

**Government of India**  
**Bhabha Atomic Research Centre**  
**Ion Accelerator Development Division**

**Ref: No. IADD/AB/2017/211**

**Date: 05/04/2017**

**Subject: Invitation of Quotations for minor fabrication and installation of water cooling pipes for RFQ cooling system for operation of LEHIPA project at CFB Building, BARC.**

1. Quotations are invited for the minor fabrication job as per the technical specifications
2. Bidder shall quote for fabrication and installation of these components along with material.
3. The vendors, engineers, supervisors and work men etc. should have valid Police Verification Certificate (PVC) to work inside BARC.
4. Vendor should have experience in carrying out similar work. He should give reference of one or two such work carried out in BARC so that quality of work can be verified.
5. The quotation must reach Head, IADD, Van-de-Graff Bldg, BARC on or before 17/05/2017 at 12:00 hrs and must be sent in a sealed envelope superscribed with the reference number and due date given above.
6. The quotations and the envelopes must be addressed to:  
**Head,**  
**Ion Accelerator Development Division,**  
**Van-de-Graff Bldg, BARC**  
**Trombay – 400085**  
**Kind Attn: Aman Bajaj**
7. Taxes and excise duties shall be quoted separately. Form AF/H if required shall be provided.
8. The bidder should furnish the VAT, PAN and TIN numbers in their quotations without which the quotation will be rejected.
9. Head, IADD, Van-de-Graff Bldg, BARC reserves the right to accept/reject any or all quotations without citing any reason.
10. The bidder shall take an insurance policy against any material issued to him by the purchaser.
11. The fabrication work shall be subject to inspection by our representative.
12. The bidder shall deliver the finished components and install it within 2 months from the date of Work Order issued to the bidder. The finished components and the scrap from the material shall be delivered by the bidder at Van-de-Graff Bldg, BARC.
13. Quote for each part separately (including material / assembly and inspection.).
14. Detailed drawing with final dimensions will be made available after issue of work order.
15. In case any further clarification is required, the bidders may contact at phone no. 25591480.

**Inquiry**

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**Technical Specification for Tender No. IADD/AB/2017/211**

Sr. No	Parameter	Description	
	<b>General:</b>		
1	Item name	<b>RFQ Cooling System</b>	
2	To be installed in	Common Facility Building, BARC	
3	Quantity	6 sets	
4	<b>Details:</b>		
	<b><u>Material details</u></b>  <b><u>(All materials should be of SS 304 L)</u></b>	Rigid S.S. buffed 3/8" tube.	450 MTRS
		Double sided Swagelok 3/8" connector.	350 nos
		Single sided 3/8" Swagelok connector.	125 nos
		1/2"- 3/8" Swagelok adapter ( with 3/8" Swagelok connector on one side and 1/2" BSP threaded female type end connector on other side.)	125 nos
		1/4" – 3/8" Swagelok connector (with 3/8" Swagelok connector on one side and 1/4" outer threaded BSP type end connector on other side)	125 nos
		Double sided 1/4" Swagelok connectors.	50 nos
	<b>Assembly details</b>	MARKING, CUTTING, FIT UPS, WELDING AND INSPECTION OF PIPES	500 Joints (approx.)
		BENDING, INSPECTION OF PIPES	500 NOS (approx.)
5	<b>Other Requirements</b>		
	a) Assembly	a) The cooling tubes has to be assembled as per the drawings provided by the indenter.	

Terms and Conditions for working in BARC:

- a. The working personal should observe all safety precautions while working and it is the responsibility of the contractor to ensure these.
- b. The contractor shall be responsible in case of any causality for the working personal.
- c. Contractor and his employees must have the Police Verification Certificate (PVC).
- d. BARC security rules shall apply to all working personal. The Contractor will be held responsible for his employees.
- e. Working Hours: 9:00 Hrs- 17:00 Hrs : Monday – Friday.

**Technical Specs**