



BHARAT HEAVY ELECTRICALS LIMITED
CSU & FP- JAGDISHPUR

Tender Notice

Tender No: 20150054/TE/A/07

Date: 17/07/2015

Sealed Tenders are invited in Two Part Bid System for supply of Portable Surface Roughness Tester.

- **Submission of Tender:** Till 14:30 hrs **07/08/2015**
- **Opening of Part –I (Techno commercial) bid :** At 15:00 Hrs. on **07/08/2015**
- Techno-Commercial bid (Part-I) & Price Bids (Part-II) should be submitted in separate envelopes. These two envelopes should be submitted in a common sealed envelope. Techno-Commercial Bid shall contain detailed Technical Specification, taxes & duties, payment terms, delivery period, Validity of offer, Unpriced bid etc. The confirmation to the terms & conditions must be submitted along with Techno-Commercial bid.

1. Pre Qualifying Requirement (PQR) condition:

Sr. No.	PQR Condition	Vendor remarks
1	Vendor should have supplied similar/ same item to BHEL/PSU/reputed companies in past 02 (two) Years. A copy of purchase order is required to be submitted as a documentary proof.	
2	The make of item shall be Mitutoyo /TESA/Reputed Equivalent.	
3	Only OEM or their authorized distributor can participate in the tender.	
4	Annual report (balance sheet and Profit & Loss Account) & ITR of last 3 years.	
5	For Manufacturer: Capabilities with respect to personnel, equipment and manufacturing Facilities.	
6	For Dealer:- 1) Authorization letter from OEM is mandatory. 2) In case of foreign principal: An agency agreement deed copy is Required.	



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2. Item Description:

Sr. No.	Item Description	UOM	Qty.
1	FU 6611601996 Portable Surface Roughness Tester Compact type display unit along with all Standard accessories in ready to use condition as per attached technical specification BHEL/FP/TS/34 Rev.00	No.	01

3. Technical Specification: Technical specification BHEL/FP/TS/34 Rev.00 attached at Enclosure -1.

4. Technical Requirement:

Sl.No.	Description	Supplier Confirmation
1	Guarantee Certificate Required	
2	Test Certificate Required	
3	Operation and Maintenance Manual required	
4	Erection and commissioning required at site	
5	Confirmation against technical specification is required	
6	Deviation from technical specification, if any to be mentioned	
7	Vendor to specify make and model of quoted product and submit leaflet along with Technical offer	

5. Offer Validity: 90 days from the date of opening of Part-I offer (Techno-commercial)

6. Terms and conditions:

Sl. No	Terms	Description	Supplier Confirmation
1	Price	The prices to be firm and inclusive of all taxes and duties, freight and insurance etc. Supplier will submit Billing breakup along with the offer.	
2	Evaluation	On the basis of landed cost to BHEL, FP Stores, Jagdishpur inclusive of loading, if any.	
3	Delivery	Within 9 weeks (nine) from the date of PO. Date of receipt at BHEL –FP stores, Jagdishpur works shall be treated as date of delivery.	
4	Delivery Terms	FOR, BHEL (FP) Stores, Jagdishpur.	
5	Payment Term	i) Payment shall be made within 90 days after receipt and acceptance of the material at BHEL -FP Store. However for MSE Vendor, payment shall be made	



