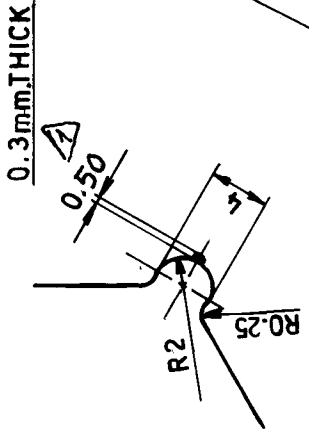
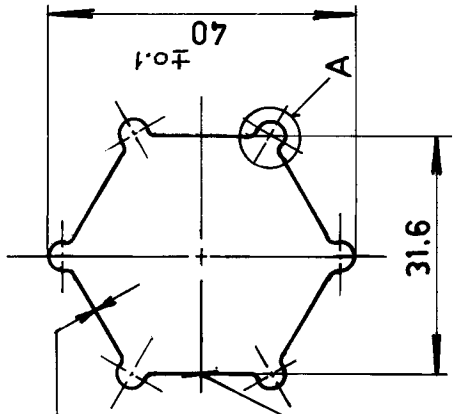
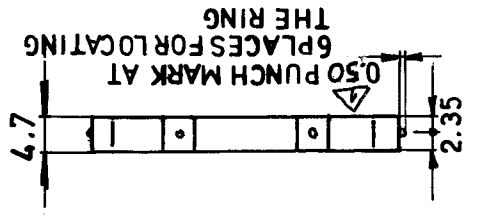
 <p>432-003</p>	<p>ENQUIRY VALVES</p>	<p>Bharat Heavy Electricals Limited (A Government of India undertaking) HIGH PRESSURE BOILER PLANT PURCHASE DEPARTMENT/VALVES TIRUCHIRAPPALLI-620 014.</p>	<p>Phone:04312577913 FAX :0431-2520383 Email: fayasmalik@bheltry.co.in</p>	
		<p>ENQUIRY NO. EN-SWL-405</p>	<p>DATE 17.07.2014</p>	<p>DUE DATE FOR QUOTATION 07.08.2014</p>
<p>Please quote Enquiry No., and due date in correspondences This is only a request for quotation and not an order.</p>				
<p>Supply of Washers and Retring.</p> <p><u>Date , Time & Venue of tender opening :</u></p> <p>07.08.2014 at 14.30 Hrs. at Valves Purchase Conference Hall , Building No 24, III Floor BHEL, Tiruchirappalli-620 014, Tamil Nadu State, India.</p>	<p><u>Scope of supply</u></p> <p>Supply of Washers and Retring for Water Level Gauge.</p> <p>List of Annexures Annexure 1A- Scope of Supply and Technical specification. Annexure 2A- Commercial terms and conditions.</p>			
<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>Yours faithfully,</p> <p>For Bharat Heavy Electricals Ltd</p> <p>Fayas Malik K Engineer/Purchase/Valves</p>	

Annexure to Enquiry Proposal EN:SHP:405

Purch.Req.	PGr	SLoc	Matl Group	Material	Matl Desc	RFQ Qty
10688274	SWL	36	SRWLG	964157130000	PLAIN WASHER-0465 (IMPORTED)	1000.00
10688275	SWL	36	SRWLG	964157140000	SPRING WASHER-0467 (IMPORTED)	1000.00
10688276	SWL	36	SRWLG	964157290000	RETRING SA240T304-0467 (IMPORTED)	1000.00
						3000



DETAIL-A
SCALE: 2:1

JOINED BY SPOT WELDING

NOTE:-

1. THE RETAINER RING SHOULD SPRING BACK TO THE SHAPE, IF COMPRESSED BY HAND.
2. DIMENSIONS TO BE MAINTAINED AS PER DRAWING AND CHECKED IN ALL PIECES.



ALL DIMENSIONS IN MM.

1			STAINLESS STEEL	SA-240 TYPE 302	0.06	27			
NO. OF PIECES	NAME - DIMENSIONS	SEMI - PRODUCT	FINAL MATERIAL	INITIAL MATERIAL	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING NO.	ITEM NO.
REMARKS	COMP. CODE: 97255187								
DRAWN	T.L. L...								
CHECKED									
APPROVED	18/88								
STDS. OFFICER	TRANS. COPY NO.								
DATE									
ALTERATIONS			DATE	SIGNATURE	ALTERATION INDEX				
NOTES ADDED			29-2-92	[Signature]	1				
DRG. No. MATL. ALTERED			29-12-92	[Signature]	2				
TOTAL NET WT (kg)									
OLD DRG.			4-V-0467-2604						
DRAWING NO.			4-V-0467-04779 02						
TITLE			RETAINING RING						
GROUP			33-116						



