



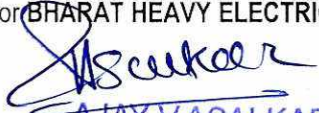
An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT/ MATERIALS MANAGEMENT

ENQUIRY		Phone: +91 431 257 7360/7775	
NOTICE INVITING TENDER		Fax : +91 431 252 0031	
		Email : ajay@bheltry.co.in , viren@bheltry.co.in	
		Web : www.bhel.com	
TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two parts	2741700005	16.11.2017	11.12.2017
You are requested to quote the Enquiry number, date and due date in all your correspondences. This is only a request for quotation and not an order. Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs. on the Date of tender opening.			
Item	Description	Qty.	(Indigenous Vendors) Matl. Will be Delivered to
10	"Hand-Held Ultrasonic Thickness Measuring Gauge" as per the technical specification, BHEL commercial terms & conditions applicable (to be downloaded from web site www.bhel.com or https://eprocure.gov.in)	03 Nos.	FOR BHEL Stores, Power Plant Piping Unit, Thirumayam 622507, Pudukottai Dist
Important points to be taken care during submission of offer: 1. Material shall be delivered to (By indigenous vendors): As stated above. 2. By foreign vendors: CFR Chennai Seaport/Airport. 3. Delivery required 3 months from the date of purchase order. 4. Erection and commissioning shall be done at BHEL, Trichy by the supplier. 5. Erection & Commissioning period required 3 Weeks from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C. 6. EMD: Not Applicable. 7. Compliance Forms. TRY/IMP/04 & TRY/IND/04A to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation. 8. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media. BHEL's General guidelines / instructions (Refer: MM/CE/GENL001), commercial Terms check list (Compliance Form) and Technical Specification can be downloaded from BHEL web site http://www.bhel.com or from the Government tender https://eprocure.gov.in under Enquiry reference "2741700005". Note: this is not an E-tender, hence Vendors are requested to ensure that the offer is reaching physically at our office before 14:00 Hrs. on the date of tender opening.			
Tenders should reach us before 14:00 hours on the due date Tenders will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present		Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED  AJAY VASALKAR Sr. MANAGER MM / Capital Equipment BHEL, Tiruchirappalli - 620 014.	

PART - A
QUALIFYING CRITERIA FOR
HAND HELD ULTRASONIC THICKNESS MEASURING GAUGE

S.No	BHEL Specification	Vendor's Offer
1.0	QUALIFYING CRITERIA	
1.1	The BIDDER / VENDOR (OEM) shall have atleast THREE Years of Experience in the Design, Manufacture & Supply of "HAND HELD THICKNESS MEASURING GAUGE". Vendor must indicate the actual no. of years of experience in the field	
1.2	Only those vendors (OEMs), who have manufactured, supplied and commissioned at least ONE Hand Held Ultrasonic thickness measuring gauge of QUOTED SERIES , in the last Five years [as on date of this tender opening(first date)] should quote.	
1.3	Vendor has to submit at least ONE Performance Certificate from their customer, for satisfactory performance of Hand held Ultrasonic thickness measuring gauge specified in clause 1.2 supplied to them and such equipment is working satisfactorily for a minimum period of one year [as on date of this tender opening (first date)]. For obtaining the Performance certificate, a suggestive format is provided at the end of part-A.	
1.4	BHEL reserves the right to verify the information provided by the Vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	

2.0	INFORMATION TO BE PROVIDED BY VENDOR	
2.1	Vendor shall provide contact details(phone no & email id) including the address of his Agents / Service Centres in India	
2.2	Year of launch of the model quoted against this enquiry	
2.3	Number of "Handheld Ultrasonic Thickness gauges" supplied and commissioned till date in the quoted model (to quote thickness gauges supplied during the last three years only)	
2.4	The BIDDER/VENDOR to furnish Reference List of Customers(max 10 customers) including Contact details(phone no & email id).	

Suggestive Format of Performance Certificate:

The performance certificate should be produced **on Customer's Letter Head**.