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		<p>within 45 days after receipt of material at BHEL -FP Store as per MSMED Act of Govt. of India.</p> <p>ii) All bank charges shall on vendors account</p> <p>iii) Supplier should submit the original tax invoice.</p> <p>iv) Supplier should mention their TIN no. on the bill.</p> <p>v) Original excise duty gate pass shall be submitted by the vendor to enable purchaser to claim CENVAT credit (If applicable)</p> <p>vi) Excise duty and CST shall be paid as applicable on the date of invoicing.</p> <p>vii) Any other tax applicable, if any shall be payable on submission of documentary proof.</p>	
6	Excise duty	ED payable shall be restricted to the prevailing rate of the basic price	
7	VAT	VAT is payable for intra state dispatches	
8	CST	CST is not payable by BHEL, However C-form shall be provided by BHEL. In case BHEL is not in a position to issue C form the differential CST i.e. the diff in CST for supplies with and without C-form is only payable	
9	Service tax	Service tax extra as applicable	
10	Octroi /Entry tax	Applicable taxes to be indicated in offer and is payable extra only on submission of documentary proof	
11	Test Certificate	Required	
12	Guarantee Certificate	Item/Materials to be supplied in good quality and free from defects. More over all the Item/materials Shall carry a Warranty for a period of 18 months from the date of dispatch or 12 months from the date of commissioning at BHEL, whichever is earlier. Defects if any found in this period shall be indicted to the supplier and the same to be replaced by supplier free of cost within 1 month.	
13	Liquidated Damages	The delivery of material shall be made within the time prescribed. Failure to deliver the material in time as per the delivery specified above would make the vendor liable to an un-conditional penalty at the rate of half percent (1/2%) of the price of the goods undelivered per week (or part thereof) Subjected to a maximum of ten percent (10%) of the order.	
14	Pre Dispatch Inspection	If required BHEL will have pre dispatch inspection.	
15	Consignee	The Stores Officer, Fabrication Plant, BHEL, IA Jagdishpur, Distt.- Amethi (UP) 227817	
16	Billing Address	The Purchase officer, CSU & FP, BHEL, IA Jagdishpur, Distt-Amethi (UP),227817	

7. Special Instruction:

1. For all the new vendors who are not registered with BHEL (CSU & FP) as well as vendors registered with BHEL (CSU & FP) who have not submitted Supplier Registration Form (SRF)



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earlier, duly filled up "Supplier Registration Form"(available at www.bhel.com) along-with all the supporting documents has to be submitted along with techno commercial bid of offer. Please confirm that SRF is being submitted with your offer if applicable. However please note that if in any case duly filled up SRF along-with all the supporting documents is not received within 15 days of tender opening, your offer may liable to be ignored. If the vendor is already registered in same category / items in Product Material Directory (PMD) of other BHEL's Unit, then please furnish the details of Purchase Orders with SRF.

2. All taxes/duties/levies etc. must be specified separately in amount or in percentage. Incomplete offer shall not be acceptable.
3. In case vendors do not accept BHEL-CSU & FP, Jagdishpur payment terms as per enquiry proper loading shall be done.
4. **Duly filled & signed with company seal on all documents to be submitted along with offer.**
5. **Offers not meeting our requirement because any kind of deviations in technical or commercial terms are liable to be rejected by BHEL at its discretion.**
6. Please submit point wise compliance to our specification, terms & conditions .**Otherwise it will be presumed that you are accepting BHEL's Terms & condition.**
7. BHEL, CSU & FP, Jagdishpur reserve the right to procure from more than one vendor.
8. Please quote price in figures & words both. In case the prices quoted in words and figures are different, the value indicated in words will be considered for evaluation and establishing L1 status.
9. The offers of the bidders who are on the banned list and also the offers of bidders, who engage the services of the banned firms, shall be rejected. The list of firms is available on web site www.bhel.com
10. **Reverse Auction (RA):**

BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit "online sealed bid" in the Reverse Auction. Non-submission of "online sealed bid" by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.

Information and General terms and conditions governing RA are given below.

- i) For the proposed reverse auction, technically and commercially acceptable bidders only shall

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be eligible to participate.

ii) BHEL will engage the services of a Service Provider who will provide all Necessary training and assistance/ demonstration before commencement of on line bidding on internet.

- a. BHEL will inform the Vendors in writing the details of Service Provider to enable them to contact for training/ demonstration.
- b. Business rules like event date, time, start price, bid decrement, extensions etc. also will be communicated through Service Provider for compliance.
- c. Vendors have to fax 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.
- d. BHEL will provide the calculation sheet which will help the Vendors to arrive at "Total Cost to BHEL" by including items like Packing & Forwarding charges, Taxes and Duties, Freight charges, Service Tax for Services and loading factors (for non-compliance to BHEL Commercial terms & conditions, if any) for each of the Vendors to enable them to fill-in the price and keep it ready for keying in during the Auction.
- e. Reverse auction will be conducted on a scheduled date & time.
- f. At the end of Reverse Auction event, the lowest bid value will be known on the network.
- g. The lowest bidder has to fax the duly signed filled-in prescribed format as provided to BHEL through Service Provider within 24 hours of Auction without fail.
- h. 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.
- i. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids already submitted and available with BHEL shall be opened as per BHEL's standard practice.

