

दूरभाष :
TELEPHONE :
तार : बार्क-मुंबई, चेम्बूर.
TELEGRAMS : BARC-MUMBAI, CHEMBUR.
फेक्स संख्या : ९१-२२-२५५० ५१५१
FAX NUMBER : 91-22-2550 5151



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र
BHABHA ATOMIC RESEARCH CENTRE

URANIUM EXTRACTION DIVISION
(Planning and Engineering Service Section)

Ref: - UED/Pl. 13/18/172654

Date: 06/09 /2018

TENDER ENQUIRY

निविदा क्र. /Tender No.: BARC/UED/APG/ 18089

नियत तारीख /Due date: 26/09/2018

Sub: Design, fabrication, inspection, testing, and safe delivery of SS 304 L Ball Valves at UMP, UED.

आदरणीय महोदय/महोदया, /Dear, Sir/Madam,

Quotations are invited on behalf of President of India by head; UED in sealed envelopes through registered/speed post only for Design, fabrication, inspection, testing and safe delivery of SS 304 L Ball Valves from the manufacturing or their authorized dealers.

1. विस्तारित कार्य /Scope of works: -

The work includes design, preparation of engineering drawings, BOM & approval from purchaser, arrangement/management of requisite materials, fabrication, inspection, testing, documentation, guaranty, crating, safe delivery, unloading at BARC Trombay, Mumbai – 400085, Maharashtra.

2. Quantity: -

Sr. No.	Description	Size	Quantity
1.	SS 304L ball valves, 2 piece design, flanged end	15 mm NB	50 Nos.
2.	SS 304L ball valves, 2 piece design, flanged end	25 mm NB	75 Nos.
3.	SS 304L ball valves, 2 piece design, flanged end	40 mm NB	50 Nos.
4.	SS 304L ball valves, 2 piece design, flanged end	50 mm NB	50 Nos.
5.	SS 304L ball valves, threaded end	15 mm NB	100 Nos.
6.	SS 304L ball valves, threaded end	25 mm NB	30 Nos.

3. Technical Specification: -

Sr. No.	Item	Specification
1.	Code	As mentioned in section 4
2.	Type	Two piece full bore ball valve
3.	Characteristic	On off
4.	Fluid	Nitric Acid 1 – 12 N, HNO ₃ and maximum 2% slurry
5.	Temperature	Max 75°C
6.	Pressure rating	ASME 150 Class
7.	Size	As per section 2
8.	Quantity	As per list in section 2
9.	MOC	
	Body	Investment casting, CF3/SS 304 L
	Ball	CF3/SS 304 L
	Stem	CF3/SS 304 L
	Seat	Virgin PTFE/suitable for the fluid mentioned above
	Body seal	Virgin PTFE/suitable for the fluid mentioned above
	Gland seal	Virgin PTFE/suitable for the fluid mentioned above
	Gland	SS 304
10.	Fastener	AISI 304/ASTM A 193 Gr.B8
11.	End fittings	Flanged end
12.	Flange	B 16.5, 150 CLASS, SORF
13.	Pressure test code	ANSI B 16.34/BS EN 12266-1/API 598
14.	Operation	Manual Hand Lever
15.	Handle	SS 304 + PVC Cover

4. Applicable codes and standards:

- I. ASTM B 16.10 Face to Face & End – to – End Dimensions of valves.
- II. B 16.34 Valves-Flanged, Threaded and butt welding end.
- III. API 598 Valve Inspections and Testing.
- IV. API 607 Fire test for soft seated Quarter-turn valves.

5. Technical details & Fabrication:

- a. Material as mentioned in technical specification are to be strictly followed and material test certificates (for composition, are to be provided from a government approved laboratory for all major components.)
- b. Vendor has to submit all design and technical details along with offer. Technical details should include design standard, hydro and pneumatic test conditions, approximate weight, and dimension of the valves.
- c. Vendor has to prepare GADs, Fabrication drawings, BOM and send them for approval from BARC representative before fabrication.
- d. **No subcontracting is allowed.**
- e. Valve dimensions should be identical with specifications mentioned in the standard.
- f. Ball valves shall be repairable i.e., ball, seals and seats shall be replaceable without welding or cutting.

6. Inspection and testing:

Testing of all valves is to be carried out at vendor's site for performance, LPT and leakage test as per the standard procedures (ANSI B 16.34, API 598).

7. Packaging and supply:

- a. Valves shall be adequately packaged for shipping to prevent damage in transit and during storage.
- b. Valves are to be supplied with proper identification number.

8. Identification and Marking:

Valves shall be marked as per the standard procedure. Proper tag should be there on the valves. Ends are to be closed with plastic cap.

9. Quality Assurance:

Quality assurance plan has to be submitted and to be approved by BARC engineer before execution of the job and shall include design, material testing, fabrication, dimensions, pressure testing and documentation of the valves.

10. Documentation and guarantee:

Following documents are to be submitted at different stages of execution of the purchase order. *And three sets of all the documents are to be submitted along with material supply.*

- Complete technical specifications with engineering drawing, BAM.
- QAP
- Material identification list
- Chemical/Mechanical test report/certificates.
- Material Test certificates:
 - I. Hydro and pneumatic test.
 - II. Chemical and metallurgical test report/certificates.
 - III. Mechanical properties.
 - IV. Any other standard and important test certificates not mentioned above.
- All inspection reports.
- Guarantee certificates.

11. कीमत/Price: -

Offered cost should be including the total scope of work mentioned above. Extra job if any will be on pro rata basis only. Party should quote all applicable Taxes and charges clearly and separately.

12. कार्य समाप्ती की अवधी/Work completion period: -

Within four month from the date of issuing the order.

13. भुगतान/Payments: -

- No advance/part payment will be made.
- Payment will be made by ECRC/RTG within 4 weeks after satisfactory completion of works and submission of bills with advanced stamped receipt Guarantee certificate, Bank details for payment by ECS, Cancelled cheque, delivery challan (03 copies) GST related documents.
- Payment shall be made for the actual quantity of items fabricated and supplied.

14. कर कटौती एवं अधिभार /**Deduction of Taxes:-**

Income Tax @ 2% will be deducted from your bill.

15. गोपनीयता खंड/**Confidentiality clause: -**

गोपनीयता/Confidentiality: - No party shall disclose any information to any third part concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without be prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force. "Restricted information" categories under section 18 of the Atomic Energy Act, 1962 and "Official Secrets" under section 5 of the Official Secrets Act, 1923: -

Any contravention of the above-mentioned provisions by any contractor, subcontractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

Prohibition against use of BARC name without permission for publicity purposes: -

The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC'S name for any publicity purpose through any public media like Press, Radio, and TV. or Internet without the prior written approval of BARC.

16. सामान्य अनुदेश/**General terms & conditions: -**

- Offer should be valid for 90 days.
- Any delay which is attributable to the contractor is liable for penalty @ ½ % per week (Max 5%) to be imposed on the contractor.
- Party should write clearly the Tender No. and due date on the top of envelope.
- Party should write clearly their GST & PAN No. in their quotation.
- Quotations should reach by speed post/registered post only on/before the stipulated date to HEAD, UED, BARC, TROMBAY, MUMBAI-400085 in sealed envelope clearly mentioning the tender no. and due date.

धन्यवाद/Thanking You,

Sandeep Sharma

Through: Sandeep Sharma
SO/F, UED.

भवदीय/Yours faithfully,

A. P. Gajbhiye
#23/8/18

A. P. Gajbhiye
SA/D, U&MS, UED.

M. L. Sahu

M. L. Sahu
Head, Uranium Extraction Division
अध्यक्ष, यू. नि. प्र.