



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT/ MATERIALS MANAGEMENT

An ISO 9001
Company

ENQUIRY	Phone: +91 431 257 76 53 Fax : +91 431 252 00 31 Email : skaruna@bheltry.co.in Web : www.bhel.com
NOTICE INVITING TENDER	

TWO PART BID Tender to be submitted in two parts.	Enquiry Number: 2621400001	Enquiry Date: 06.01.2014	Due date for submission of quotation: 10.02.2014
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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	4" 300 Class CS Ball Valve	5 Nos.
20	2" 300 Class CS Ball Valve	10 Nos.
30	1" 300 Class Gun Metal Ball Valve	40 Nos.

as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or <http://tenders.gov.in>)

Important points to be taken care during submission of offer

1. The rate of EMD for this Tender will be (INR) – Nil.
2. The Compliance Form for Commercial Terms & Conditions to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
3. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM/CE/GENL/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 "2621400001".

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**

Sample
C. SARANYA
Engineer / MM / Capital Equipment / MM
Capital Equipment / MM
BHEL, Tiruchirappalli - 620 014

Specification for 4" 300 Class CS Ball Valve for LPG Applications

S No.	Description of BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
1	Supply of 300 Class Isolation Ball Valve for use in LPG line manufactured to the specification and features given below.			
1.1	Valve Specification			
1.1.1	Valve Construction	Full bore ball valve\ Two or Three piece design		
1.1.2	Size	4"		
1.1.3	Quantity	5 No's		
1.1.4	Operation	Hand lever operated with plastic or rubber sleeve\ 100% open or 100% shut off operation		
1.1.5	Design Standard	API 6D\ Flame Proof		
1.1.6	Inspection standard	Vendor to specify		
1.1.7	End Connection	Flanged ends with suitable drill holes, raised face (serrated - spiral). The design standard of the flange should confirm to Class 300 ANSI B16.5		
1.1.8	Pressure Rating	300		
1.1.9	Working Pressure	2 Kgf/cm ²		
1.1.10	Working Medium	LPG		
1.1.11	Brand\ Make of valve being supplied	Audco, Fisher-Xomox, Microfinish, Fouress, Leader, Hawa, Flowjet or any other reputed make acceptable to BHEL		
1.1.12	Quality Plan (QAP)	To be approved by BHEL		
1.2	Material of Construction			

1.2.1	Body	ASTM A216 Gr.WCB		
1.2.2	Ball	ASTM A351 Gr.CF8		
1.2.3	Gland Packing, Body Seat, Connector Seal, Steam Seal	PTFE		
1.2.4	Other Working Parts	AISI 304		
1.3	General Points			
1.3.1	All technical specifications, drawings and product catalogue to be submitted with offer.	Vendor to provide		
1.3.2	All test certificates as per inspection standard mentioned above to be provided (test pressures to be provided in offer)	Vendor to confirm		
1.3.3	Valves should have a warranty of 1 year for manufacturing defects.	Vendor to confirm\ Certificate to be provided		
1.3.4	All the valves should have size, pressure rating, class specification and technical details marked (permanently embossed) or attached with name plate.	Vendor to confirm		
1.3.5	Delivery should be completed within 6 -10 weeks of confirmed order.	Vendor to confirm		
1.3.6	For each type of valve, user manual to be provided (one softcopy + three hard copies)	Vendor to confirm		
1.3.7	For each valve all openings shall be properly capped to prevent ingress of water or any foreign materials. Valve shall be packed in wooden crate with sufficient struts, packing material and waterproof covers.	Vendor to confirm		

Specification for 2" 300 Class CS Ball Valve for LPG Applications

S. No	Description for BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
2	Supply of 2" 300 Class Brass Ball Valve for use in LPG line manufactured to the specification and features given below			
2.1	Valve Specification			
2.1.1	Valve Construction	Full bore ball valve\ Two or Three piece design		
2.1.2	Size	2"		
2.1.3	Quantity	10 Nos.		
2.1.4	Operation	Hand lever operated with plastic or rubber sleeve\ 100% open or 100% shut off operation		
2.1.5	Design Standard	API 6D\ Flame Proof		
2.1.6	Inspection standard	Vendor to specify		
2.1.7	End Connection	Flanged ends with suitable drill holes, raised face (serrated - spiral). The design standard of the flange should confirm to Class 300 ANSI B16.5		
2.1.8	Pressure Rating	300		
2.1.9	Working Pressure	2 Kgf/cm ²		
2.1.10	Working Medium	LPG		
2.1.11	Brand\ Make of valve being supplied	Audco, Fisher-Xomox, Microfinish, Fouress, Leader, Hawa, Flowjet or any other reputed make acceptable to BHEL.		
2.1.12	Quality Plan (QAP)	To be approved by BHEL		
2.2	Material of Construction			

