



# BHARAT HEAVY ELECTRICALS LIMITED

( A Government of India Undertaking )  
HIGH PRESSURE BOILER PLANT  
PURCHASE DEPARTMENT - FOSSIL BOILERS  
THIRUCHIRAPALLI - 620014  
TAMILNADU (INDIA)

PHONE :2577645  
GRAMS : BHARATELEC  
FAX NO: 2520719  
E-mail: srchandran@bheltry.co.in  
Web:

429-002/A

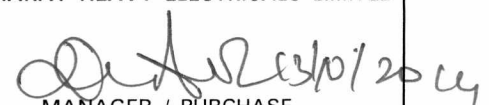
	<b>Enquiry No</b>	<b>Enquiry Date</b>	<b>Due Date for Quotation</b>
	2691400115 - 41	09.10.2014	05.11.2014
Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	<p>HYDRAULIC AUTOMATIC SPECIMEN MOUNTING PRESS</p> <p>1. A fully automatic Electro-hydraulic Single cylinder mounting press suitable for metallography sample mounting using thermosetting resins, including all Phenolics.</p> <p>2. Mounting unit Diameter approximately in the range of minimum of 30 mm and upto/more than 40 mm</p> <p>3. Mounting Heating temperature: 80 Deg C to 200 Deg C adjustable in steps of 5 deg C</p> <p>4. Mounting press</p> <p>a. Force range KN : 50 to 350 bar adjustable in steps of 25 bar</p> <p>b. Heating time : 0 to 15 min adjustable in steps of 30 sec</p> <p>c. Cooling time : 0 to 15 min adjustable in steps of 30 sec</p> <p>5. Operation - Hydraulic, automatic and microprocessor controlled</p> <p>6. Controls</p> <p>a. Touch front panel controls</p> <p>b. Individually controlled parameters: temperature, force/pressure, heating time, cooling time &amp; all should be controlled individually.</p> <p>7. Display</p> <p>a. LCD Digital display, of heating time, mounting temperature, cooling temperature, ram up/down, auto/manual cooling, cycle start/stop and a direct reading pressure gage.</p> <p>b. Display and touch pad controls: The machine should have a LCD display, which should graphically show parameter settings and mounting progress. Also it should be touch panel control.</p> <p>8. Cooling System</p> <p>a. Cooling Medium : Water (tap water)</p> <p>b. Cooling Cycle : Automatic</p> <p>c. Suitable recirculation water cooling system must be quoted as optional</p> <p>9. General requirements</p>	NO	1.000	1.00	01.12.14

The offers should reach us 30 minutes before the time of opening of tenders.  
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

D. CHANDRAMOHAN  
Senior Manager / MM / RM  
Purchase / CP & SP  
BHEL, TIRUCHY - 620 014.

Yours faithfully,  
For **BHARAT HEAVY ELECTRICALS LIMITED**

  
MANAGER / PURCHASE  
(FOSSIL BOILERS)  
Yours faithfully,



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- a) Automatic dosing system for faster and accurate filling of cylinders  
b) Turn/push knob and large display  
c) Hydraulic system with high accuracy pressure control.  
d) Automatic detection of cylinder dimension: The machine should be able to detect cylinder dimensions automatically.  
e) Simple access for easy cleaning  
f) Noise level less than 60dB.  
g) Alarm System: The mounting machine should come with an alarm, notifying the user when the mount is ready.  
h) Sample mounting diameters: The mounting machine should have facility to use diameters: approx. 1.5 and 2 inch.  
i) The mounting machine should have Easy access to mounting unit & Easy cleaning facility.  
j) Up & down movement of the ram should be motorized with touch-pad controls on the front panel.  
10. Safety: Alarms and signals  
a) Necessary alarm/ signal / flashing light to be provided to indicate progress  
b) Audible/warning signal to be provided to indicate end of cycle or Auto detection and auto switch over system  
11. Power supply a) 200-240V / 50-60Hz  
12. Spares/Consumables  
a) Different size of Mounting Cylinders available Diameter above or equal to 40 mm (1 number)  
b) Mounting powder (preferably Transparent Powder and Conductive Powder Phenolic, epoxy or compression mounting resins) - pack of 7 - 10 kg  
c) Antistick powder for easy removal of mount or Mount release reagents  
d) Small clips to hold thin specimen vertically should also be quoted.  
e) OEM suggested spare (which may not covered under warrant) for two year trouble free operations.  
13. Qualifying condition :  
The supplier shall be an Original equipment Manufacturer (OEM) or certified agent of OEM. List of Hot mounting press supplied in this category to various customers to be enclosed with full contact details.  
Vendor must submit performance certificate from at least one customer, who is using similar equipment.  
HYDRAULIC AUTOMATIC SPECIMEN MOUNTING PR

