



**ENQUIRY**  
(INDIGENOUS)

## BHARAT HEAVY ELECTRICALS LIMITED

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

PHONE :2577152  
GRAMS : BHARATELEC  
FAX NO: 2520193  
E-mail: ssraj@bheltry.co.in  
Web:

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429-002/A

Enquiry No	Enquiry Date	Due Date for Quotation
2801200002 - CCDP	12.01.2012	08.02.2012
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	100 NB DOME VALVE WITH PNEUMATIC CYLINDER AND PNEUMATIC PANEL CONSISTING OF SOLENOID VALVES AND PRESSURE SWITCHES DOME VALVE 100 NB	NO	2.000	2.00	08.03.12
20	200 NB DOME VALVE WITH PNEUMATIC CYLINDER AND PNEUMATIC PANEL CONSISTING OF SOLENOID VALVES AND PRESSURE SWITCHES DOME VALVE 200 NB	NO	2.000	2.00	08.03.12

### General Note:

- 1) OFFERS WILL BE INVITED IN TWO PART BID ONLY.
- 2) IF REGRETTEED MAKE MENTION ON THE TOP OF THE REPLY COVER AS"REGRETTEED"
- 3) LD CLAUSE HAS TO BE CONFIRMED WITHOUT FAIL,OTHERWISE WE WOULD ASSUME THAT YOU HAVE ACCEPTED OUR LD CLAUSE.
- 4) REQUIRED:a)GUARANTEE CERTIFICATE b)TEST CERTIFICATE
- 5) THE PREFERRED PAYMENT TERM IS 100% PAYMENT AFTER RECEIPT AND ACCEPTANCE OF MATERIALS.
- 6) ADVANCE OR PROFORMA INVOICE PAYMENT IS NOT ACCEPTED.
- 7) TRANSPORT AND DELIVERY AT BHEL / SHALL BE VENDOR'S SCOPE.
- 8) TENDER DETAILS ALSO HOSTED IN BHEL WEB: ' www.bhel.com '.

### Enclosures:

"LD clause has to be confirmed without fail."

"Payment to vendors will be made only thro E-Payment mode"

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.

Yours faithfully,  
For BHARAT HEAVY ELECTRICALS LIMITED

S. Subburaj  
Deputy Manager / R&D and CR,  
Bharat Heavy Electricals Limited,  
Coal Research Centre Building,  
Tiruchirapalli - 620 014.

MANAGER / PURCHASE  
(FOSSIL BOILERS)  
Yours faithfully,

## BHEL/Trichy-14

### CCDP

#### SYSTEM DESCRIPTION FOR DOME VALVE:

The Dome Valve is a pressure tight, power operated Valve for application in Material Inlet / Vessel Discharge / Line Change over etc. The Valves should be provided with an Inflatable sealing arrangement. It should be designed to open and close by actuating a Pneumatic Cylinder by an external 5/2 Solenoid Valve. Sealing of inflatable seal is to be done by another external 3/2 Solenoid Valve.

#### Scope of supply:

Dome valve 100 NB & 200 NB with complete assembly. Dome & top plate, air limit switch, neoprene insert seal & air cylinder but with pneumatic panel consisting solenoid valve & pressure switch.

#### Technical Specification:

- |  |   |  |
|--|---|--|
| 1. Number of Dome valves with accessories: | : |  |
| a. 200 NB Valve                            | : | 2 Number                               |
| b. 100 NB Valve                            | : | 2 Number                               |
| 2. Operation                               | : | Pneumatic                              |
| 3. Type & connection                       | : | Flanged                                |
| 4. Valve working pressure                  | : | Restricted to 6 Kg/cm <sup>2</sup> (g) |
| 5. Available Instrument air pressure       | : | 6 Kg/cm <sup>2</sup> (g)               |
| 6. Spare Parts                             | : | Should be easily replaceable           |
| 7. Pneumatic Cylinder Make                 | : | Rotex or equivalent                    |
| 8. Pneumatic Limit Switch Make             | : | Rotex or equivalent                    |
| 9. 5/2 Solenoid valve for each valve       | : | 1 No (110 VAC, 50 Hz)                  |
| 10. 3/2 Solenoid valve for each valve      | : | 1 No (110 VAC, 50 Hz)                  |
| 11. Pressure switch for each valve         | : | 1 No                                   |
| 12. Hardness                               | : | 150 -250 BHN or more                   |
| 13. Material of construction               | : |  |
| a. Body, Top Plate, Spigot, Insert Ring    | : | CI or equivalent                       |
| b. Drive and Driven Shafts                 | : | SS or equivalent                       |
| c. Dome                                    | : | Graded Cast Iron or equivalent         |
| d. Inflatable Seals                        | : | Silicon                                |
| e. Shaft Seals                             | : | Viton or equivalent                    |
| f. V Ring Seals                            | : | Neoprene or equivalent                 |
| g. Top Plate to Body Gasket                | : | Neoprene or equivalent                 |



An ISO 9001 Company

Bharat Heavy Electricals Limited  
R & D and Coal Research  
Coal Research Centre  
Tiruchirappalli-620014, Tamil Nadu, India

## **COMMERCIAL TERMS AND CONDITIONS FOR SUBMISSION OF OFFER**

### **1.0 QUOTATIONS**

Bidders shall submit the offer in **TWO INNER ENVELOPES** as indicated below which shall be sealed in one outer envelope.

