



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 70 49
Fax : +91 431 252 07 19
Email : csguna@bheltry.co.in
Web : www.bhel.com

TWO PART BID

Tender to be submitted in two parts.

Enquiry
Number:

2620900210

Enquiry
Date:

29.09.2009

Due date for submission of
quotation:

04.11.2009

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	Portable Mechanical Polishing Equipment as per the technical specification, general guidelines instructions & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	2 Nos

Important points to be taken care during submission of offer

1. Delivery required 6 months from the date of purchase order.
2. Grace period of 2 months 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.
4. Technical Specification of Part B Sl. No. 12.0 (Annual Maintenance Contract – AMC) shall be read as “ The Bidder has to QUOTE (as an optional, which may or may not be ordered along with equipment) for AMC under two patterns given below, for a period of 3 YEARS after the expiry of original WARRANTY period” instead of existing. Order against this tender for the equipment will be finalised without AMC only. Prices for AMC charges shall be quoted in separate sealed cover.

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 “2620900210”.

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

Sr.Manager / MM / Capital Equipment

PART A**QUALIFYING CRITERIA FOR THE SUPPLY OF
PORTABLE MECHANICAL GRINDING CUM POLISHING MACHINE****Qty: 2 Nos.****SECTION – I**

The BIDDER / VENDOR has to compulsorily meet the following requirements to get qualified for submitting an offer for Portable Mechanical Polishing Machine.

Sl.No	REQUIREMENTS	VENDOR'S COMMENTS
1.0	The BIDDER / VENDOR Shall have more than FIVE Years of Continuous Experience in the Portable Mechanical Grinding cum Polishing Machine - Field [Design, Manufacture & Supply]	
2.0	The BIDDER / VENDOR should have supplied at least five number Portable Mechanical Grinding cum Polishing Machine in the last FIVE Years	
3.0	Reference list of Customers and Performance Certificate from CUSTOMERS (minimum 5 Customers) with details of CONTACT PERSON.	
4.0	The BIDDER / VENDOR should have sound financial position and should furnish the Finance Statement (Summary of P & L Statement and Balance Sheet) for the immediate past three Years.	

5.0	In Case of short listing by the Purchaser, the BIDDER / VENDOR has to co-ordinate for the visit of Assessing Team, to the WORKS of the BIDDER/VENDOR with a notice period of 10 days.	
6.0	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.	
7.0	DELIVERY - The bidder shall quote the best possible delivery. However the delivery shall not exceed 6 months with an additional grace period of 2 months. 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

The BIDDER / VENDOR has to necessarily provide the following details, for making an assessment of the firm's capability and competency:

[The BIDDER is expected to give complete details against each clause in the table given below and wherever necessary an additional sheet may be attached (giving clear reference number) to cover the required details]

Sl.No	PARTICULARS	VENDOR'S RESPONSE
8.0	Number of Years of Experience of the BIDDER/VENDOR in ' Portable Mechanical Grinding cum Polishing Machine'	

9.0	Number of Portable Mechanical Grinding cum Polishing Machine Supplied, commissioned till date.	
10.0	Number of Portable Mechanical Grinding cum Polishing Machine Supplied, commissioned till date in the following category of CUSTOMERS: a) Central Government Organizations b) Public Sector Enterprises c) Private Sector Enterprises (Large Scale Industries)	
11.0	Number of Portable Mechanical Grinding cum Polishing Machine Supplied, commissioned till date in the following category a) Universities b) R&D Labs c) Heavy Engineering Works.	
12.0	Details of Design Set-Up	
13.0	Details on International Standards followed in Design	
14.0	Details of Manufacturing Facilities	
15.0	Comprehensive Details on Performance Testing	
16.0	Details of Quality System followed	
17.0	Details on AFTER –SALES-SERVICE Set-Up	
18.0	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:

Sl.No	REQUIREMENTS	VENDOR'S COMMENTS
19.0	The BIDDER / VENDOR shall submit the offer in TWO PARTS – Technical & Commercial and Price Bid. The Technical Offer shall be in line with the BHEL Technical Specifications and the Guidelines or Annexures mentioned, wherever applicable.	
20.0	The Technical Offer shall Contain a comparative statement of Technical Specifications given by BHEL and the Offer Details submitted by the BIDDER, against each clause of the Specifications.	
21.0	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	
22.0	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	
23.0	The Commercial Offer (given with the Technical Offer) shall CONTAIN THE Scope of Supply and the unpriced Part of the Price-Bid, for confirmation	
24.0	The reference List of Customers Shall be accompanied with the details (Phone Number /e-Mail ID) of the CONTACT PERSON for cross reference	