PERFORMANCE CERTIFICATE

- | | | |
|---|---|---------------------------------|
| 1 | Supplier of the equipment | |
| 2 | Make & series of the equipment | |
| 3 | Month & Year of Commissioning | |
| 4 | a. Application for which equipment is used
b. Thickness range measured | |
| 5 | Performance of the equipment
(Strike off whichever is not applicable) | Satisfactory / Not Satisfactory |
| 6 | After sales service
(Strike off whichever is not applicable) | Satisfactory / Not Satisfactory |
| 7 | Any Other remarks | |

Performance certificate issued date:

Signature & Seal of the Authority
Issuing the Performance Certificate

Contact details of issuing authority
Name & Designation:
Office No/ Mobile no:
Email ID:

Part B- Specification for Ultrasonic thickness gauge device(UTG)

Sl. No.	Parameters	Specification
1	Instrument type	Handheld type
2	Application	Typical applications include: Cylindrical jobs: Tube & Pipe (Minimum OD 21.3 mm with thickness maximum of 8 mm and Maximum OD upto 1500 mm with maximum thickness of 200 mm) and Flat surface jobs of maximum thickness range upto 500 mm. Jobs for measurement includes different grade materials like Ferritic steels, Martensitic steels, stainless steels, etc over painted/non painted as well as rough surface(shot blasted condition) & polished surface , Tanks & Boilers rough surface (shot blasted) and painted/coated surface.
3	Features	Instrument should have basic features like Alarm (audio/visual) capabilities, PC connectivity , internal data logger and it should be able to measure the thickness as mentioned in point 2.
4	Measurement Principle	Ultrasonic measurement method, suitable for application and thickness range stated in point 2. In case of painted surfaces, the offered probe/s should be capable of measuring true metal thickness neglecting paint thickness with out removing the paint
5	Additional Scanning modes to be provided	- A scan mode(Wave form) - B scan mode
6	Display	Vendor to provide digital colour display. Backlight for use in poor lighting conditions. Backlight is selectable on/off/auto.
7	Keypad	Keypad provided must be water proof, resistance to oil/grease etc
8	Resolution	0.01 mm
9	Weight	500 gm (including Batteries) maximum
10	Power Source	Vendor to specify the type and quantity of battery. Battery should be rechargeable.
	Calibration	Automatic or vendor to specify and demonstrate mode of calibration at the time of commissioning
Vendor to provide following accessories along with main unit		
11	Accessories	Two sets of Probe/s capable of measuring minimum OD 21.3 mm and maximum thickness of 500 mm with integral/necessary cable,The cable and connector pin of the probe should be robust enough to avoid damage even after innumerable plugin/out operations in main unit. Vendor to ensure accordingly Rechargeable Batteries with battery Charger(operating at single phase 230 V AC) Removable Protective casing to the Thickness gauge and Carry case for whole unit Stepped calibration block with calibration certificate Data cable for connecting it to the PC along with necessary software, Connection type can be USB/RS232 Couplant
12	Documents	Vendor to provide Calibration certificate of stepped calibration block and Test Certificate of the equipment. The total assembly of equipment shall be tested for its performance by the supplier at supplier's work prior to dispatch of the equipment and test certificate shall be given clearly indicating the SI.No of the equipment
13	List of essential spares	Vendor to provide the list of recommended spares if any
14	Service manual	One Hard copy and one soft copy per instrument to be provided
15	Installation & performance prove out	Commissioning & Performance Prove out has to be done at BHEL,Thirumayam by the supplier
16	Guarantee	ONE year from date of commissioning at BHEL Thirumayam works
17	Operating Temperature	0 deg C to 40 deg C
18	Annual Maintenance contract (AMC)	Supplier to quote for AMC (with four visits per year) for three years after the guarantee period in a separate closed envelope. BHEL reserves the right to place/not to place the AMC order after the guarantee period.
Note: Supplier to provide a latest catalogue of the probes and their features along with the offer compatible to the offered equipment		