

 432-003	ENQUIRY VALVES	Bharat Heavy Electricals Limited (A Government of India undertaking) HIGH PRESSURE BOILER PLANT PURCHASE DEPARTMENT/VALVES TIRUCHIRAPPALLI-620 014.	Phone:04312577913 FAX :0431-2520383 Email: fayasmalik@bheltry.co.in valpursd6@bheltry.co.in
	ENQUIRY NO. RC-SHP-940	DATE 16.10.2014	DUE DATE FOR QUOTATION 06.11.2014
Please quote Enquiry No., and due date in correspondences This is only a request for quotation and not an order.			
Supply of ISO BALL VALVE as per annexure enclosed. <u>Date , Time & Venue of tender opening :</u> 06.11.2014 at 14.30 Hrs. at Valves Purchase Conference Hall , Building No 24, III Floor BHEL, Tiruchirappalli-620 014, Tamil Nadu State, India.	<u>Scope of supply</u> Supply of ISO BALL VALVE for HP Bypass valve system. -List of Annexures Annexure 1-Scope of supply. Annexure 2 –Terms & conditions. Annexure 3- MOU specification.		
<p>The rate of Excise Duty and Sales Tax, Prevalent on the date of quotation, should be clearly indicated in the quotation itself.</p> <p>Please, submit your lowest quotation in duplicate subject to our terms and conditions , for the above materials, so as to reach us on or before the due date by 14.00 Hrs. (IST)</p> <p>Quotation will be opened at 14.30 Hrs. (IST) on the due date in the presence of tenderers who may like to be present.</p> <p>Late tenders are liable to be rejected.</p>		<p style="text-align: right;">Yours faithfully,</p> <p style="text-align: right;">For Bharat Heavy Electricals Ltd</p> <p style="text-align: right;">Fayas Malik K Engineer/Purchase/Valves</p>	

Annexure 1-Scope of Supply

<u>Eng</u> <u>SI No</u>	<u>Material code</u>	<u>Description</u>	<u>Text data</u>	<u>Specification</u>	<u>Qty (Nos)</u>
10	974505230000	ISO.BALL VALVE DN13PN500	ISOLATING BALL VALVE DN 13 PN 500 (MODEL NO. BKH-16S-112A) BLOCK TYPE (MALE THREAD M24 X 1.5 WITH BALL SEAL MADE OF POLYAMIDE. BALL VALVES SHALL BE WITH RAISED HANDLE & WITH SURFACE PROTECTIVE COATING LIKE YELLOW CHROMATED SURFACE.	MOU-Annexure 3	700
20	974509700000	ISO.BALL VALVE DN16PN400	ISOLATING BALL VALVE DN 16 PN 400 (MODEL NO. BKH-20S-1123-SW12) BLOCK TYPE (MALE THREAD M30 X 2 WITH BALL SEAL MADE OF POLYAMIDE)	MOU-Annexure 3	10
30	974509840000	ISO.BALL VALVE DN13PN500	ISOLATING BALL VALVE DN 13 PN 500 (MODEL NO. BKH-DN13-16S-112B Zn)BLOCK TYPE (MALE THREAD M24 X 1.5 WITH BALL SEAL MADE OF POM. ALL VALVES SHALL BE WITH RAISED HANDLE & WITH SURFACE PROTECTIVE COATING LIKE YELLOW CHROMATED SURFACE. ALL 'O' RINGS SHALL BE MADE OF EPDM perox.. BALL VALVES SHALL BE COMPATIBLE WITH FIRE RESISTANT FLUID (FYRQUEL).	MOU-Annexure 3	150
40	974509970000	ISO.BALL VALVE DN25PN315	ISOLATING BALL VALVE DN 25 PN 315 (MODEL NO. BKH-30S-1123) BLOCK TYPE (MALE THREAD M42 X 2 WITH BALL SEAL MADE OF POLYAMIDE)	MOU-Annexure 3	150



