



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 79 38 Fax : +91 431 252 07 19 Email : tvenkat@bheltry.co.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	2620900199	18.09.2009	30.10.2009

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	Densitometer as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	5 Nos.

Important points to be taken care during submission of offer

1. Delivery required 3 months from the date of purchase order.
2. Grace period of 1 month beyond the above delivery period will be considered.
3. Checklist to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.

BHEL's General guidelines / instructions (refer MM/CE/GT/001) including bank guarantee formats and list of consortium banks, commercial terms check-list 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 "2620900199".

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 Manager / Capital Equipment / MM
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PART A**QUALIFYING CRITERIA FOR THE SUPPLY OF DENSITOMETER****Qty: 5 Nos.****SECTION – I**

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

S. No.	REQUIREMENTS	VENDOR's COMMENTS
1.0	The BIDDER / VENDOR shall have a minimum of TWO Years of Continuous Experience in the Design, Manufacture of Densitometer. Indicate the actual experience.	
2.0	The BIDDER / VENDOR shall have supplied at least one number of Densitometer within the last five years. Indicate the number of equipment (of QUOTED MODEL) sold in India & Other Countries.	
3.0	Reference List of Customers and Performance Certificate from CUSTOMERS (minimum ONE Customer) with full contact details of CONTACT PERSON.	
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.	
5.0	DELIVERY - The bidder shall quote the best possible delivery. However the delivery shall not exceed 3 months with an additional grace period of 1 month. The additional grace period will attract a penalty which is explained in the commercial terms of the enquiry. The delivery period shall be reckoned from date of purchase order to despatch from the vendor works.	

SECTION – II

S. No.	PARTICULARS	VENDOR's RESPONSE
6.0	Number of Years of Experience of the BIDDER/ VENDOR in the field of design, manufacture and supply of 'Densitometer'	
7.0	YEAR of LAUNCH of the Model quoted against this ENQUIRY	
8.0	Is there any other model launched after the quoted Model? Otherwise, indicate the likely year in which the next model is likely to be launched	
9.0	Number of Densitometers supplied, installed and commissioned till date, in the QUOTED MODEL.	
10.0	Number of Densitometers supplied, installed and commissioned till date for the following category of CUSTOMERS (within INDIA): a) Government Organisations b) Private Sector Companies [Large Scale Industries]	
11.0	Number of Densitometers supplied, installed & commissioned till date in the following Category (around the GLOBE) : a) Universities b) R&D Labs c) Reputed Heavy Engineering Works/Manufacturing firms	
12.0	Details of Design Set-Up and Technology Back-Up assured for the PRINCIPAL Equipment Maker	
13.0	Details on International Standards followed in Design of the System	
14.0	Comprehensive Details on Performance Testing - of the Equipment quoted, to be ensured in presence of BHEL Executives, prior to dispatch from Supplier's Works	
15.0	Details of Quality System followed (Kindly furnish the salient aspects of the QA system followed)	
16.0	Details on SERVICE-after-SALES Set-Up in India including the addresses of Agents/Service Centres in India and Asia	
17.0	Any Additional Data to supplement the manufacturing capability of the BIDDER	

SECTION – III

The BIDDER / VENDOR has to comply with the following, for accepting the Technical Offer for scrutiny by the Purchaser:

S. No.	REQUIREMENTS	VENDOR's COMPLIANCE
18.0	The BIDDER / VENDOR shall submit the offer in TWO PARTS - Technical [with PART A & PART B] & Commercial and Price Bid. The Technical Offer shall be in line with the BHEL Technical Specifications and the Guidelines or Annexure mentioned, wherever applicable.	
19.0	The Offer shall contain a comparative statement of Technical Specifications given by BHEL and the Offer Details submitted by the Bidder, against each clause. A just 'CONFIRMED' or 'COMPLIES' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement may lead to disqualification of the Technical Offer.	
20.0	The BIDDER / VENDOR shall assure a continuous support for SPARES and SERVICE for FIVE Years, from the date of commissioning of the equipment at BHEL Works.	
21.0	The Technical Offer shall be supported by Product Catalogue and Data Sheets in ORIGINAL and complete technical details of 'Bought-Out-Items' with copies of Product Catalogue and Selection Criteria	
22.0	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation of Scope of Supply.	
23.0	The reference List of Customers shall be accompanied with the details (Phone Number / E-Mail ID) of the CONTACT PERSON for cross reference by BHEL	

PART B**TECHNICAL SPECIFICATIONS FOR DENSITOMETER.**

S. No.	Particulars	BHEL Specifications	Bidder's offer
1.0	Area of Application	Densitometer is a device used for measurement of Optical film density of radiographs as per ASME Section V requirements, as part of Radiographic film evaluation. It is used for evaluation of Radiographs of Weldments in Boiler components with Steel thickness Ranging from 4 mm to 200 mm.	
2.0	Light source	Built in lamp.	
3.0	Density Range	0.1 to 4.0 D	
4.0	D Aperture	Preferably 1mm	
5.0	Accuracy	+/- 0.02 D	
6.0	Repeatability	+/- 0.01D	
7.0	Display	Digital, LCD / LED	
8.0	Controls	On/Off , Zero error /Other settings	
9.0	Warm up Time	60 seconds	
10.0	Usage	For indoor use	
11.0	Size	Supplier to specify	
12.0	Weight	Supplier to specify	
13.0	Operating temperature	15deg to 40 degree Celsius	
14.0	Relative humidity	<80%	
15.0	Power Requirement	Supplier to specify	
16.0	Voltage range	230 V \pm 10 % AC,50 Hz Single phase	
17.0	Scope of supply	Densitometer as per specification along with all accessories (Power connection cable, etc.) -5 Nos.	
18.0	Spares for Densitometer & Accessories	a. BIDDER has to list down the essential spares for normal working of the densitometer. b. BIDDER has to compulsorily quote for the Spares with the TECHNICAL OFFER.	

19.0	Operation and maintenance manual	2 Copies (In English) of the Operation & Maintenance Manuals containing. In addition, one SOFT COPY in CD to be supplied.	
20.0	Installation and commissioning	The system is to be installed & commissioned at BHEL Works, FREE OF COST, by the SUPPLIER.	
21.0	Performance prove out at BHEL	The satisfactory performance of the equipment should be demonstrated at BHEL works by the SUPPLIER	
22.0	Warranty	The Densitometer along with accessories are to be guaranteed for its performance for a minimum period of one year from the date of performance acceptance at BHEL Works.	