33-116



PE/ VALVES
BHEL/TRICHY-14

**TECHNICAL SPECIFICATION
FOR
PLAIN WASHERS**

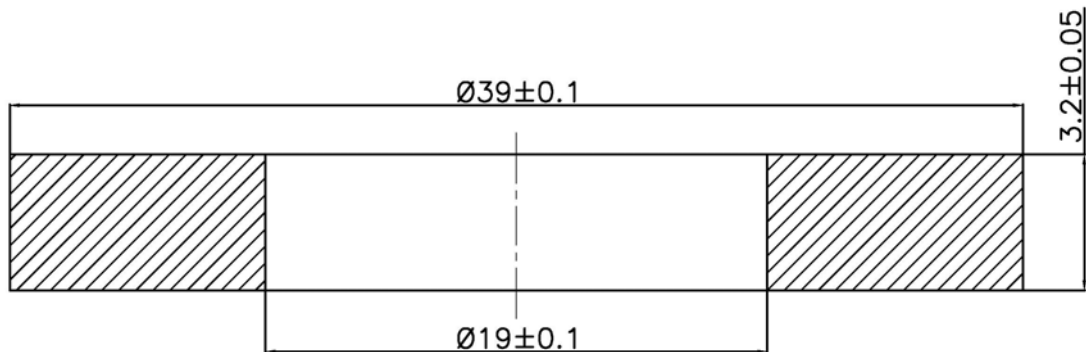
Application : For Direct Water Level Gauge
Material : As per ASTM A564 Type 632 (AGE hardened)
Working Temp. : Around 350 °C
Quantity : 100 Nos. – No sample required.

DOCUMENTS REQUIRED ALONG WITH SUPPLY:

1. Raw-material test certificate and condition of heat treatment of raw material.
2. Manufacturing flow chart.
3. Manufacturing drawing for BHEL approval before starting manufacturing.
4. Heat treatment procedure for approval and final heat treatment record.

NOTES:

Material should conform to A564 Type 632. AGE hardening must be done after manufacture as per code. Heat treatment cycle must be as approved by BHEL.



Revision	Date	Altered	Chd & Appd	Revision	Date	Altered	Chd & Appd	Sheet 1 of 1
Prepared	M.S.Vinod		Chd & Appd	N.Rajasekar		SPEC:WL:0001		Rev
Date	31.03.2011		Date	31.03.2011				00



PE/ VALVES
BHEL/TRICHY-14

**TECHNICAL SPECIFICATION
FOR
SPRING WASHERS**

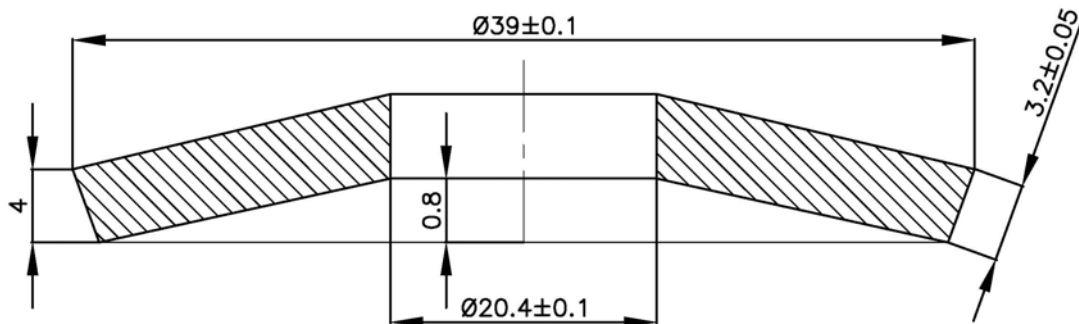
Application : For Direct Water Level Gauge
 Material : As per ASTM A564 Type 632 (AGE hardened)
 Working Temp. : Around 350 °C
 Qty required after : 100 Nos.
 approval of sample (Future annual requirement 1000 Nos. approx.)
 Sample quantity : 4 Nos.
 for approval

DOCUMENTS REQUIRED ALONG WITH SUPPLY:

1. Raw-material test certificate and condition of heat treatment of raw material.
2. Manufacturing flow chart.
3. Manufacturing drawing for BHEL approval before starting manufacturing.
4. Heat treatment procedure for approval and final heat treatment record.
5. Age hardening treatment procedure/record for spring washer.
6. Load test with single piece and double piece. The load curve graph showing hysteresis loop for single and double pieces.
7. Predicted load curve for 350 °C.

