



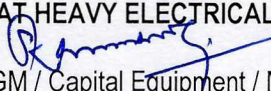
An ISO 9001
Company

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 7653 Fax : Email : skaruna@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	2631600025	16.07.2016	18.08.2016	
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 tender should be submitted online on or before the due date by 14.00 Hrs (IST). Tenders received after 14.00 Hrs (IST) will not be considered for evaluation.				
Item	Description			Quantity
10	Portable Spectro Metal Analyser as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in or https://bheleps.buyjunction.in)			1.00 No.
Important points to be taken care during submission of offer				
1. Material shall be delivered to Indigenous Vendors: FOR, BHEL, Stores Power Plant Piping Unit Thirumayam, Pudukkottai Dist. For Foreign Vendors: CFR Chennai Airport				
2. Delivery required 3 months from the date of purchase order.				
3. Erection & Commissioning period required 3 Weeks from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.				
4. EMD for this Tender will be (INR) : 40,000.00				
5. Checklist No: TMM/IMP/03 (for foreign vendors) and TMM/ IND/ 03A (for indigenous vendors) to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.				
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 / EPROC / GENL / 001-EMD) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from https://bheleps.buyjunction.in or 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 above Enquiry reference.				
Tenders should be submitted online at our above indicated web portal before 14:00 hours on the due date Tenders will be opened online at 14:30 hours on the due date.			Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED  DGM / Capital Equipment / MM	

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 in the field	
1.2	Only those vendors (OEMs), who have manufactured, supplied and commissioned at least ONE number of QUOTED SERIES 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).	

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.	

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. 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:

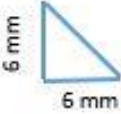
PART-B

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 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	Battery type & quantity	Vendor to specify	
3.4	Application	To know the chemistry of elements in a particular material specification	
3.5	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).	
3.6	Memory	Vendor to specify	
3.7	X ray tube life	Vendor to specify	
3.8	Cooler tube life	Vendor to specify	
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, User Programmable pick list.	
4.4	Security	Password protected user security	

SL.NO	Description	BHEL REQUIREMENT	Vendors Response
5.0 Software			
5.1	Software	The software having the following features to be provided. <ul style="list-style-type: none"> • 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 Battery charger, Holster belt, protective window sheet , Front plate etc recommended for 2 years of trouble free operation in the technical offer with description, part number, quantity and specification etc. without price details. The same list shall be quoted in the commercial offer with price break up in a sealed cover.	
8.0	List of spares recommended	Vendor to furnish a list of critical spares recommended for 2 years of trouble free operation in the technical offer with description, part number, quantity and specification etc. without price details. The same list shall be quoted in the commercial offer with price break up 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 BHEL, Thirumayam works by the supplier	
12.0 Training			
12.1	Training on operation & maintenance	Vendor to provide training and certification in operating the instrument at BHEL, Thirumayam during installation.	
13.0 Guarantee			
13.1	Guarantee	12 months from the date of commissioning or 18 months from the date of dispatch whichever is earlier.	