

**Government of India  
Bhabha Atomic Research Centre  
Chemical Technology Division**

**Date: 11/10/2017**  
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Ref.: ChTD/MDS/IJS/ 2017/1159 (a)

**Tender Enquiry for minor fabrication work**

Sealed quotations are invited on behalf of President of India for the work as per following technical specifications.

**Technical Specification-Annexure-1**

Supply, fabrication and installation of industrial blowers with bottom pan along with bypass dampers, filter section with filters and mounting frame of size 1990×1215 mm at 2<sup>nd</sup> floor, CEL-V and dismantling of existing blowers as per technical specification attached (Annexure-1)

Existing Industrial Blower assembly data:

<b>Model</b>	<b>270 B DWDT ARR3 (2 nos.)</b>
<b>Sr.No .</b>	<b>21479, 21480</b>
<b>Capacity</b>	<b>22000 m<sup>3</sup>/hr.</b>
<b>Static Pressure</b>	<b>65 mm WG</b>
<b>RPM</b>	<b>1050 ( Blower-1 )</b>
<b>RPM</b>	<b>900 ( Blower-2 )</b>
<b>Motor BHP</b>	<b>7.9 volt</b>
<b>Drive</b>	<b>V belt</b>
<b>Type of blades</b>	<b>Backward inclined</b>
<b>Wheel dia.</b>	<b>686 mm</b>
<b>Shaft dia at bearing</b>	<b>45 mm</b>
<b>Bearing no.</b>	<b>1310 K (SKF/NTN/FAG)</b>
<b>Vibration isolator pad with bolts</b>	<b>: 12 nos., 100 mm thick</b>

1. The equipment shall conform in all respect to high standards of engineering practices and be capable of trouble free operation with vendor's guarantee acceptable to purchaser.
2. Raw material test certificates for chemical and physical properties to the extent possible for material used to be submitted. Two coats of epoxy painting to MS parts to be carried out.
3. Industrial blower assembly should be dynamically balanced within grade G 2.5 as per ISO 1940.

4. Ultrasonic test for shaft material and dye penetrate test for impeller welds to be done.

**Performance testing as per AMCA-210 test code with tolerances as per IS-4894.**

5. The vendor shall give guarantee that the equipment and material mentioned in this scope of supply are new and confirm to high quality, free from defects in material fabrication & workmanship as per requirement of this technical specification for a period of twelve months from date of completion of delivery at BARC, Trombay, Mumbai-400085.

6. The items after inspection and acceptance shall be delivered to Store Officer, CTD Store, BARC, Trombay, Mumbai-400085. A copy of inspection report must be sent along with consignment.

7. **Protection for shipping and storage:** All equipment shall be adequately braced and protected to prevent damage at site storage. This shall include tight closure of fan opening and protection of fan blades & bearings. All parts of fan shall have match marking. All packages shall be clearly marked on destination, purchase order no. and date, gross weight and handling instruction if any, in block letters with water proof paint.

8. Quotation shall be submitted giving due breakup failing which it will be considered as incomplete.

**9. Filters**

Description	Size
FILTER SIZE	635×406 / 635×508
NO. OF FILTERS	8 / 16
FILTER MEDIA	HDPE
EFFICIENCY	90% DOWN TO 15 MICRON
AIR P D ACROSS FILTERS	5-10 mmWG

**A. General notes:**

1. All supply from the fabricator shall be guaranteed for a period of 12 months from the date of supply.
2. The work carried out by fabricator shall be subjected to inspection by the user before acceptance.
3. Any delay which is attributable to the fabricator is liable for penalty @ 0.5% per week (max.5%) to be imposed on fabricator.
4. In case any extension to be granted to the contractor, party's request for extension may be called for before expiry of work order. The same may be justified by the division, whether extension granted is with or without levy of liquidated damages.
5. The contractor and his workers shall take all safety precautions as per standard procedure.
6. BARC shall not be held responsible for occurrence of any accident/personal damage during execution of work order and department will not be liable to pay any compensation.
7. Contractor and his workers shall have PVC from police department before taking up job defined in work order.
8. Quotations without PAN & GST number shall not be accepted.
9. The fabricator can visit the site if he desires so to evaluate the jobs listed in annexure-1 before submitting the quotation.
10. Party can contact on telephone no. 022-25595166 for scope and detail of work to Shri I J Singh.
11. The quotations in sealed envelope super scribed with the title of work, reference no. and stipulated due date must be dispatched by Indian post (Speed Post) should reach to  
**Head, Chemical Technology Division, BARC, Trombay-85 by 21/11/2017 at 14:00 hrs.**

**Attn: I J Singh, SA/G, MDS/ChTD**

12. Head Chemical Technology Division, BARC reserves the right to accept or reject any or all quotations without assigning any reason thereof.

**B. Terms of payments:**

1. No advance payment shall be made.
2. Full payment shall be made after completion of entire work specified in work order.
3. Payment shall be made through cheque/ECS in favor of contractor by accounts officer BARC.
4. Contractor shall confirm the payment terms mentioned above.
5. Please mention PAN Number, GST no. in your quotation.
6. Income tax @ 2% shall be deducted from the bill.
7. The contractor shall have to submit in advance duly signed and stamped receipt along with the bills & necessary papers for the payment.
8. Necessary documents for release of payments shall be raised in the name of "Accounts Officer, BARC (Govt. of India) Trombay, Mumbai-400085

**C. The following confidentiality clause shall be maintained**

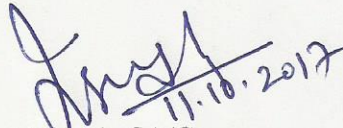
**1. Confidentiality:**

No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by disclosing the party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. The clause shall apply to the sub-contractors, advisers, or the employees engaged by a party with equal force.

**2. "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, sub-contractor, consultant, adviser or the employees of the contractor will invite penal consequences under the aforesaid legislation.

**3. Prohibition against use of BARC's 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, T.V. and Internet without the written approval of BARC.

  
11.10.2017  
I J Singh, SA/G  
MDS/ChTD