20

NO

3.000

3.00


01.12.14

1. Suitable for High volume specimen

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13/10/2014  
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preparation Includes compartments  
for storing consumables  
2. 10" Four disc polisher  
3. Rigid floor model corrosion proof steel  
cabinet with Compartments for  
keeping consumables  
4. Motor Specification  
Variable speed AC drive  
Individual drive  
Variable Speed AC Drive with RPM  
operating range of approx.  
50-600 (minimum)  
0.5 HP AC Motor -Individual Drive  
5. Power Supply : 230V / 50Hz  
6. Corrosion Resistant wash bowl with free  
7. Flow drain design  
8. Flexible water jet with control valve  
9. Two number of Extra Aluminium Disc (Inter  
Changeable), Holding Band  
and Holding Ring (Press Type)  
10. Magnetic substrate for all disc  
11. Ferromagnetic carrier sheet for all disc  
12. Spares : Two number of Extra Aluminium  
Disc (Inter Changeable),  
Holding Band and Holding Ring (Press Type)  
13. Consumables  
a) Emery water proof PSA papers - Grit  
80,100,180,220,320,500,1000 : 1  
set each (1 set contains 100 nos of papers)  
and Grit 2000 & 4000  
- 1 set each (1 set contains 50 nos of papers)  
b) Polishing cloths. (100 nos)  
c) Colloidal Silica/ Alumina or Suspension -  
10000 ml  
d)Diamond consumables - 0.5, 1, 3, 6, 9  
micron (25 Nos. each)  
14. Qualifying condition :  
The supplier shall be an Original equipment  
Manufacturer (OEM) or  
certified agent of OEM. List of polishing  
equipment supplied in this  
category to various customers to be enclosed  
with full contact details.  
FLOOR MODEL DOUBLE DISC  
GRINDER/POLISHER

## General Note:

PL. SUBMIT YOUR OFFER ON F.O.R - BHEL, TRICHY (TAMILNADU) BASIS AND IN  
TWO PART (TECHNO-COMMERCIAL BID AND PRICE BID) IN A SEPARATE COVER.

IF THE OFFER IS SUBMITTED IN SINGLE PART AND THE SAME WILL BE LIABLE FOR  
REJECTION.


ANNEXURE-III ENCLOSED HERewith MUST BE FILLED, SIGNED AND SUBMITTED  
ALONG WITH YOUR OFFER.

THIS TENDER IS HOSTED IN BHEL WEBSITE VIDE NIT REF. \_\_\_\_\_ DT. \_\_\_\_\_

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AND ANY CORRIGENDUM MAY PL BE VIEWED IN THE BHEL WEBSITE (HTTP://  
WWW.BHEL.COM)

ENCLOSURE: ANNEXURE - III

MSME VENDOR GIDE LINES WILL BE FOLLWDED FOR THIS TENDER

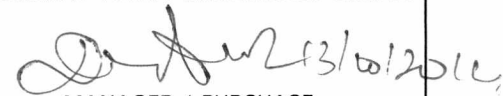
**Enclosures:**

"LD clause has to be confirmed without fail."

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# COMMERCIAL TERMS& CONDITIONS

# ANNEXURE-III(m)

Bharat Heavy Electricals Limited, Tiruchirapalli – 620 014, Tamilnadu

MM: CP & SP

(Check List - to be filled and submitted along with Techno-Commercial Bid)