**Envelope I** This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked **"Part I - Technical and commercial bid"**, indicating Enquiry No., Due Date and Address & Reference of the Bidder.

**Envelope II** This sealed envelope should contain **price details**. This envelope should be clearly marked **"Part II - Price bid"**, indicating Enquiry No., Due Date and Address & Reference of the Bidder.

Both the envelopes ( Part I & II) shall be put in one cover, duly sealed, superscribing as Part I and Part II of Enquiry No., due date of opening and the address and reference of the Bidder.

The above offer should reach this office on or before the due date by 14.00 Hrs (IST). Late offers will not be considered. We suggest you to send the offer by SPEED POST.

Tender should not be addressed to any Individual's name but only by designation to:

**AGM / R&D and Coal Research  
Purchase Department  
Coal Research Centre (WRI Complex)  
BHARAT HEAVY ELECTRICALS LIMITED  
TIRUCHIRAPALLI - 620 014  
TAMIL NADU, INDIA**

Contact Phone No. 0431-257 7152 / 257 7558

Tenders should be free from **CORRECTION AND ERASURES**, Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

Offers should be in **ENGLISH** and accompanied by detailed technical literature, catalogue and details of process facility in **ENGLISH**.

## **2.0 PART I (TECHNICAL & COMMERCIAL BID)**

### **2.1 Technical**

This part shall include / indicate the following:

Offer should contain complete scope of supply with all technical details, specifications, delivery and other commercial terms and conditions.

### **2.2 Commercial**

This part shall include / indicate the following:

- 2.2.1. Port of shipment / Station of despatch
- 2.2.2. Terms of payment
- 2.2.3. Taxes & duties applicable.
- 2.2.4. Delivery Schedule
- 2.2.5. Offer validity
- 2.2.6. Country of origin
- 2.2.7. A copy of "Un-Priced Part II" i.e., a copy of the Price Bid **without the price details** to be enclosed.

## **3.0 PART II (PRICE- BID)**

This part should contain the schedule of price particulars and to be co-related to the technical details provided in Part I.

## **4.0 OPENING OF TENDERS**

The Part I - Technical & commercial bid alone would be opened on the Tender opening date.

The Part II - Price bid of Technically suitable Bidders alone would be opened. The Technically suitable Bidders would be informed about the tender opening date. Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part II - price bid.

## **5.0 GENERAL**

5.1. Incomplete offers will not be considered.

5.2. **Terms of Delivery:** Bidders are required to quote their best delivery period. Foreign Bidders should submit their offer for net **FOB - Nearest Sea Port / Air Port**. Indian Bidders should submit their offer for **Ex-Works /F.O.R basis**. Delivery shall be counted from the date of Letter of Intent.

5.3. **Taxes and Duties :** All Taxes and Duties payable as extra to the quoted price should be specifically stated in offers along with CST & TIN No etc., failing which the purchaser will not be liable for payment of such Taxes and Duties.

*Note : We are not eligible to issue C Form.*



**BHARAT HEAVY ELECTRICALS LIMITED**  
**R&D / PURCHASE**  
**TIRUCHIRAPALLI - 620 014.**

**PURCHASE ENQUIRY - TERMS & CONDITIONS**

1. a) **QUOTATIONS** : Each tender should be sent in double cover, inner cover should be sealed with tenderer's distinctive seal and super scribed with correct tender No. item of supply and due of opening. The outer should only bear the address of this office and should not have any indication that a tender is within. Two or more quotation should not be sent in one cover but the quotation against each tender should be sent separately to avoid confusion. Tender should not be addressed to any individual's name but only by designation.  
b) Tender should be free from CORRECTION AND ERASURES. Correction if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words prevail.  
c) **PRICE** should be nett F.O.R. dispatching station inclusive of risk in transit and remain valid for 60 days from the due date.  
d) If any Sales Tax is payable as extra to the quoted price it should be specifically stated in quotations alongwith CST & TNGST No. failing which the purchaser will not be liable for payment of Sales Tax. Our T.N.G.ST. No. 356005, Dated 01-04-1995, C.S.T. No. 239383, Dated 11-06-1991.  
e) **NO REVISION OF PRICES** will be entertained after tenders are opened.  
f) **Manufacturer's Name, Trade Mark or Patent No.** if any should be specified. Illustrative leaflets giving technical particulars are required along with quotation wherever necessary.  
g) **Products with I.S.I. certification marks** will be preferred.  
h) The purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.
2. **SAMPLES** : Wherever possible, sample should be submitted separately whether specifically requested or not so as to reach the purchaser on or before the due date of the enquiry. They should be clearly marked with the Enquiry No. and the date on the outside cover to facilitate identification.
3. **PACKING AND MARKING** : The supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit.
4. **TERMS OF PAYMENT** : Payment will be made within 45 days of satisfactory receipt of materials at site. Wherever required by the purchaser, the successful tenderer must send the operation and maintenance manuals, Test certificates, Drawings, etc., for the materials ordered. These should be sent immediately after dispatch of the materials and a statement to that effect should be made in the Invoice. Failure to comply with this provision will result in delay in payment of the Bills. Goods dispatched either by V.P.P. or by the document presented through bank will be accepted unless agreed to by the Purchaser.  

