



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirapalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY	Phone: +91 431 257 7421 Email : vykaruna@bhel.in : spsy@bhel.in Web : www.bhel.com
NOTICE INVITING TENDER	

TWO PART BID Tender to be submitted in two Parts	Enquiry Number: 2631800034	Enquiry Date: 09.05.2018	Due date for submission of quotation: 04.06.2018
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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 should reach physically on or before 14.00 Hrs(IST) on the Date of tender opening. Tenders received after 14.00Hrs (IST) will not be considered for evaluation.

Item	Description	Quantity	(Indigenous Vendors) Matl. Will be Delivered to
10	XRF Portable Metal Analyser as per the technical specification & commercial conditions applicable (To be downloaded from web site www.bhel.com or http://tenders.gov.in)	5.00 Nos.	FOR, BHEL, Stores, High Pressure Boiler Plant, Tiruchirappalli - 620014

Important points to be taken care during submission of offer

- 1) Material shall be delivered to (By Indigenous vendors): As stated above.
- 2) By Foreign Vendors: CFR Chennai Seaport / Airport
- 3) Delivery required 45 days from the date of purchase order.
- 4) Erection & Commissioning period required 2 Weeks from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.
- 5) EMD for this Tender will be (INR): 1,50,000
- 6) Compliance Forms. TRY/IMP/02 & TRY/IND/02A to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
- 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 / GENL / 001 - EMD) 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 .

Tenders should be submitted before 14.00Hrs (IST) on the due date
Tenders will be opened online 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. PARTHASARATHY
MANAGER
CAPITAL EQUIPMENT / MM
BHEL, TRICHY-620014.

PART - A

QUALIFYING CRITERIA FOR SPECTRO METAL ANALYSER

S.No	BHEL Specification	Vendor's Offer
1.0	QUALIFYING CRITERIA	
1.1	The BIDDER / VENDOR (OEM) shall have at least FIVE Years of Experience in the Design, Manufacture & Supply of "HAND HELD SPECTRO METAL ANALYSER". Vendor must indicate the actual no. of years of experience of OEM in the field. In case of Authorised distributor, Valid Authorisation certificate must be provided	
1.2	Only those vendors (OEMs), who have manufactured, supplied and commissioned at least ONE number of Hand Held Spectro Metal analyser , 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 customers, for satisfactory performance of Hand held Spectro Metal analyser specified in clause 1.2 , supplied to them 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 series quoted against this enquiry	
2.2	Number of "Hand held Spectro analyser" supplied and commissioned till date in the quoted series (supplied during the last three years only)	
2.4	The BIDDER/VENDOR to furnish Reference List of Customers (max 10 customers) including Contact details (phone no & email id).	

 13/03/18

SECTION III

The BIDDER to note:

S. No.	PARTICULARS	Vendor's Offer
3.1	The BIDDER shall submit the offer in Two Parts – 1. Technical [with PART A & PART B] & 2. Commercial and Price Bid.	
3.2	The VENDOR's RESPONSE against each clause in PART A & B of the offer should be filled by the BIDDER compulsorily with complete details.	
3.3	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.	
3.4	The Technical Offer shall be supported by Product Catalogue and Data Sheets in original and complete technical details / literature on the quoted model of the equipment.	
3.5	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.	

 13/03/18

Suggestive Format of Performance Certificate:

The performance certificate should be produced **on Customer's Letter Head** preferably.

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. Materials /alloys analysed | |
| 5 | Performance of the equipment
(Strike off whichever is not applicable) | Satisfactory / Not Satisfactory |
| 6 | Service after sales
(Strike off whichever is not applicable) | Satisfactory / Not Satisfactory |
| 7 | Any Other remarks | |

Performance certificate issued date:

Signature & Seal of the Authority
Issuing the Performance Certificate

Contact details of issuing authority

Name & Designation:

Office No/ Mobile no:

Email ID:


13/03/18

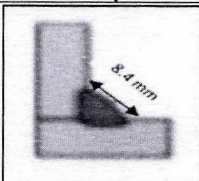
PART-B

TECHNICAL SPECIFICATION FOR SPECTRO METAL ANALYSER

BRIEF DESCRIPTION:

Spectro Metal Analyser is required for Positive material identification (PMI) on various boiler components

