificate in its final report.
3. All miscellaneous items required for performance of the soil resistivity tests e.g., tools, tackles, drill machine and drills shall be arranged by the vendor / testing agency.

4. Methodology of soil measurement approved by M/s NTPC (end customer) is attached herewith. Vendor / testing agency has to follow the methodology while performing the tests.
5. Final report shall be prepared and submitted by the testing agency in line with the approved Soil Resistivity Measurement Methodology document no.EM-RMM-14-SR-01. Three (3) nos. of hard copies & two (2) nos. of DVDs containing soft copies of the latest report shall be submitted. All the areas where the soil resistivity measurement test is to be conducted shall be indicated in the layout drawing with reference points and to be part of soil resistivity measurement test report.
6. Following reference drawings of 'General Arrangement Project Layout Plan is attached.
  - Drg. No 5602-305(R2) PEC-C-001 Rev.0
7. Please quote in India Rupee (INR) only. Offer quoted in other currency will NOT be ACCPETED.

### **C – Scope of Contractor**

1. Soil resistivity measurement testing for the above job shall be arranged by the contractor.
2. All execution of the work such as drilling etc., shall be arranged by the contractor including equipment testing unit tools & tackles.
3. Man power required for the job shall be arranged by the contractor.
4. Watch & ward of the site during execution of the work shall be in contractors' scope.
5. Contractor should take the insurance of all their men at work and material too.

### **Important Note:**

1. **The offers of the bidders who are on the banned list, as also the banned list of offers of the bidders, who engage the services of the banned firms , shall be rejected . the list of banned firms available on BHEL site [www.bhel.com](http://www.bhel.com)**
2. **“MSE suppliers can avail the indented benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed as per Annexure – I) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE suppliers till the supplier submits these documents.”**
3. **The bidder along with its associates / collaborators / sub-contractors / /sub-vendors / consultants / service providers / shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice od BHEL management about any fraud suspected fraud as sson as it comes to their notice.**

Commercial terms & conditions, General terms & conditions and Procedure for submission of tender is enclosed herewith offer should be submitted strictly in accordance with the same.

**Tender Enquiry No.** : BHEL/EMRP/SC/W/ 210463554 dated.10.05.2016

**Tender Submission date** : 31.05.2016 up to 2.00 pm.

**Tender Opening date** : 31.05.2016 at 2.30 pm. in conference Hall.

Anticipating your reply,

Yours faithfully  
For Bharat Heavy Electricals Ltd.

  
10/05/16  
SR. DGM (Operations)

Encl:A/a

1. General Arrangement Project Layout Plan Drg. No. 5602-305 (R2) –PEC-C-001 Rev.0
2. Soil Resistivity Measurement document No. EM-RMM-14-SR-01

Tender Enquiry No. / BHEL/EMRP/SC/W/210463554 date 10.05.2016

Bidder's Ref No: \_\_\_\_\_

**PROFORMA FOR DEVIATION TO TENDER TERMS SOUGHT BY BIDDERS**

BHEL expects the bidders to fully accept the terms and conditions of the NIT. However, deviations if any considered essential by the bidder may be communicated in the following proforma. **Deviation not listed in the following deviation proforma, even if mentioned else where in the offer document shall not be considered**

Sr. No.	Clauses	Accepted	Not Accepted	Deviation
<b>A</b>	<b>Scope of Work</b>			
1	Measurement of soil electrical resistivity test to be done at various locations (as mentioned)			
<b>B</b>	<b>Technical Terms &amp; Conditions</b>			
1	Battery operated earth resistance measuring kit of reputed make, with electrodes & necessary accessories shall be arranged by the vendor / testing agency.			
2	Earth resistance measuring kit used during testing should be well calibrated with latest calibration done not more than one year ago. The vendor or testing agency has to attach the certificate in its final report.			
3	All miscellaneous items required for performance of the soil resistivity tests e.g., tools, tackles, drill machine and drills shall be arranged by the vendor / testing agency.			
4	Methodology of soil measurement approved by M/s NTPC (end customer) is attached herewith. Vendor / testing agency has to follow the methodology while performing the tests.			
5	Final report shall be prepared and submitted by the testing agency in line with the approved Soil Resistivity Measurement Methodology document no.EM-RMM-14-SR-01. Three (3) nos. of hard copies & two (2) nos. of DVDs containing soft copies of the latest report shall be submitted. All the areas where the soil resistivity measurement test is to be conducted shall be indicated in the layout drawing with reference points and to be part of soil resistivity measurement test report.			
6	Following reference drawings of 'General Arrangement Project Layout Plan is attached. •Drg. No 5602-305(R2) PEC-C-001 Rev.0			

