



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 8751/2835 8715, Fax No. 022-28231161/28364587

•E mail : rkkandia@bhel-emrp.com / avrojit.roy@bhel-emrp.com]

NOTICE INVITING TENDER.

BHEL/EMRP/PUR/K/300380

Date: 10.11.2012

W.O.No. 90

M/s.
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Sub: NIT for Supply of material:

Sealed tender are invited in two bid system for supply of DIGITAL TAN DELTA TEST EQUIPMENT AS PER TECHNICAL SPEC EMRP-TS-EM-001 REV. 00 (fully automatic capacitance and tan delta test kit) AS PER ATTACHED SPECIFICATION (QTY. 01 Set)

1. Technical Terms & conditions:

1.1 Supply of DIGITAL TAN DELTA TEST EQUIPMENT AS PER TECHNICAL SPEC EMRP-TS-EM-001 REV. 00 (fully automatic capacitance and tan delta test kit)

1.2 Acceptance Norms: As per ATTACHED SPECIFICATIONS.

Note:

- a. **Evaluation Criteria:** Price evaluation shall be on the basis of total landed cost of the item to BHEL, EMRP, and Mumbai.
- b. BHEL may conduct reverse auction for techno-commercially qualified bidders through electronic media.

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.

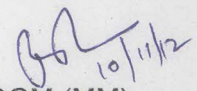
Tender Enquiry No. : BHEL/EMRP/PUR/ K/300380 DTD. 10.11.2012

Tender Submission date : 01.12.2012 up to 2.00 pm.

Tender Opening date : 01.12.2012 at 2.30 pm. in conference Hall.

Anticipating your reply,

Yours faithfully
For Bharat Heavy Electricals Ltd.


10/11/12
DGM (MM)
(R. K. Kanodia)

Encl:A/a

Annexure I

Annexure I

Tender Enquiry No. /EMRP/PUR/K/300380 DTD. 10.11.2012

Bidder's Ref No: _____

NO DEVIATION CERTIFICATE

We here by accept and agree to all the Techno-Commercial & general terms & conditions given in the above referred tender enquiry without any deviation.

Authorized Signatory,
With seal of the company

OR

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	Cost Implication
1	Technical clause 1.1 to 1.2 & Technical Compliance Sheet (Annexure – III attached)				
2	Commercial Clause: Price clause 1.1				
3	Price variation clause 1.2				
4	Validity clause 1.3				
5	Delivery required clause 1.4				
6	Delivery place clause 1.5				
7	L. D. Clause 1.6				
8	Packing & Forwarding cl 1.7				
9	Payment terms clause 1.8				
10	Transportation clause 1.9				
11	Taxes & duties clause 1.10				
12	Transit insurance cl. 1.11				
13	Octroi clause 1.12				
14	Inspection clause 1.13				
15	Reverse Auction Clause 1.14				
16	General terms & conditions clause 3.1 to 3.5				

We confirm acceptance of all other terms and conditions of NIT

Signature of the bidder
Seal of the company

Note: It may be noted that offers with deviation without price implications are liable to be rejected

Annexure II

Tender Enquiry No: .EMRP/PUR/ K/300380 DTD. 10.11.2012

Bidder's Ref No: _____

Proforma for Price Bid Part "B"

Description	Qty. Nos.	Unit Rate per / Nos. as per total cost to BHEL as per break up below in Rs.	Total Price
DIGITAL TAN DELTA TEST EQUIPMENT AS PER TECHNICAL SPEC EMRP-TS-EM-001 REV. 00 (fully automatic capacitance and tan delta test kit). Inclusive of all costs as per tender specification (Like Packing / Forwarding & Transportation, etc.,)	01		

Break-up of above total unit rate:

(in Rupees)

Sr. No.	Description	DIGITAL TAN DELTA TEST EQUIPMENT AS PER TECHNICAL SPEC EMRP-TS-EM-001 REV. 00 (fully automatic capacitance and tan delta test kit)
	Basic unit rate for each no.	
	Excise duty (Specify rate)	
	CST / VAT (Specify rate)	
	Transportation charges (Specify)	
	Any Other (Specify)	

Note:

1. Vendors should clearly indicate the rates of taxes and duties applicable as per above Proforma.
2. Final evaluation shall be carried out after considering CENVAT / VAT credit available to BHEL.
3. Vendors should confirm place of dispatch of material to enable decision on applicability of Octroi at Mumbai.

