



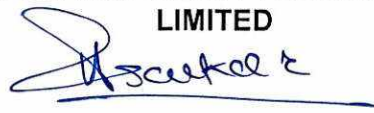
An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY		Phone: +91 431 257 7653	
NOTICE INVITING TENDER		Email : skaruna@bheltry.co.in , ajay@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	2741700008	24.11.2017	16.12.2017
You are requested to quote the Enquiry number date and due date in all your correspondence. 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		Quantity
10	Dry Block Temperature Calibrator as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or https://eprocure.gov.in/epublish/app)		01 No.
Important points to be taken care during submission of offer. 1. Compliance Form No: TMM/IND/07 to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation. 2. Delivery at BHEL PPU, Thirumayam - 622507 (Tamil Nadu) 3. Delivery period required is 3 months from the date of P.O. 4. Commissioning and performance prove out shall be done at BHEL Thirumayam - by the supplier 5. Time period required for commissioning and performance prove out shall be 2 weeks from the date of intimation by BHEL 6. EMD for this tender Rs. 40,000/- 7. 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/GENL/001- EMD), compliance form and technical specification can be downloaded from BHEL web site http://www.bhel.com or from the Government tender website https://eprocure.gov.in/epublish/app (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference.			
(This is not an E-tender, please submit your offer in hard copies) 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 V. ASALKAR Sr. MANAGER MM / Capital Equipment BHEL, Tiruchirappalli - 620 014. Sr. Manager / Capital Equipment / MM	

Part A:- Pre-Qualification Criteria for Dry Block Temperature Calibrator

Sl No	BHEL's Requirement	Vendor's Response
1	Bidder shall be either an OEM or authorised dealer for dry block temperature calibrators. In case of dealers, vendor should attach valid dealership certificate.	
2	Bidder should have supplied at least one dry block temperature calibrator to their reputed customers. Relevant PO copy and atleast one performance certificate from their customers should be attached alongwith the offer.	
3	The bidder should mention their customer's contact details (phone no, email ID etc.) in their offer.	
4	The bidder should positively submit the properly filled Part A and Part B forms of the tender.	
5	Acceptable makes: Fluke, Ametek, R&D Instruments, Nagman or any other reputed makes acceptable to BHEL.	

Part B: Technical Specification for Dry Block Temperature Calibrator

SI No	Parameter	BHEL's Requirement	Vendor's Offer	Deviation, if any
1.0	Item	Dry block temperature calibrator		
1.01	Make and model no.	Vendor should mention the make and model number of the offered item clearly in the offer.		
1.02	Purpose	To calibrate simplex 'K' type thermocouple of 6 mm outer dia and duplex 'K' type thermocouple of 20 mm outer dia.		
1.03	Range	300 deg C to 1200 deg C		
1.04	Resolution	1 deg C		
1.05	Accuracy	± 3 deg C or better		
1.06	Temperature stability	± 1 deg C or better		
1.07	Stabilization time	Approx. 30 minutes. Vendor to specify.		
1.08	Well to well uniformity	± 5 deg C or better		
1.09	Ambient working temperature	45 deg C max.		
1.1	Ambient relative humidity	85% max		
1.11	Heating time to reach 1200 deg C from ambient temperature	60 minutes or less. Vendor to specify.		
1.12	Cooling time (from 1200 deg C to 300 deg C)	140 minutes or better. Vendor to specify.		
1.13	Controller	PID controller/ microprocessor based controller. Vendor to specify details.		
1.14	Temperature read out	LED		
1.15	Keypad	Touch membrane type/ push button. Vendor to specify.		
1.16	Multihole insert	Three inserts should be provided for 6 mm dia thermocouples and two inserts should be provided for 20 mm dia thermocouples. Vendor to mention the detailed specifications of the inserts in their offer.		
1.17	Immersion depth	130 mm (approx.). Vendor to specify.		
1.18	Input voltage	230 V AC, 50 Hz		
1.19	Display	LED		
1.2	Heater power rating	Vendor to specify		
1.21	Overall wattage of the equipment	Vendor to specify		
1.22	Safety cut off	Shall be adjustable for over-temperature cut-off.		
1.23	Overall size	Vendor to specify		
1.24	Weight	Vendor to specify		

Part B: Technical Specification for Dry Block Temperature Calibrator

SI No	Parameter	BHEL's Requirement	Vendor's Offer	Deviation, if any
1.25	Accessories	Power cable, connecting leads, master thermocouple ('R' type with valid calibration certificate from labs traceable to national/ international standards), Carrying case, thermowells etc.		
2.0	Documents			
2.01		Vendor has to submit with the offer the technical catalogues of the offered model along with details of the accessories.		
2.02		After ordering, the successful bidder should provide two hardcopies and one soft copy of the O&M manual and the calibration software in CD.		
2.03		Calibration certificate traceable to NABL or equivalent National/ International standard shall be supplied during material dispatch.		
3.0	Delivery	Approximately 3 months from the date of PO.		
4.0	Pre-dispatch inspection	Pre-dispatch inspection shall be carried out by BHEL officials at the works of the successful bidder. The vendor should demonstrate all the functionalities of the equipment during pre-dispatch inspection.		
5.0	Performance prove-out	Supplier should send their representative at BHEL, PPPU - Thirumayam for demonstration and performance prove-out of the entire system. BHEL will provide 'K' type thermocouples (6 mm dia and 20 mm dia) for calibration at the time of prove-out. During his stay, the supplier's representative should impart a comprehensive training about operation and maintenance of the equipment.		
6.0	Warranty	One year from the date of commissioning at BHEL, PPPU - Thirumayam		