7	Please quote in India Rupee (INR) only. Offer quoted in other currency will NOT be ACCPETED.			
<b>C</b>	<b>Contractors' Scope</b>			
1	Soil resistivity measurement testing for the above job shall be arranged by the contractor.			
2	All execution of the work such as drilling etc., shall be arranged by the contractor including equipment testing unit tools & tackles.			
3	Man power required for the job shall be arranged by the contractor.			
4	Watch & ward of the site during execution of the work shall be in contractors' scope.			
5	Contractor should take the insurance of all their men at work and material too.			
<b>D</b>	<b>Commercial Clauses:</b>			
1	Price clause 1.1			
2	Validity clause 1.2			
3	Price Variation clause 1.3			
4	Work Completion clause 1.4			
5	Work Place clause 1.5			
6	Payment Terms clause 1.6			
7	Taxes & Duties clause 1.7			
8	Inspection clause 1.8			
9	Insurance clause 1.9			
10	Interpretation clause 1.10			
11	Evaluation Criteria clause 1.11			
12	General Terms & Conditions clause 1.12			

We confirm acceptance of all other terms and conditions of NIT

Signature of the bidder  
Seal of the company

**Pre-Qualification Criteria**

**Tender Enquiry No. / BHEL/EMRP/SC/W/210463554 date 10.05.2016**

**Bidder's Ref No:** \_\_\_\_\_

1. Bidder should have relevant experience in this field of work as required, bidder to submit relevant documents e.g., previous work orders, certificate for support of the same.
2. Vendor should submit copy of PO for the execution / completion of similar work as mentioned above in last seven years.
3. Average annual financial turnover during last three years ending 31<sup>st</sup>. March of the previous financial year should be at least Rs. 5 lakh.
4. Bidder has to submit along with their offer : IT return, Service Tax No., PAN No. and other relevant licenses / certificates etc.,

**Note: Necessary supporting documents should be submitted along with the technical bid**

Authorized Signatory  
With seal & stamp of the company

Tender Enquiry No. / BHEL/EMRP/SC/W/210463554 date 10.05.2016

Bidder's Ref No: \_\_\_\_\_

**Proforma for Price Bid Part "B"***(Amount in Indian Rupees)*

Sl.	Description	Qty. Nos.	Unit Rate per / Nos. as per total cost to BHEL as per break below	Total Price
01	Soil Resistivity Measurement test at various locations	Lump sum		

**Break-up of above total unit rate:***(Amount in Indian Rupees)*

Sr. No.	Description	Soil Resistivity Measurement test at various locations
1	Basic unit rate for Lump sum.	
2	Service Tax , if any (Specify rate)	
3	Any other (Specify)	
4	Total (1+2+3)	

**Note:**

- Vendors should clearly indicate the rates of taxes and duties applicable as per above Proforma.
- Final evaluation shall be carried out after considering CENVAT / VAT credit available to BHEL.
- Vendor to confirm relevant documents will be provided to BHEL for availing CENVAT /VAT credits s should confirm place of dispatch of material to enable decision on applicability of Octroi at Mumbai.

Authorized Signatory, with  
Seal of company

## 1. COMMERCIAL TERMS AND CONDITIONS

1.1 **Price clause:** Price should be quoted strictly as per proforma for price bid. **Price to be inclusive of all the factors taken in to consideration whichever comes in the scope of the contractor.** Price will be calculated on the basis of total landed cost to BHEL as per the price proforma.

1.2 **Validity clause:** Price offered to be valid for a period of 90 days from the date / extended date of opening of the Technical –bid opening.

1.3 **Price Variation clause:** Price offered shall remain firm and valid till complete execution of the order / work without any escalation / increase in price for any reason whatsoever..

- **Work Completion Period clause:** As per site requirement (Approximately 3 to 4 weeks) from the date of issue of P.O. / LOI (**Plus one week grace period for mobilization**)

1.4 **Work Place clause:**

Site Address
BHEL Site Office <b>Rammam Stage III Hydro Electric Project</b> Sajbotay Post office Kolbong 734201 <b>District: Darjeeling (West Bengal)</b>

1.5 **Payment Terms clause:** Payment of 100% of order value will be made within 90 days (45 days for MSE vendors covered under MSME act – furnish Annexure A duly certified by CA) after receipt of clears bills along with all relevant supporting form (applicable to every bills) with proof of completion with satisfactory execution of the work in totality certified by NTPC and / BHEL representative or site in-charge.

