



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 7421/ 7297 Email : vkarna@bhel.in , hari.r@bhel.in Web : www.bhel.com
NOTICE INVITING TENDER	

TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two Parts	2631900077	20.12.2019	10.01.2020

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.

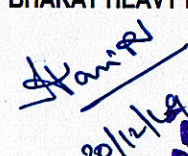
Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14:00 hrs on the Date of tender opening.

Item	Description	Quantity
10	Radiation Area Monitor as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or https://eprocure.gov.in/epublish/app)	3 Nos.

Important points to be taken care during submission of offer

1. Delivery terms shall be FOR BHEL Stores, Trichy
2. Compliance Form MM/ CE/ TRY/ IND/ 12 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 from the date of Purchase Order.
4. Erection and commissioning activities shall be done by the supplier, at BHEL, Trichy works.
5. Time period required for Erection and Commissioning activities shall be 1 week from the date of intimation by BHEL
6. 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- No EMD), compliance form and technical specification can be downloaded from BHEL web site <http://www.bhel.com> or from <https://eprocure.gov.in/epublish/app> under Enquiry reference "2631900077".

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  R. HARI Engineer MM/ Capital Equipment BHEL TRICHY 620 014 Engineer / MM/ Capital Equipment
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RADIATION AREA / ZONE MONITOR, Qty. 3 nos.

Part A

SECTION – 1: The BIDDER / OEM has to compulsorily meet the following requirements to get qualified for submitting an offer for Area Zone Monitors.

S. No.	REQUIREMENTS	BIDDER'S RESPONSE
1.1	Only those Bidders / OEMs, who have manufactured and supplied at least 2 numbers of Radiation area / zone monitors in the last five years [as on date of this Tender opening (First Date)] are eligible to quote.	
1.2	Bidder/OEM has to submit at least one Performance Certificate from any of their customers, for satisfactory performance of the Radiation area / zone monitors supplied in the last 5 years.	
1.3	BHEL reserves the right to verify the information provided in the offer. In case the information provided is found to be false/ incorrect, the offer shall be rejected.	

SECTION – 2: Bidder to provide the following details:

S. No.	PARTICULARS	BIDDER'S RESPONSE
2.1	Year of launch of the model quoted against this enquiry	
2.2	Number of "Radiation area / zone monitors" supplied and commissioned till date in the quoted model	
2.3	The Bidder/vendor to furnish reference list of customers	
2.4	Details on SERVICE-after-SALES Set-Up in India including the addresses of Agents/Service Centers in India and Asia	

SECTION – 3: Bidder to note the following:

S. No.	PARTICULARS	BIDDER'S RESPONSE
3.1	The BIDDER shall submit the offer in Two Parts 1. Technical [with PART A & B] & unpriced commercial bid. 2. Price Bid.	
3.2	The BIDDER shall assure a continuous support for Spares and Service for Ten Years, from the date of commissioning of the equipment at BHEL Works.	
3.3	The VENDOR's RESPONSE against each clause in PART A & B of the offer should be filled compulsorily with complete details.	

S. No.	PARTICULARS	BIDDER'S RESPONSE
3.4	The Technical Offer shall be supported by Product Catalogue and Data Sheets and complete technical details / literature on the quoted model.	

RADIATION AREA / ZONE MONITOR, Qty. 3 nos.**Part B - Technical Specification**

Sl.No.	Particulars	BHEL Specifications	Bidder's offer with technical details
1.0	Area of Application	Indicate Gamma and X ray radiation exposure rates in strategic locations	
2.0	Principle of Operation	Geiger Muller counter employed to detect radiation levels.	
3.0	Type of use	Ascertains safe retrieval of industrial radiation sources before entry into radiography enclosure.	
4.0	Instrument enclosure	Available in a steel/aluminium housing – wall mountable type.	
5.0	Specification of the equipment		
5.1	Input Power supply	Input power supply of 230 V +/- 10%, 50 +/-3 Hz, Single Phase AC Supply, through a 3-Wire System. [3rd wire for protective earthing]	
5.2	Battery Backup	Rechargeable Battery with backup of around 3 Hours in case of Power Failure.	
5.3	Type of radiation detected	X-ray & Gamma radiation	
5.4	Alarm Range	0.1 to 99.9 mR/hr log scale or better	
5.5	Accuracy	± 15%	
5.6	Alarm type	Visual and audio alarm with reset mode either AUTO or Manual. Bidder to provide details	
5.7	Detecting medium	Ion chamber- Halogen quenched GM counter.	
5.8	External detector	The monitor and detector units should be separate and connected by minimum 5m long cable for remote measurement.	
5.9	Display	Digital display.	

Sl.No.	Particulars	BHEL Specifications	Bidder's offer with technical details
5.10	Display refresh rate	Bidder to provide details	
5.11	Measurement unit	Bidder to specify	
6.0	Calibration	Calibration certificate has to be provided to each equipment for the entire range of the area zone monitor, by the supplier with traceability to national or international standards	
7.0	Safety and Quality Standards	Supplier to ensure that Safety and Quality of system and accessories (consisting of the items mentioned in the scope of supply) shall conform to International Standards. Conformance certificate from the OEM to be provided along with the equipment.	
8.0	Scope of supply	Area zone monitors with accessories as per BHEL specifications -3 no's Calibration certificate as per 6.0 Documentation as per 9.0	
9.0	Documentation in ENGLISH Language	Two Copies (In English) of the Operation, Maintenance & Service Manuals shall be supplied along with the equipment. In addition, one soft copy in CD/DVD to be supplied.	
10.0	Pre dispatch	Vendor to provide a scanned copy of the calibration certificate for each equipment prior to dispatch. The equipment shall be dispatched by the vendor only after receipt of clearance from BHEL.	
11.0	Packing and delivery	Packing and delivery of the total equipment from manufacturer's place to BHEL, Trichy in safe condition without any damage is the responsibility of the Vendor.	
12.0	Installation and commissioning	The system and accessories (consisting of the items mentioned) is to be installed & commissioned at BHEL Works by the Service Engineer of the vendor.	

Sl.No.	Particulars	BHEL Specifications	Bidder's offer with technical details
12.0	Performance prove out	Vendor to perform the job trials and to prove the performance of the equipment at BHEL works	
13.0	Performance Guarantee	Performance of the equipment to be guaranteed for a period 12 months from the date of commissioning of the equipment at BHEL Works or 18 months from supply whichever is earlier.	