



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 76 53

Email : skaruna@bheltry.co.in

Web : www.bhel.com

TWO PART BID

Tender to be submitted in two Parts

Enquiry
Number:

2631600055

Enquiry Date:

19.08.2016

Due date for submission of
quotation:

16.09.2016

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	Area Zone Monitors as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	3 Nos.

Important points to be taken care during submission of offer

1. 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.
2. 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.
3. Delivery required: 3 months from the date of Purchase Order.

BHEL's General guidelines / instructions (refer MM/CE/GENL/001), compliance form and technical specification can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference "2631600055".

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

DGM / Capital Equipment / MM

S. KARUNANIDHY
Dy. General Manager
Capital Equipment / MM
BHEL, Tiruchirappalli - 620 014.

PART A - QUALIFYING CRITERIA FOR THE SUPPLY OF AREA ZONE MONITORS

SECTION - I

The BIDDER / VENDOR has to compulsorily meet the following requirements to get qualified for submitting an offer for Area Zone Monitors.

S. No.	REQUIREMENTS	VENDOR's COMMENTS
1.0	The BIDDER / VENDOR shall have atleast FIVE Years of Experience in the Design, Manufacture and supply of AREA ZONE MONITORS. Vendor to indicate the actual no. of years of experience in this field.	
2.0	Only those vendors (OEMs), who have manufactured and supplied at least Two systems of AREA ZONE MONITORS in the last five years [as on date of this Tender opening(First Date) shall quote]	
3.0	Vendor has to submit at least one Performance Certificate from any of their customers, for satisfactory performance of the quoted model of AREA ZONE MONITORS supplied to them with in the last five years and is working satisfactory for <u>a minimum period of one year</u> from the date of commissioning [as on date of this tender opening(First date)]. For obtaining the Performance certificate, a suggestive format is provided as Annexure I.	
4.0	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	

SECTION – II

Bidder to provide the following details:

S. No.	PARTICULARS	VENDOR's RESPONSE
5.0	Year of launch of the model quoted against this enquiry	
6.0	Number of "AREA ZONE MONITORS" supplied and commissioned till date in the quoted model	
7.0	The Bidder/vendor to furnish reference list of customers	
8.0	Details on SERVICE-after-SALES Set-Up in India including the addresses of Agents/Service Centers in India and Asia	

SECTION – III:

Bidder to note the following:

S. No.	PARTICULARS	VENDOR's RESPONSE
9.0	The BIDDER shall submit the offer in Two Parts – 1. Technical [with PART A & PART B] & 2. Commercial and Price Bid.	
10.0	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.	
11.0	The VENDOR's RESPONSE against each clause in PART A & B of the offer should be filled compulsorily with complete details.	
12.0	The Technical Offer shall be supported by Product Catalogue and Data Sheets and complete technical details / literature on the quoted model.	

ANNEXURE I
PERFORMANCE CERTIFICATE FORMAT
(On Customer's Letter Head)

1. Supplier of the Equipment :
2. Make & Model of the Equipment :
3. SI No. of the equipment :
4. Month & Year of Commissioning :
5. Application for which Equipment is used :
6. Jobs Performed by the Equipment :
 - a. Types of radiation sources monitored :
 - b. Radiation range detected :
7. Performance of the Equipment : Satisfactory/Not Satisfactory
(Strike off whichever is not applicable)
8. After Sales Service : Satisfactory/Not Satisfactory
9. Any other remarks :

Contact details of issuing authority

Name & Designation:

Office No/Mobile no:

Email Id:

Signature and seal of authority

Issuing the performance certificate

PART B: TECHNICAL SPECIFICATIONS FOR AREA ZONE MONITORS

Sl.No.	Particulars	BHEL Specifications	Bidder's offer
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	Instrument enclosure	Available in a steel housing – mountable type.	
4.0	Specification of the equipment		
4.1.	Power source	230 +/- 10% V, 50 +/-3 Hz, Single Phase AC Supply, through a 3-Wire System. [3rd wire for protective earthing]	
4.2.	Design base	Instrument enclosure and detector assembly complied to IP54 Equipment performance should conform to ANSI N42.17A-2003 Structural design seismic qualified complied to IEEE344.	
4.3.	Type of radiation detected	X-ray & Gamma radiation	
4.4.	Range	0.1 mR/hr to 100 mR/hr log scale	
4.5.	Detecting medium	Ion chamber- Halogen quenched GM counter. The monitor and detector units should be separate and connected by minimum 5m long cable.	
4.6.	Accuracy	± 10%	
4.7.	Operating Temperature	10 °C to 50 °C	
4.8.	Relative humidity	Up to 90%	
4.9.	Display	Analog display	
4.10.	Alarm	visual and audio alarm with reset mode either AUTO or Manual Alarm range : 0.1 mR/hr to 99.9mR/hr.	
5.0	Calibration	Calibration certificate has to be provided to each equipment for the entire range of the area zone monitor, by the supplier	
6.0	Type of use	Ascertains safe retrieval of industrial radiation sources before entry into radiography enclosure.	

7.0	Warranty	Minimum one year from the date of commissioning	
8.0	Scope of Supply		
8.1.	Area zone monitors as per BHEL specifications	Qty 2 nos 3 NOS <i>One ENH MODN</i>	
8.2.	Documentation in ENGLISH Language	Two Copies (In English) of the Operation, Maintenance & Service Manuals containing Electric Schematics, Circuit Diagrams, Drawings, Trouble Shooting Charts, Mechanical Sub-Assemblies, Rating of Bought-Out Items, etc. shall be supplied, at the time of inspection by BHEL Engineers. In addition, one soft copies in CDs to be supplied.	
9.0	Pre dispatch Inspection	The system and accessories (consisting of the items) shall be offered for pre dispatch Inspection by BHEL at supplier's works.	
10.0	Packing and delivery	Packing and delivery of the total equipment from manufacturer's place to BHEL, Trichy in safe condition without any damage is under the responsibility of the SUPPLIER.	
11.0	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 SUPPLIER.	
12.0	Performance prove out	Vendor to perform the job trails and to prove the performance of the equipment at BHEL works	
13.0	Performance Guarantee	The system and accessories (consisting of the items mentioned in the scope of supply) are to be guaranteed for its performance for 12 months from the date of commissioning of the equipment at BHEL Works.	
14.0	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 to be provided along with the equipment.	