BHARAT HEAVY ELECTRICALS LTD

VALVES PURCHASE

Trichy - 620 014. India

GENERAL TERMS AND CONDITIONS-INDIGENOUS

1. QUOTATIONS:

- a. **BID system:** The offers are invited in Three part bid system (Part I will be Prequalification bid, Part II will be Techno-commercial bid and part III will be Price Bid)
- b. **Submission of Tender:** Each offer should be sent in triple cover separately for each bid and the same should be sealed and super scribed with correct Tender No., description & due date of opening. The outer cover should only bear the address of this office and should not have any indication that a tender is within. Two or more quotations should not be sent in one cover. Tender should not be addressed to any individual's name but only by designation.
- c. **Late tenders:** Late tenders will not be considered under any circumstance.
- d. **Regulations:** 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 figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.
- e. **Duties and Taxes:** If any Sales Tax is payable as extra to the quoted price, it should be specifically stated in quotation along with CST & T.N.G.S.T No. failing which the purchaser will not be liable for payment of Sales Tax. Our T.N.G.S.T No. 3550005 Dated 01-04-1995 C.S.T. No. 259383 Dt. 11.06.1991.
- f. **PVC:** Price Variation clause not acceptable. Prices should be firm.
- g. **Catalogue:** Manufacturer's name, Trade Mark or Patent No. if any should be specified. Illustrative leaflets giving technical particulars are required along with quotation. Products with ISI certification will be preferred
- h. **Samples:** Samples should be submitted separately if specially requested in tender before due date of the enquiry. They should be clearly marked with the enquiry No and date on the outside cover to facilitate identification.
- i. **Deviation.** Any deviations from the specification are to be furnished separately as "Schedule of Deviation". If there is no deviation vendor should indicate "No Deviation".
- j. **Confirmation:** Confirmation for compliance is to be given in the offer for all the techno commercial conditions specified in the specification.

2. COMMERCIAL TERMS & CONDITIONS:

- a. **MOU:** All vendors should sign MOU with BHEL as attached without which offers will not be considered
- b. **Delivery period:** 10 weeks from date of purchase order.

3. EVALUATION

Part I-Techno-commercial Bid.

- a. All Vendors should submit supply record, end user certificate and PO reference, catalogue etc...
- b. Vendor who are not in BHEL Trichy Product Material Directory (PMD), Vendor should submit duly filled supplier registration forms (SRF) which can be downloaded from our website www.bhel.com and supporting documents to the data filled in SRF.
- c. Vendors who are registered in other BHEL units can submit vendor code, Name of BHEL unit, Nature of item supplied, Vendor performance rating along with supplier registration form (SRF).
- d. BHEL reserves right to visit vendor works before registration for verification of facilities.
- e. Vendor who doesn't have manufacturing capacity/capabilities/credentials will be rejected.
- f. Offers from supplier not having technical capability or not agreed for commercial terms, will be rejected

Part II-Price Bid.

- a. Bidders qualified for both part I and part II will be intimated for participating in priced bid opening/Reverse Auction.
- b. L1 bidder will be decided based on landed cost for the equipment to BHEL.
- c. For evaluation, the exchange rate shall be taken as TT selling rate of SBI on date of Part-1 bid opening.

4. SPECIAL TENDER:

The above offer should reach the following office address on or before the due date 06.11.2014 by 14:30 hours (IST). Late offers will not be considered in any circumstances.

TENDER BOX/PURCHASE/VALVES
III FLOOR, BUILDING 24
BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI – 620014
TAMILNADU, INDIA

Memorandum of Understanding (MOU) for supplying BALL VALVES

INTENT

The specification for the BALL VALVES is bifurcated in two broad sections as standard section and project specific section.

By this MOU, The standard section of the specification is mutually agreed and applicable for the purchase orders finalized against the Ball Valves requirements from BHEL/Trichy during the period of validity of this MOU.

Project specific section is the variable part of the specification. It contains all the requirements over and above the requirements of the standard section.