NOTES:

1. Material should conform to A564 Type 632. AGE hardening must be done after manufacture as per code. Heat treatment cycle must be as approved by BHEL.
2. The outer and inner edges of the spring washers are to be suitably chamfered/rounded off for effective loading of spring. SUPPLIER SHOULD INDICATE AND GET IT APPROVED BY BHEL.



Revision	Date	Altered	Chd & Appd	Revision	Date	Altered	Chd & Appd

Sheet 1 of 1

Prepared	M.S.Vinod	Chd & Appd	N.Rajasekar	SPEC:WL:0002	Rev
Date	31.03.2011	Date	31.03.2011		00



BHARAT HEAVY ELECTRICALS LTD

Annexure 2A

VALVES PURCHASE

Trichy - 620 014. India

GENERAL TERMS AND CONDITIONS-INDIGENOUS

1. QUOTATIONS:

- a. **BID system:** The offers are invited in Two part bid system Part I will be Techno-commercial bid and part II 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. 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.
- h. **Samples:** Samples should be submitted separately in tender before due date of the enquiry. They should be clearly marked with the enquiry No and date on the outside cover. Offer without samples will be rejected.
- i. **Deviation.** Any deviations from the specification are to be furnished separately as "Annexure 4A 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. **Terms of Payment:**
 - **FOR TRICHY:** Payment 100% after 45 days on satisfactory receipts and acceptance of material at BHEL stores.
- b. **Liquidated Damage:** A sum equivalent to 0.5% of price for each week of delay up to a maximum of 15% of the delayed/ undelivered goods.
- c. **Delivery Terms:** Price should be quoted FOR Designation as mentioned in enquiry inclusive of freight and insurance in transit.
- d. **Validity of Offer:** Prices should be valid for 120 days from the date of opening of this tender.
- e. **Taxes & Duties:** Excise duty, sales tax and other levies (if any) shall be indicated as extra in the offer.
- f. **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.
- g. **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 invoice should be passed on to the purchaser; tenderer under MODVAT shall be preferred.

3. GENERAL CONDITIONS

- a. BHEL reserves the right to finalize the tender as per item sl no wise or as a total package or project wise. Separate orders will be released for each project and documents should be supplied for each order separately.
- b. BHEL reserves the right to increase or reduce or split the Tender Quantity and to NOT to order for some or all material based on the changes in project.
- c. BHEL shall 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.
- d. BHEL reserves the right to negotiate or re-float the tender in case the quoted prices are not acceptable.
- e. Supplier shall arrange packing to avoid lose or damages during Road Transport, Site handling & Storage.
- f. Purchase Order, PO Item Sl No, Material code, Quantity should marked the Packing clearly.



BHARAT HEAVY ELECTRICALS LTD

Annexure 2A

VALVES PURCHASE

Trichy - 620 014. India

GENERAL TERMS AND CONDITIONS-INDIGENOUS

- g. BHEL reserves the right to finalize the tender either through price bid opening or through Reverse Auction route.
- h. BHEL reserves the right to reject the offer of a particular bidder due to unsatisfactory past performance in the execution of a contract at any of BHEL projects / units.
- i. The Drawings and Technical documents given in this enquiry are the sole property of BHEL. This should not be misused in any form.

4. DOCUMENTATION:

- a. **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...
- b. **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.
- c. **To Finance:** Original and Duplicate Invoice for payment should be sent directly to
Senior Manager
Finance/Valves-Bills section
BHEL TRICHY 620014
- d. **To Purchase:**
 - i. **FOR BHEL TRICHY case-** Copy of Invoice, Packing list, LWB and Delivery challan.
- e. **Identification:** Material code, Purchase Order, PO item SI No, Unique SI No if any should be provided in all despatch documents, materials and packing clearly.

5. TENDER EVALUATION:

Part I-& II Pre-Qualification Bid & techno-commercial Bid-

- All Vendors should submit supply record, end user certificate and PO reference, catalogue etc...
- Vendor who are not registered 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.
- 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).
- BHEL reserves right to visit vendor works before registration for verification of facilities.
- Point by point technical confirmation of all pages of our technical specifications and commercial conditions are required with your sign and seal along with techno commercial Offer.
- Offers from supplier not having technical capability or not agreed for commercial terms, will be rejected

PART II Price Bid.

- Bidders qualified for both part I and part II will be intimated for participating in priced bid opening/Reverse Auction.
- L1 bidder will be decided based on landed cost for the equipment to BHEL.