Authorized Signatory, with
Seal of company

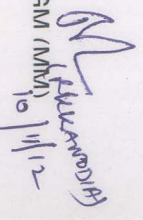
1. **COMMERCIAL TERMS AND CONDITIONS**

- 1.1 **Price:** Price should be quoted for supply of material in full quantity.
- 1.2 **Price variation clause:** Price offered should remain firm till the supply of material.
- 1.3 **Validity:** Your offer should be valid for a period of 60 days from the date of opening of the Techno-Commercial Bid extendable further for 30 days.
- 1.4 **Delivery Required** Within **04 months** from the date of issue of P.O. / LOI. Any deviation in the delivery period will be loaded as per LD clause to arrive at landed cost to BHEL.
- 1.5 **Delivery Place:** Free delivery to our stores at BHEL, EMRP, MIDC, Andheri (E), Mumbai-400 093.
- 1.6 **L D Clause:** LD @ 0.5%per week shall be deducted from the bill subject to maximum of 10 % of the basic price, if the material is not delivered within the contractual delivery period as per purchase order. LD shall be applicable for the item / no. of items supplied beyond contractual delivery period and not for the total order quantity
- 1.7 **Packing & Forwarding:** Vendor should duly pack all the material in wooden boxes to avoid any damage during transit. BHEL reserves the right to reject the material if not properly packed or found damaged. Vendor may quote packing charges separately in price-bid
- 1.8 **Payment Terms:** Our standard payment terms are **45days** from the date of receipt of the material in our stores. In any case payment against Proforma invoice shall **not** be payable.
- Payment will be made through e-payment only. Vendor shall submit bank details if not submitted earlier.
 - Progressive payment can be made after deduction of LD, if any as and when the item(s) is received and accepted at our stores.
- 1.9 **Transportation:** BHEL prefers free delivery to our stores, *if vendor offers price ex-works; they should clearly specify the transportation charges in their price-bid.*
- 1.10 **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.
- 1.10.1 **Excise Duty:** Excise duty shall be paid as applicable against CENVAT / **Excisable** invoice, for evaluation of bid, prevailing rates will be considered.
- 1.10.2 **Sales Tax:** Extra at actual against Form 'C' shall be paid wherever applicable for outside Maharashtra suppliers. For suppliers within Maharashtra, VAT shall be paid as applicable against Tax invoice. For evaluation of bid, prevailing rates will be considered.

- 1.11 **Transit Insurance:** Material shall be insured by BHEL, vendor shall inform dispatch details well in advance to arrange for the transit insurance.
- 1.12 **Octroi Charges:** Octroi, Octroi service charges OR any other Octroi related charges at Mumbai, as applicable, shall be borne by BHEL approved octroi agents. However, successful bidder shall be given the details of our octroi agent before delivery.
- 1.13 **Inspection:** Material will be inspected at vendors work by BHEL approved agency before dispatch or on receipt of material at our works.
- 1.14 **Reverse Auction:** For this enquiry BHEL may conduct reverse auction for techno-commercially qualified bidders through electronic media. All General terms & conditions of Reverse Auction as per Annexure IV

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. **Technical Compliance Sheet (Annexure III)** is also to be submitted along with **Part 'A' - Techno Commercial Bid**. Blank price-bid proforma 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 Proforma 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.