PART-B**TECHNICAL SPECIFICATIONS FOR PORTABLE MECHANICAL GRINDING CUM POLISHING MACHINE**

S No	PARTICULARS	BHEL SPECIFICATION	BIDDER'S OFFER [With complete Technical Details]
1.0	Area of Application	Portable Mechanical Grinding cum Polishing Machine is used to prepare mirror like surface on the components / test coupons for conducting micro examination. Specimens for micro examination is to be prepared from Critical Pressure Parts coming in High Pressure Boilers, Industrial Valve Components, Castings covering a wide range of materials from plain Carbon Steel, Low Alloy & High Alloy Steels, Quenched & Tempered Steels, Austenitic & Martensitic Stainless Steels; Nickel & Titanium Alloys.	
2.0	Principle of Operation	User friendly, compact, portable equipment for non-destructive mechanical fine grinding and polishing of materials for field work even under worst conditions.	
3.0	Design Base	Supplier's proprietary design.	
4.0	Equipment Configuration	Consists of two parts. i.e. Portable Grinding and polishing unit and Portable control unit.	

S No	PARTICULARS	BHEL SPECIFICATION	BIDDER'S OFFER [With complete Technical Details]
4.1	Grinding cum polishing unit	The minimum desired features are enlisted below	
4.2	Cable	Flexible and soft type electrical cable to connect the motor drive to the control unit.	
4.3	Motor	AC single Phase (230V 50Hz) / DC Motor with 100 to 6500 rpm. Smooth running motor without overheating during operation.	
4.4	Control Unit	Shall contain mains on / off switch, a power supply for the motor and speed (rpm) controller / regulator. Overload switch with a light indicator or alarm. All shall be well packed in a shoulder bag for easy carrying of the equipment.	
4.5	Input Electric Power Supply	230 \pm 10 % V , 50Hz, Single Phase AC through a 3 wire system [Phase ,Neutral & Protective Earthling]	
4.6	Weight of the equipment	Should not be more than 6 kgs including the equipment cover.	
4.7	Portable Microscope	Provided with 10X eye piece, 10X, 20X and 40X objectives. Graduated eye piece in mm for measurement. Simple carrying case for the microscope with battery unit. Battery may be chargeable or non chargeable type. Supplier to specify the battery type.	
4.8	Cellulose acetate film for replication	25 micron thick and 25 mm wide cellulose acetate replica film 10 rolls, each of about 5 m in length.	

S No	PARTICULARS	BHEL SPECIFICATION	BIDDER'S OFFER [With complete Technical Details]
5.0	Spares	One set of Drive unit, straight and right angle handles are to be supplied along with the machine. BIDDER has to list down all the other SPARES and QUOTE with UNIT RATE for all the listed consumables, to be procured with the equipment.	
6.0	Accessories	BIDDER to list down (with UNIT RATE) the various ACCESSORIES to be procured with the EQUIPMENT to enhance the Operating Efficiency and Features of the OFFERED EQUIPMENT,	
7.0	Installation and Commissioning	The Equipment with all Accessories is to be installed & commissioned at BHEL works , FREE OF COST , by the Service Engineer of the SUPPLIER	
8.0	Documentation in ENGLISH language	3 Copies of the Operation & Maintenance Manuals containing Electric Schematics, Circuit diagrams, PCB Drawings, Trouble Shooting Charts, Mechanical Sub-Assemblies, Rating of Bought-Out Items, etc. shall be supplied.	
9.0	Performance Guarantee	The Equipment & Accessories (including Bought-Out Items) are to be guaranteed for its performance for a minimum period of one year from the date of performance acceptance at BHEL Works.	
10.0	Training on operations & Maintenance	Complete Training for BHEL Engineers is to be given on operation & Maintenance of the OFFERED EQUIPMENT at BHEL works, after the successful commissioning of the Equipment & Accessories	

S No	PARTICULARS	BHEL SPECIFICATION	BIDDER'S OFFER [With complete Technical Details]
11.0	Service support Requirements.	Vendor shall ensure AMC service facilities in India after the guarantee period , through trained service personnel in India	
12.0	Annual Maintenance Contract	The BIDDER has to QUOTE for AMC under two patterns given below ,for a period of 3 YEARS after the expiry of Original WARRANTY period:	
12.1	AMC – CASE I	Technical service for preventive Maintenance, Trouble Shooting and Re- Commissioning of the Equipment EXCLUDING the Cost of SPARES and Consumables [BHEL will arrange for spares & Consumables]	
12.2	AMC – CASE II	Technical service for preventive Maintenance, Trouble Shooting and Re- Commissioning of the Equipment INCLUDING the Cost of SPARES and Consumables [BHEL will not be responsible for the timely availability of spares & Consumables]	
12.3	AMC - RESPONSE	THE BIDDER HAS TO FURNISH / INDICATE THE RESPONSE TIME FOR THE SERVICE ENGINEERTO BE AT BHEL WORKS, FROM THE TIME OF REPORTING BREAKDOWN THROUGH E-MAIL or TELEFAX.	
12.4	AMC – Service Calls	The BIDDER has to furnish details on service calls for preventive maintenance (number of calls and intervals) and break-down maintenance.	