



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY

NOTICE INVITING TENDER

Phone: +91 431 257 4237

Email : spsy@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	2631700071	23.10.2017	20.11.2017

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	Handheld Noncontact Type Infrared Temperature Indicator as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com and https://eprocure.gov.in	8 Nos.

Important points to be taken care during submission of offer

1. Delivery terms shall be FOR BHEL Stores, Trichy for indigenous vendors and CFR Chennai Airport / Seaport for foreign vendors.
2. Compliance Form No: TRY/IND/08 to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
3. Delivery period required is 2 months including pre-despatch inspection.
4. Erection and commissioning shall be done at BHEL Trichy by the supplier
5. Time period required for Erection and Commissioning shall be 2 weeks from the date of intimation by BHEL
6. EMD Not applicable.
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 compliance form and technical specification can be downloaded from BHEL web site <http://www.bhel.com> and <https://eprocure.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference "2631700071".

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

S.PARTHASARATHY

MANAGER

CAPITAL EQUIPMENT / MM

BHEL, TRICHY-620014.

Manager / Capital Equipment / MM

PART-A
QUALIFYING CRITERIA FOR HAND HELD NON-CONTACT
TYPE INFRARED METAL TEMPERATURE INDICATOR

S. NO	BHEL SPECIFICATION	VENDOR'S OFFER
1.0	QUALIFYING CRITERIA	
1.1	The BIDDER/VENDOR (OEM) shall have at least THREE years of Experience in the design, Manufacture & Supply of Hand held Non-contact type Infrared Metal Temperature Indicator . 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 NON-CONTACT TYPE INFRARED METAL TEMPERATURE INDICATOR , 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 NON-CONTACT TYPE INFRARED METAL TEMPERATURE INDICATOR as referred in clause 1.2 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 " HAND HELD NON-CONTACT TYPE INFRARED METAL TEMPERATURE INDICATOR " supplied and commissioned till date in the quoted model	
2.4	The BIDDER/VENDOR to furnish Reference list of customer 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. Temperature range measured
5. Performance of the equipment Satisfactory/ Not satisfactory
(Strike off whichever is not applicable)
6. After sales service Satisfactory/ Not satisfactory
(Strike off whichever is not applicable)
7. Any other remark

Performance certificate issued date:

Signature & seal of the Authority
Issuing the performance certificate

Part-B

**TECHNICAL SPECIFICATION FOR
HAND HELD NON-CONTACT TYPE INFRARED METAL TEMPERATURE INDICATOR**

BRIEF DESCRIPTION:

Temperature indicator is required for measuring metal temperature.

SL NO	DESCRIPTION	BHEL REQUIREMENT	Vendors Offer
1.0 Purpose			
1.1	Purpose	To measure metal temperature	
1.2	Jobs to be analysed	Pipes, Tubes, Plates, Weldments, Fittings & Headers Material: Carbon steel and Alloy steels	
2.0 Principle of operation			
2.1	Principle of operation	Non-contact, Infra-Red Type	
3.0 Machine Configuration			
3.1	Weight	Hand held, less than 500 gms.	
3.2	Distance to Spot ratio	30: 1 or better	
3.3	Temperature Range	0 deg. C to 1000 deg. C or better	
3.4	Unit of measurement	deg. C / deg. F user selectable	
3.5	Emissivity	0.1 to 1.00 (adjustable)	
3.6	Accuracy	+/- 2 deg. C for temp <100 deg. C	
		+/- 2% for temp >100 deg. C	
3.7	Display resolution	0.1 deg. C	
3.8	Temperature Display	a. Digital display with facility to show current value & maximum measurement values simultaneously. b. Max/Min temp. display to be provided. c. Display hold function shall be provided. d. Display shall have backlighting options e. Auto power off facility to be provided	
3.9	Laser Pointer	To indicate the spot of measurement- Vendor to indicate the no. of laser pointers	
3.10	Size of Measurement Spot	Variable type- based on the distance from job	
3.11	Power Source	The instrument shall be provided with rechargeable battery pack. One complete recharge should give minimum 8 Hrs of operation. Vendor shall provide suitable battery charger along with the instrument.	
3.12	Battery type & quantity	Vendor to specify	
3.13	Make, Model and catalogue	Vendor to clearly spell out the make(OEM) and model offered. Also latest catalogue of the offered model to be provided along with offer	

4.0	Calibration	a. The instrument shall be calibrated at any NABL accredited or any internationally accredited lab for ISO 17025. b. The calibration points are at 100, 200, 300, 400, 500 & 1000 deg.C c. The calibration certificate along with the lab accreditation certificate to be provided. d. Softcopy of the above said certificates to be provided by the supplier for dispatch clearance of the instruments and original copies to be handed over along with the instruments	
5.0 Accessories			
5.1	List of accessories to be provided along with offer	Vendor has to specify the entire list of accessories like battery chargers, carry pouch etc	
6.0 Spares			
6.1	List of essential spares	Vendor has to provide the list if any.	
7.0	Service manual	Operation, Service & Trouble shooting manual (Hard & soft copy – 3set).	
8.0 Erection & Commissioning			
8.1	Installation & Performance prove out at BHEL	Installation & performance prove out has to be done at BHEL Trichy by the supplier measuring the temperature of some of the jobs at BHEL works.	
9.0 Training			
9.1	Training	Vendor to provide training at BHEL Trichy at the time of commissioning	
10.0 Guarantee			
10.1	Guarantee	Minimum 12 months from the date of commissioning or 18 Months from the date of dispatch whichever is earliest	