11. **Rejections:** The supplier shall arrange replacement/ repair within one month from the date of rejection intimation upon failure on supplier's part to comply. BHEL will take whatever appropriate action they may think fit in addition to repair/return of rejected material at the cost and risk of the supplier.

12. **Risk purchase:** In case of delays in supply of materials/defective materials not fulfillment of any other terms and conditions given in the purchase order, the purchase may cancel the full or part thereof, and may also make purchase of such material from elsewhere/alternate source at the risk and cost of supplier.

13. **Arbitration:** Any dispute arising out of this contract shall be referred to the sole arbitration of GM-CSU& FP- BHEL, Jagdishpur. Its award shall be final and binding on the parties. The venue of arbitration in all cases shall be at Administrative building, BHEL-CSU & FP, Jagdishpur.

14. **Jurisdiction** - In case of any suit or other legal proceedings arising under or relating to the contract, the Jurisdiction of Sultanpur (UP) district court shall apply

15. MSE Suppliers can avail the intended benefits as per Annexure-1 of Enclosure-2.

16. Tender's other details are attached at Enclosure-2.

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Ad
17/12/15



CSU & FP

PLANT PURCHASE SPECIFICATION

FABRICATION PLANT

DEPARTMENT: PRODUCTION

NO.: BHEL/FP/TS/34

REV NO : 00

REV. DT :

Sheet 1 of 2

PORTABLE SURFACE ROUGHNESS TESTER

Sr. No.	Description	Requirement	Vendor to confirm
1	Roughness parameters	According to ISO 4287:1997/ JIS B0601:2001, DIN and ISO 12085:1998 (MOTIF or CNOMO)	
2	Assessed profiles	Primary profile / Roughness profile / DF profile / Roughness profile-Motif	
3	Measuring Range X axis.	16 mm (0.63 in) or more	
4	Measuring Range Z axis.	300 μm (11810 μin) or more	
5	Measuring unit	mm	
6	Resolution	0.001 μm or better	
7	Accuracy	As per ISO 3274	
8	Probe Type	Inductive type. Standard set of probe to be supplied.	
9	Stylus tip/ Measuring force	Material: Diamond Force:0.75 mN or lesser	
10	Skid force	Less than 400mN	
11	Evaluation parameters	Ra, Rc, Ry, Rz, Rq, Rt, Rmax, Rp, Rv, R3z, Rsk, Rku, R _{Pc} , Rsm, Rmax, Rz1max, S, HSC, RzJIS, Rppi, R Δ a, R Δ q, Rlr, Rmr, Rmr(c), R δ c, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2, Vo, Rpm, tp, Htp, R, Rx, AR, Possible Customize	
12	Analysis graphs	Bearing area curve / Amplitude distribution curve	
13	Numerical Filters	Gaussian numerical filter as per ISO 11562	
14	Cut off length	0.08, 0.25, 0.8, 2.5 and 8 mm	
15	Memory capacity	Minimum 100 readings	
16	Display languages	English.	
17	Calculation result display	Vertical display: 1 parameter / 3 parameter / trace to measurements, Horizontal display: 1 parameter / 4 parameter / trace to measurements (Horizontal display is invertible)	
18	Printing function	Measurement conditions / Calculation results / Calculation results for each sampling length / Assessed profile / Bearing area curve / Amplitude distribution curve / Environment setting information	
19	External I / O	USB I / F, Digimatic Output, Printer Output, RS-232C I / F, Foot SW I / F	



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FABRICATION PLANT

DEPARTMENT: PRODUCTION

NO.: BHEL/FP/TS/34

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REV. DT :

Sheet 2 of 2

20	Calibration	Saves last inputted nominal value of specimen / Average calibration with multiple measurement (Max.5 times) is available	
21	Power supply	Two-way power supply: battery (rechargeable Ni-MH battery) and AC adapter. 220 V and 50 Hz	
22	Display Unit Size	TFT Colour display	
23	Standard Assecories to be supplied	Roughness specimen (Ra 3.00µm) Carrying case Calibration stage Protective sheets for display AC Adapter Operation manual (2 sets) Quick reference manual (2 sets) Guarantee Card	
24	Commissioning and training	Commissioning of the equipment and performance prove-out at BHEL Works by the supplier's representative. BHEL staff shall be trained for the usage of the machine.	
25	Performance Guarantee	Performance Guarantee for 12 months or more from the date of commissioning. Free service during Guarantee period shall be provided.	