- Payment will be made through e-payment only. Vendor shall submit bank details if not submitted earlier.
- In case of any deviation to the payment terms mentioned above, loading shall be done on basic price with PLR (prime lending rate) of SBI + 2% the period of relaxation sought by the bidder (PLR shall be considered from the date of technical bid opening).

1.6 **Taxes & Duties:** Bidders to clearly specify the taxes and duties applicable on the date of submission of offer. However, any statutory variation in the rates and taxes and duties shall be considered and actual rates applicable at the time of dispatch of material shall be payable at actual against documentary evidence.

1.7 **Insurance clause:** All insurance for men at work & material at site shall be contractors' scope.

1.8 **Inspection clause:** Inspection report to be submitted.

1.9 **Interpretation of contract clause:** In case of two or more interpretations or differences in any of the technical specifications or terms and conditions of the contract then the interpretation which is in favour of BHEL shall be final & binding.

1.10 **Evaluation Criteria:** Price evaluation shall be on the basis of total landed cost of the test conducted to BHEL.

1.11 **General Term & Conditions clause:** Vendor to agree all the general terms & conditions clauses 3.1 to 3.5 and confirm acceptance.

## **2. PROCEDURE FOR SUBMISSION OF TENDER**

- 2.1 Bidder shall submit the offer in two bid system in two different sealed covers.
- 2.2 Part 'A': Techno-Commercial Bid
- 2.3 Part 'B': Price Bid
- 2.4 Tender No., date and due date of opening should be written on both the covers.
- 2.5 These two covers shall then be placed in a large cover and sealed. The large cover should also have Tender no., Date and Due Date. This should be dropped in the tender box placed at the entrance of our works before due date and time.
- 2.6 Part 'A' - Techno Commercial Bid: Techno Commercial Bid shall contain technical and commercial offer as per NIT Proforma, indicating acceptance of NIT terms, as per Annexure-I. Acceptance of all technical and commercial terms and conditions given in the format Annexure I. (No Deviation certificate and deviation Proforma), duly filled in signed as required. Blank price-bid performa indicating only rates of taxes and duties applicable without rate / price of material should be enclosed with the techno-commercial bid Part A
- 2.7 Any deviation in the above mentioned terms and conditions or conditional offer may render the offer invalid and shall be liable to be rejected, and price bid of such bidders shall not be opened. Price bid of only those bidders shall be opened whose Techno-Commercial offer is found suitable and acceptable.
- 2.8 Part 'B': Price Bid Part B should contain only the price duly filled in Price Bid Performa Annexure II, without any terms and conditions. Any terms and conditions, if mentioned in the price bid, shall be ignored and not considered.

## **3. GENERAL TERMS AND CONDITIONS**

- 3.1 BHEL reserves the right to reject the offer and or award the work in full or part without assigning any reason.
- 3.2 Tender should be free from over writing and erasers, additions if any must be attested.
- 3.3 Purchase Order will be subject to general conditions of purchase prevailing in Bharat Heavy Electricals Limited.
- 3.4 Any dispute arising out of this shall be referred to the sole arbitration of Unit Head, BHEL, EMRP, Mumbai OR any other officer nominated by him and his award shall be final and binding on the parties. The venue of the arbitration in all cases shall be Mumbai.
- 3.5 All suits in respect of this NIT shall be in the courts of Mumbai.

*Sgubta*  
10/05/16  
Sr. DGM (Operations)

**Annexure – A**

**Certificate by Chartered Accountant on letter head**

This is to certify that M/s. \_\_\_\_\_  
(hereinafter referred to as company) having its registered office at \_\_\_\_\_

Is registered under MSMED act 2006.

Entrepreneur Memorandum No. (Part II) \_\_\_\_\_ dated \_\_\_\_\_ category \_\_\_\_\_ (micro / small) ..... (Copy enclosed).

Further verified from the books of accounts that the investment of the company as on date \_\_\_\_\_ as per MSMED act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e., original cost excluding land and building and the items specified in the ministry of small scales industries vide its notification no. S.O.1722 (E.) dated October 05, 2006 is Rs. \_\_\_\_\_ Lacs.
2. **For Service Enterprises:** Investment in plant and machinery (i.e., original cost excluding land and building and furniture fittings and other items not directly related to the services rendered or as may be notified under the MSMED act 2006 is Rs. \_\_\_\_\_ Lacs.

The above investment of Rs. \_\_\_\_\_ Lacs is within permissible limit of Rs. \_\_\_\_\_ lacs for \_\_\_\_\_ Micro / Small (strike off which is not applicable) category under MSMED act 2006.

Date: \_\_\_\_\_

(Signature)

Name: \_\_\_\_\_

Membership No. \_\_\_\_\_

Seal of Chartered Accountant