Contents

Standard Section

- 1.0 General conditions
- 2.0 Technical requirements
- 3.0 Documentation requirements
- 4.0 Quality requirements
- 5.0 Commercial terms

Project specific section

Project requirements (sample sheet – for information only)

1. General Requirements

- 1.1.** During the validity of this MOU, only the project specific section of the specification will be furnished with enquiries and standard section will not be discussed for any deviation/clarification etc.
- 1.2.** In case of the conflict in any requirement between standard and project specific section, the requirement of the project section is the final and binding.
- 1.3.** It is agreed that no deviations will be taken by the vendors on the standard section of the specification while submitting their offers against future enquiries.
- 1.4.** Since the standard section of specifications is standardized and an understanding has been reached, the future enquiries will be floated on "SINGLE BID SYSTEM" only. Hence, if any offer is found with deviations, the same will be totally rejected and will not be considered for further evaluation
- 1.5.** The validity of this MOU is for TWO years from the date of signing. After the expiry of the period, the same can be extended further with or without any modifications. However, in case any changes are required, the MOU may be amended before the expiry of the validity.
- 1.6.** If any special or non-standard tools are required for installation, the same shall be supplied along with the equipment and the list shall be as per the list included under section 3.0.
- 1.7.** Trouble-free operation of the equipment shall be guaranteed for a period of 12 months from the date of commissioning OR 18 months from the date of dispatch whichever is later.
- 1.8.** Since the vendor's works alone is approved by BHEL, it is agreed that the vendor will manufacture this item in their own works only and will not off-load the jobs to any other suppliers without the written approval by BHEL.
- 1.9.** All technical agreements held during clarifications would remain valid and binding.

2. Technical Requirements

2.1. Scope of Supply of Ball valves

The scope of this specification is for design, manufacture, testing, packing and dispatch of Ball Valves.

2.2. General data for selection of Ball valves

Sl.No	Parameters	Value
2.2.1	Dynamic Pressure	180 kg/cm ²
2.2.2	Static continuous pressure	200 kg/cm ²
2.2.3	Maximum working pressure	400 kg/cm ²
2.2.4	Maximum temperature of the medium	100 ⁰ C
2.2.5	Medium	Mineral Oil/Fire resistant fluid (As Per P.O)
2.2.6	Nominal Bore diameter	13 mm / 25 mm (AS Per P.O.)
2.2.7	Assembly	Shall be assembled with Stud couplings
2.2.8	Inlet and Outlet Connections	Suitable to directly connect to tube with OD 16mm x2 mm / OD30 mm x 4mm (AS Per P.O.)

2.3. Material Specific to Ball Valve

- 2.3.1. All materials for various parts should be suitable for the above working conditions and for the above medium.
- 2.3.2. The Ball should be made of corrosion resistant material and should be hardened and polished for minimum seal wear. Roughness should be below One Thousandth of a "MM".
- 2.3.3. The seat should be of soft High Quality Synthetic Compact ring.
- 2.3.4. O-rings for sealing at the stem should be made of Buna-N/compatible to Fire resistant Fluid (AS PER P.O.).
- 2.3.5. Material of ball seal shall be POLYAMIDE/DERLIN.
- 2.3.6. There should not be any sharp edges/corners in the ball valve.
- 2.3.7. Indications should be marked on the valve for direction of rotation for Open and Close of the valve.

2.4. Fittings specification

- 2.4.1. The fittings shall be suitable for service conditions indicated in 2.2.
- 2.4.2. Material of construction of the fittings (Carbon steel / Stainless steel) (AS PER P.O.).
- 2.4.3. Tolerance on the tube OD is +/-0.8mm.
- 2.4.4. Fittings shall be supplied along with suitable copper washers.
- 2.4.5. Carbon steel fittings should be phosphated and duly coated with rust preventive oil.

3. Documentation Requirements

DRAWING AND DATA SUBMISSION

All drawings, documents & literatures shall be in English language and in the Metric measurement system.