2.2.1	Body	ASTM A216 Gr.WCB		
2.2.2	Ball	ASTM A351 Gr.CF8		
2.2.3	Gland Packing, Body Seat, Connector Seal, Steam Seal	PTFE		
2.2.4	Other Working Parts	AISI 304		
2.3	General Points			
2.3.1	All technical specifications, drawings and product catalogue to be submitted with offer.	Vendor to provide		
2.3.2	All test certificates as per inspection standard mentioned above to be provided (test pressures to be provided in offer)	Vendor to confirm		
2.3.3	Valves should have a warranty of 1 year for manufacturing defects.	Vendor to confirm\ Certificate to be provided		
2.3.4	All the valves should have size, pressure rating, class specification and technical details marked (permanently embossed) or attached with name plate.	Vendor to confirm		
2.3.5	Delivery should be completed within 6 -10 weeks of confirmed order.	Vendor to confirm		
2.3.6	For each type of valve, user manual to be provided (one softcopy + three hard copies)	Vendor to confirm		
2.3.7	For each valve all openings shall be properly capped to prevent ingress of water or any foreign materials. Valve shall be packed in wooden crate with sufficient struts, packing material and waterproof covers.	Vendor to confirm		

Specification for 1" 300 Class Gun Metal Ball Valve for LPG Applications				
S No.	Description for BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
3	Supply of 300 Class Gun Metal Ball Valve for use in LPG line manufactured to the specification and features given below.			
3.1	Valve Specification			
3.1.1	Valve Construction	Full bore ball valve\ Two or Three Piece design		
3.1.2	Size	1"		
3.1.3	Quantity	40 No's		
3.1.4	Operation	Hand lever operated with plastic or rubber sleeve\ 100% open or 100% shut off operation		
3.1.5	Design Standard	API 6D\ Flame Proof		
3.1.6	Inspection standard	Vendor to specify		
3.1.7	End Connection	Flanged ends with suitable drill holes, raised face (serrated - spiral). The design standard of the flange should confirm to Class 300 ANSI B16.5		
3.1.8	Pressure Rating	300		
3.1.9	Working Pressure	2 Kgf/cm ²		
3.1.10	Working Medium	LPG		
3.1.11	Brand\ Make of valve being supplied	Audco, Fisher-Xomox, Microfinish, Fouress, Leader, Hawa or Flowjet or any other reputed make acceptable to BHEL.		
3.1.12	Quality Plan (QAP)	To be approved by BHEL		
3.2	Material of Construction			

3.2.1	Body	Gun Metal (EN 12165 Gr.CW617N/ IS 6912 Gr.FLB)		
3.2.2	Ball	ASTM A351 Gr.CF8		
3.2.3	Gland Packing, Body Seat, Connector Seal, Steam Seal	PTFE		
3.2.4	Other Working Parts	AISI 304		
3.3	General Points			
3.3.1	All technical specifications, drawings and product catalogue to be submitted with offer.	Vendor to provide		
3.3.2	All test certificates as per inspection standard mentioned above to be provided (test pressures to be provided in offer)	Vendor to confirm		
3.3.3	Valves should have a warranty of 1 year for manufacturing defects.	Vendor to confirm\ Certificate to be provided		
3.3.4	All the valves should have size, pressure rating, class specification and technical details marked (permanently embossed) or attached with name plate.	Vendor to confirm		
3.3.5	Delivery should be completed within 6 -10 weeks of confirmed order.	Vendor to confirm		
3.3.6	For each type of valve, user manual to be provided (one softcopy + three hard copies)	Vendor to confirm		
3.3.7	For each valve all openings shall be properly caped to prevent ingress of water or any foreign materials. Valve shall be packed in wooden crate with sufficient struts, packing material and waterproof covers.	Vendor to confirm		