TECHNICAL SPECIFICATION

SL.NO	Description	BHEL REQUIREMENT	Vendors Response
1.0 Purpose			
1.1	Purpose	Positive material identification (PMI) of various boiler components.	
1.2	Jobs to be analyzed	Pipes, Tubes, Plates, Fittings & Castings, Weldments of Carbon Steel, High Alloy Steel, Low Alloy steels, Stainless Steel, Nickel based alloys etc	
1.3	Constrained job areas	 The equipment must be able to reach the constrained areas like the intersection area of 'L' shaped fillet of 6 mm (around 8.4mm approachable length) or more etc.to analyse.	
2.0 Principle of operation			
2.1	Principle of operation	X-ray Fluorescence	
3.0 Machine Configuration			
3.1	Weight	Less than 3 Kg.	
3.2	Power Source	The equipment shall work with rechargeable battery pack. One complete recharge should give minimum 8 Hrs of operation.	
3.3	Application	To know the chemistry of elements in a particular material specification	
3.4	Elements to be analyzed	Chemistry/proportion of elements present in a metal like Mn, Ni, Cr, Mo, Fe, V, W, Cu, Al, Si etc (supplier to indicate complete list).	
3.5	Detector protection	- The protection has to be a Mechanical shutter activated/deactivated by trigger or an equivalent mechanism to be provided. Supplier must provide details of protection along with the offer - The above said protection is in addition to the polypropylene (similar material) sheet.	
4.0 User Interface			
4.1	Interface	USB or RS232 serial communication could be provided in order to transfer the data to computer for displaying the data and taking printout.	
4.2	Display	Digital display	
4.3	Keyboard	Touch screen keyboard	
4.4	Security	Password protected user security	

 13/03/18

SL.NO	Description	BHEL REQUIREMENT	Vendors Response
5.0 Software			
5.1	Software	The software having the following features to be provided. - Preinstalled element library and codes of ASME and other equivalent standards - Provision to add user defined material codes / spec	
6.0 SAFETY			
6.1	Safety of operation	Standard radiation safety features have to be provided. It should be certified by relevant authority.	
7.0 Accessories			
7.1	List of essential accessories to be provided along with offer	Vendor to furnish a list of essential accessories like Sealed rugged carrying case, 2 Batteries, Docking Station / Battery charger, USB cable, USB storage with PC software, Spare analysis windows (minimum 10nos.), wrist strap, Holster, Power supply with power cord etc. This list shall be furnished without price details in the technical offer. The same list with total price of the above accessories shall be quoted in the commercial offer in a sealed cover.	
8.0	List of spares recommended	Vendor to furnish a list of critical spares recommended for operation in the technical offer with description, part number, quantity and specification etc. without price details. The same list with individual price of each and every applicable spares shall be quoted in the commercial offer in a sealed cover.	
9.0	Service manual	One Hard copy and One soft copy per Instrument has to be provided	
10.0	Test Certificate	The total assembly of equipment shall be tested for its performance by the supplier at supplier's work prior to dispatch of the equipment and test certificate shall be given indicating the SI.No of equipment clearly.	
11.0 Installation & Commissioning			
11.1	Installation, commissioning & performance prove out	Commissioning & Prove out has to be done at HPBP Trichy, BHEL, by the supplier	
12.0 Training			
12.1	Training on operation & maintenance	Vendor to provide training and certification in operating the instrument at HPBP Trichy, BHEL during installation.	
13.0 Warranty			
13.1	Warranty	5 years Warranty for the instrument, internal parts (including detectors) and accessories except batteries from the date of commissioning at BHEL works. Batteries shall have a warranty period of 3 years from the date of commissioning at BHEL works.	
14.0 Service			
14.1	Prompt Service	The supplier service person/s must be available at BHEL works within 5 days from the date of service call with in the Warranty period.	
14.2	Support	Onsite/mail/telephonic support for immediate remedies.	


13/03/18

Spectro Metal Analyser

1	Whether the item is used for production or non production purpose	Production Purpose
2	The required time period (in month) for supply of the item	Within 45 days from ordering date
3	Time period (in month) for Erection and Commissioning of the item (considering the feasibility aspect.)	TWO Weeks
4	The cost (in percentage) of Erection and Commissioning for the equipment with respect to basic price.	3%
5	Previous Purchase Order Ref.	-NIL-

 13/03/15