The duplicate copy of the Invoice meant for the transporters should accompany the material as stipulated under C.E. Rules 52-A and 173-C (or) 57GG. A Photostat copy of the above Invoice for each delivery challan should be submitted alongwith the original bills router through Bank or submitted directly to BHEL Finance Department.
5. **SECURITY DEPOSIT** : For purchase over Rs. 5000/- the successful tenderer/s may be requested to furnish a **BANK GUARANTEE / SECURITY DEPOSIT** for an appropriate value as may be determined by BHEL.
6. **LIQUIDATED DAMAGES / PENALTY AND INTEREST ON ADVANCEES FOR DELAY IN DELIVERY** : "If the supplier fails to deliver the raw material / Equipment / Components within the period specified in the contract the purchaser shall deduct LIQUIDATED DAMAGES a sum equivalent to 0.5% of the Price for each week of delay upto a maximum of 15% of the price of the delayed / undelivered goods. In addition to the recovery of interest at normal cash credit rate plus 2% for the unadjusted portion of the advances. If the delay in delivery of a part contributes to delay in execution of total system. LD and interest on advances will be recovered on the total contract price / total advance paid".
7. **RISK PURCHASE** : Alternatively 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 as aforesaid 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 in addition to penalty at the rate mentioned in clause 6 above.
8. **PREFERENTIAL DELIVERY** : It should be noted if a contract is placed on a higher tenderer as results of this invitation to tender in preference to the lowest acceptable offer in consideration of the earlier delivery, the seller will be liable to pay to the purchaser the difference between the contract rate and that of the lowest acceptable tender on the basis of final price F.O.R. DESTINATION, including of all elements of Frights, Sales Tax, Duties and other incidents, incidental in case of failure to complete supplies in terms of such contract within the date of delivery specified in the tender and incorporated in the contract.
9. **MODVAT CREDIT** : If any Excise Duty is payable, the chapter Head / Sub-Head reference and the rate of the duty should be quoted. If the tender is availing MODVAT credit for his input materials, the effect of Proforma credit should be passed on to the purchaser. Tenderer under "MODVAT" shall be preferred.
10. **GENERAL** : The purchaser reserves the right to split up the tender and place order for individual terms with different tenderers and also increase or decrease the quantity.

Any other Conditions which might have been quoted by the Seller and are in contravention to the terms prescribed in the order and which have not been specifically accepted in by Purchaser will not be applicable to the Contact.



## BHARAT HEAVY ELECTRICALS LIMITED

R&D

TIRUCHIRAPALLI – 620 014.

MATERIAL MANAGEMENT DEPARTMENT

### ANNEXURE TO PURCHASE ENQUIRY

Please ensure that the following details are incorporated in your Offer.

1. PRICE : Ex-Works / Ex-Godown  
(or) F.O.R. – DESTINATION
2. DISCOUNT : % (or) Lumpsum amount – Rs. ....
3. PACKING & FORWARDING : % (or) Lumpsum amount – Rs. ....
4. TAX : TNGST % / CST %  
without concession and with concession  
(since, we are not eligible for Form-C please, FULL TAX may be mentioned)  
(Rates of applicable Taxes & Duties and whether inclusive  
or exclusive should also be mentioned)
5. SURCHARGE : %
6. DUTIES : %
7. FREIGHT & INSURANCE : %
8. DELIVERY PLACE :
9. DELIVERY PERIOD :
10. LD / PENALTY FOR DELAY IN DELIVERY : @ 0.5% PER WEEK SUBJECT TO A  
MAXIMUM OF 15% IS APPLICABLE.  
CONFIRM YOUR ACCEPTANCE.
11. OFFER VALIDITY :
12. PAYMENT TERMS : BHEL Payment terms are –  
1) 90% Payment through Bank against  
proof of despatch documents. Balance 10%  
after receipt and acceptance of materials.  
2) 100% payment within 45 days after  
Receipt and Acceptance of Material.
13. GUARANTEE / TEST CERTIFICATE:

SIGNATURE OF SUPPLIER WITH SEAL

NOTE : Please do not Quote as EXTRA,  
Quote the Rate in % / The Amount in Rupees.