NGM/MN/10/11/12



DESCRIPTION FOR BHEL REQUIREMENT

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1	<p>Purpose: Automated PC based Digital C,L & Tan Delta (Dissipation Factor) Measuring Bridge is required for electrical testing of solid and liquid dielectric materials and equipments. It should have built-in power supply and standard capacitance having noise suppression features and filter circuits. Separate Calibration standard box of minimum three number of Tan Delta & Capacitance value shall be given alongwith system.</p>	Vendor to confirm																																																																																							
2	<p>Scope : The offer shall cover following items:</p>																																																																																								
2.1	Capacitance & tan δ Measurement System																																																																																								
2.2	Interconnection leads (02 Sets)	Vendor to Specify																																																																																							
2.3	Operating /Configuration Software.	Vendor to Specify																																																																																							
2.4	Any other essential accessories	Vendor to Specify																																																																																							
2.5	Capacitance & Tan Delta Standards to verify the bridge.	Vendor to Specify																																																																																							
3	<p>Specification of Capacitance and Tan δ Measurement System</p>																																																																																								
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DESCRIPTION FOR BHEL REQUIREMENT

Clause No	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED/ TO BE CONFIRMED BY VENDOR	OFFERED	DEVIATION	REMARKS
3.1.21.	Measuring time	0.3 sec/ measurement @ averaging =1			
3.1.22.	Minimum interfaces	Ethernet 4, RS232, 4, USB, Firewire, Mouse (PS2), Keyboard (PS2)			
3.1.23.	Minimum data formats	XML, CSV			
3.2	The Tan delta test equipment shall be suitable for testing upto 20kV. In case the main testing is not capable upto 20kV, separate HV supply unit of 20kV, 1 Amps with standard capacitor of 20kV, 100pF may be provided but the system must be integrated as single unit and the operating software must support the external HV set.	Vendor to Specify			
3.3	The system shall have inbuilt Long term Stable Standard capacitor having following specification:				
3.3.1	Capacitance Value : 100pF				
3.3.2	Dissipation Factors (Tan δ) Value : 0.00002 or Lower	Vendor to Specify			
3.3.3	Capacitance Constancy : Better than 0.01% per year	Vendor to Specify			
3.4	The system shall have inbuilt temperature correction facility for different Insulating Materials.	Vendor to Specify			
3.5	Safety Features : The system shall comply IEC/EN 61010-1, 2002	Vendor to Specify			
3.6	Physical & Power Requirement:	Vendor to confirm			
3.6.1	The size of the system should be portable and easily movable by trolley and shall not take laboratory space more than 4 x 6 feet.				
3.6.2	The Calibrator shall work on 230V ± 10%, 50Hz Power Supply. All power supply Protection Devices (if required)	Vendor to confirm			
3.6.3	Operating Temperature Range : 10°C to 50°C	Vendor to Specify			
3.6.4	Operating Humidity Condition : 3% Rh to 90% Rh	Vendor to Specify			
3.7	Operation and Copntrol (Through Software) :	Vendor to Specify			
3.7.1	The system shall have facility to operate and control through external Laptop / PC by remote interfaces				
3.7.2	Windows based application to configure and to operate the system through PC shall be supplied alongwith system	Vendor to confirm			
3.7.3	The software application shall include manual and automatic operation through self explanatory graphical user interfaces on LP/PC Screen.	Vendor to Specify			
3.7.4	The application shall have capability to record the data and to generate and print the customised test report.	Vendor to confirm			
3.7.5	The software shall have ability to analyse the data.	Vendor to confirm			
3.7.6	The requirement of Compatible PC / Laptop and other accessories necessary for software application shall be clearly mentioned in offer. (PC/LP shall be in the scope of BHEL)	Vendor to confirm			
4	Calibration Certificate of Capacitance and Tan Delta Measurement System and its options issued by valid accredited (ISO 17025) calibration agency, covering minimum and maximum points all parameters shall be supplied alongwith system.	Vendor to confirm			