3.1. Along with MoU

- 3.1.1. Point wise compliance to the MOU specification and even if there is no deviation, bidder shall indicate "NO DEVIATIONS".
- 3.1.2. Latest catalogue of the Ball valves and fittings offered shall be provided.
- 3.1.3. Dimensional drawing of the ball valve along with fittings including weight and indicating the offered model code in it shall be provided for approval.
- 3.1.4. A cross section drawing indicating the location of seals.
- 3.1.5. Quality plan shall be provided for approval.

3.2. Along with Offer

- 3.2.1. Compliance to the MOU (MOU number, as applicable, shall be confirmed).
- 3.2.2. Copies of approved dimensional drawings of ball valve assemblies.
- 3.2.3. Copy of approved Quality plan.

3.3. After Placement of Offer

- 3.3.1. Compliance to the MOU (MOU number, as applicable, shall be confirmed)
- 3.3.2. Bidder shall provide approved quality plan.

4. Quality requirements

4.1. INSPECTION AND TEST REQUIREMENTS

- 4.1.1. As per approved Quality plan.

4.2. PACKING & DESPATCH

- 4.2.1. Shall be as per standard packing practice

4.2.2. Record of Revisions

Rev 00: First Release

5. Commercial comments

5.1. TERMS & CONDITIONS

- 5.1.1. Payment terms:** 100% payment after 45 days on acceptance of material in BHEL stores.
- 5.1.2. Liquidated Damage:** LD will be 0.5% per week of delay or part thereof subject to a maximum of 10% of the total order value.
- 5.1.3. Delivery Terms:** FOR BHEL Trichy basis ie Freight & insurance in vendors scope

5.1.4. Validity of Offer: Validity of the offer should be 120 days from the date of tender opening or 1 year from the date of tender finalization (As mentioned in the enquiry).

5.1.5. 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 seller either the whole of 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. Supplier shall be liable for any loss which the purchaser may sustain by reason for such risk purchases in addition to penalty at the rate mentioned in clause 2b above.

5.1.6. Taxes & Duties: Excise duty, sales tax and other levies (if any) shall be indicated as extra in the offer.

5.2. GENERAL CONDITION

5.2.1. BHEL reserves the right to increase, reduce or split the Tender Quantity and NOT to order for some or all material based on the changes in project.

5.2.2. BHEL will have the right to visit vendor works during the execution of contract along with end customer for verifying status, inspection and testing of the material.

5.2.3. BHEL reserves the right to negotiate with L1 or re-float the tender in case the quoted prices are not acceptable.

5.2.4. Compliance for MOU should be given in the offer.

5.2.5. Any warranty replacement during the warranty period shall be for Destination specified by BHEL.

5.2.6. The Drawing and Technical documents given in this tender are the sole property of BHEL. This should not be misused in any form.

5.3. DOCUMENTATION:

5.3.1. With Consignment: Original duplicate for transporter copy, Invoice, Packing List, Delivery Challan, O&M manual Material Test Certificate, Calibration Report, Compliance Certificate, Guarantee/Warranty Certificate etc...

5.3.2. Online Submission: Supplier should upload the soft copy of Test Certificates in BHEL website <http://vis.bheltry.co.in/vis/index.jsp> at Vendor information system tab.

5.3.3. To Finance: Original and Duplicate Invoice for payment should be sent directly
Senior Manager

Finance/Valves-Bills section
BHEL TRICHY 620014

5.3.4. To Purchase: Copy of Invoice, Packing list, LWB and Delivery challan.

5.4. PACKING

5.4.1. Supplier shall arrange packing to avoid lose or damages during Road Transport, Site handling & Storage.

5.4.2. Purchase Order, PO Item Sl No, Material code, Material detail and Quantity should be marked in the Packing clearly.

5.4.3. Packing dimension, if ODC dimension should be mentioned in the offer.

Project Specific Section

NIL

(sample sheet—for info only)