Sl. No.	BHEL Commercial Terms and Conditions for Indigenous Supplies	Vendor's Confirmation / Comments
1	Bid should be submitted in <b>Two Parts</b> . 1. Techno-commercial Bid (Part-I) and 2. Price Bid (Part-II) in a <b>separate sealed cover and both the covers must be placed in a Third Cover and Sealed. Our Enquiry No., Enq. Date &amp; Enq. Due date must be written on all Three covers</b>	
2	Technical confirmation to BHEL's Specification shall be furnished. If needed additional sheets shall be used.	
3	<b>Prices shall be quoted item wise only.</b>	
4	Delivery INCO TERMS- Price quoted <b>-FOR BHEL TRICHY, STORES or ex- WORKS Basis or, FOR WORKS (DESPATCHING STATION)</b> <b>In case of EX works / FOR WORKS basis, indicate the Despatching station.</b>  Prices shall be quoted on <b>"FIRM PRICE"</b> basis only.	
5	<b>Validity of offer</b> shall be for a minimum period of 120 days from the date of Tender opening	
6	<b>Delivery period</b> from the date of Letter of Intent / Purchase order	
7	Liquidated damages shall be 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value. Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).	
8	<b>Payment term for supply portion:</b> Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials. <b>Note:</b> Only Direct Payment after goods receipt & acceptance will be accepted .Above payment term acceptance is essential for consideration of your offer  <b>Any deviation in the above payment term will attract loading as mentioned below.</b> <b>"Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.</b>  Payment through Bank is not preferred. In case of Payment through Bank is opted by Supplier, BHEL prefers documents submission through bank with copy of LR and door delivery of Goods to Stores with Consignee copy attached. In this case Loading will be 3% on the offered value. Offers of indigenous Suppliers with payment terms as <b><u>LC/Advance Payment are liable for rejection.</u></b> <b>Important Note: BHEL will consider the ranking after the loading is applied as referred vide Sl. No. 7&amp; 8 above wherever deviations are observed.</b>	
9	<b>Following Risk Purchase clause</b> shall be applicable: The purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated or if the same were not available, the best and the nearest available substitute therefore. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.	
10	<b>Erection / commissioning: (if applicable only)</b> Erection / commissioning charges if any has been mentioned in the offer or else confirmation that Erection / commissioning shall be done at free of cost is available in the offer.	
11	The equipment shall be guaranteed as per tender condition from the date of receipt & acceptance./(commissioning (commissioning date ,if applicable as per tender condition)  Normally No deviation permitted and the <b><u>deviated offers are liable for rejection.</u></b>	

**COMMERCIAL TERMS& CONDITIONS**

**ANNEXURE-III(m)**

12	Equipment will be inspected at vendor’s works prior to dispatch if applicable. However final inspection and acceptance of equipment will be after installation at BHEL, Trichy, Tamilnadu.	
13	The vendor shall provide necessary drawings, Test Certificates and Operating Maintenance Manuals etc., as called for in the Technical Specification, in the required number of copies at no extra cost.	
14	Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy, Tamilnadu basis.	
15	Performance Bank Guarantee, if applicable as per tender condition. Normally No deviation permitted and the <b><u>deviated offers are liable for rejection.</u></b>	
<b>OTHER DETAILS REQUIRED</b>		
16	% of Excise Duty with cess	
17	% of TAX (VAT) (TNGST with FORM-17)	
18	% of TAX (VAT) without form	
19	% of TAX (CST) (CST with C-FORM)	
20	% of TAX (CST) without form	
21	Packing & Forwarding Charges ( <b>in % only</b> )	
22	Freight& transit insurance charges, if any( <b>in % only</b> ) Freight charges from Dispatching station to BHEL, Tiruchirapalli (Note: If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only ,in this case the freight will be borne by BHEL)	
23	Approximate Net weight of the total consignment	
24	Approximate Gross weight of the total consignment	
25	Approximate Dimensions of the Consignment	
26	Name of the contact person	
27	Land Line Number	
28	Fax Number	
29	Mobile Number	
30	E-mail ID	
31	PAN No.	
32	CST No.	TIN No.

- a) It is confirmed that all the terms and conditions stipulated in the Enquiry have been fully understood by us and all clarifications & details have been obtained.
- b) Applicable % of ED, Sales Tax -CST or VAT, Service Tax), Freight, Insurance and Installation and Commissioning Charges etc., are indicated in offer.

Full postal Address:

Signature & Office Seal of the vendor

**Note:-**

Your specific acceptances to our Payment terms, LD & Risk Purchase (RP) Clause are essential for consideration of your offer. Otherwise your offer is liable for rejection.  
No row shall be left blank. Please indicate NA, in case the item is “not applicable