**DESCRIPTION FOR BHEL REQUIREMENT**

Clause No	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED/ TO BE CONFIRMED BY VENDOR	OFFERED	DEVIATION	REMARKS
5	General Requirements:				
5.1	Commission and proving of system is to be done at BHEL, Bhopal.	Vendor to Confirm			
5.2	The equipment should be guaranteed in respect of design. Material construction operation and against my manufacturing defects for a period of 24 months from the date of supply or 18 months from the date of commissioning, whichever is later and 4 copies of guarantee certificates are to be furnished free after sales service is to be provided during the guarantee period.	Vendor to Specify			
5.3	Four sets of Operation and Service Manual shall comprise of Operating procedure, calibration procedure, trouble shooting charts, circuit diagram and parts list etc.	Vendor to Confirm			
5.4	Rigid packing for all item of complete equipment, all accessories and other supplied items to avoid any damage / loss in transit	Vendor to Confirm			
5.5	The supplier shall provide training to minimum two executives on detail operation of system at BHEL, Bhopal.	Vendor to Confirm			
5.6	Supplier shall enclose the leaflets / datasheet having detail specification, Model No. and Manufacturers Name of items to be quoted	Vendor to Confirm			
5.7	Supplier shall enclose the list of spares alongwith price to maintain the system	Vendor to Confirm			
5.8	Equipment should meet all points of our above specification and bidders must furnish point to point replies against as the points of our above specification failing which their offer may not be considered	Vendor to Specify			
6	QUALIFYING CONDITIONS :				
6.1	Only those vendors should quote, who have supplied and commissioned atleast one number of equipment having same or better specification within last three years and such is presently working satisfactorily.	Vendor to Confirm			
6.2	The following information is to be submitted by the vendor about the companies where offered equipment has been supplied. This is required from all the vendors for qualification of their offer.				
6.2.1	Name of the customer/company where offered equipment is installed (copy of Purchase Order should be furnished)	Vendor to specify			
6.2.2	Complete postal address of the customer.	Vendor to Confirm			
6.2.3	Year of commissioning (copy of commissioning report should be furnished).	Vendor to specify			
6.2.4	Application for which the equipment is supplied.	Vendor to specify			
6.2.5	Name and designation of the contact person of the customer.	Vendor to specify			
6.2.6	Phone, Fax No. and E-mail address of the contact person of the customer.	Vendor to specify			
7	Signed & stamped copy of content sheet of technical specification no.: EMRP-TS-TS-E001	Vendor to confirm			

ANNEXURE - IV

GENERAL TERMS AND CONDITIONS OF REVERSE AUCTION

Against this enquiry for the subject item /system with detailed scope for supply as per enquiry specifications. BHEL may resort to "REVERSE AUCTION PROCEDURE "i.e. **ON LINE BIDDING ON INTERNET**.

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
3. BHEL will inform the vendor in writing in case of reverse auction, the details of Service Provider to enable them to contact & get trained.
4. Business rules like event date, time, start price bid decrement extensions etc. also will be communicated through service provider for compliance.
5. Vendors have to fax / email a scanned copy of the compliance form in the prescribed format (Provided by Service Provider) before start of Reverse auction. Without this, the vendor will not be eligible to participate in the event.
6. BHEL will provide the calculation sheet (e.g. EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for services and loading factors for non compliance to BHEL standard Commercial terms & conditions) for each of the vendor to enable them to fill in the price and keep it ready for keying in during the Auction.
7. Reverse auction will be conducted on scheduled date & time.
8. At the end of Reverse Auction event, the lowest bidder value will be known on the network.
9. The lowest bidder has to fax/ email a scanned copy of the duly signed filled-in prescribed format as provided on case-to case basis to BHEL through Service provider within 24 hours of Auction without fail.
10. Any variation between the on line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure.
11. In case BHEL decides not to go for reverse Auction procedure for this tender enquiry, the price bids and price impacts, if any already submitted and available with BHEL shall be opened as per BHEL's standard practice.
12. **Only those vendors, who participate in the Online Initial Sealed Bid, will be eligible to participate in the subsequent Online English Reverse Auction.**

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