

ARC, Trombay  
Mumbai - 400 085  
Phone no. 022-25594966



Government of India  
**BHABHA ATOMIC RESEARCH CENTRE**  
Atomic Fuels Division

Date: 02 May 2017

4

Ref: AFD/FAS/BM/17/OPA/ 74423

for e-tendering

**Sub:-** Cleaning of Chip collection systems at AFD.

Dear Sir,

Your sealed offer is invited for & on behalf of President of India for the aforesaid subjects. The scope of work, general specification, terms & conditions are enclosed in annexure I .  
Your offer in sealed envelope should be addressed to

**B Maharana**  
**Scientific Assistant-D**  
**Atomic Fuels Division**  
**BARC, Trombay, Mumbai-400085.**

And duly marked with above reference no and due date on the sealed envelope, reach us on or before **18-05-2017** by speed post/Registered post only.

Yours faithfully

*Bhele*  
**B Maharana**  
**SA/D**

*AS*  
**Amit Sharma**  
**SO/F**

Encl: 1. Annexure I

*Ramesh*  
**Rakesh Kumar**  
**Head, FAS**

## Specifications

### Scope of work: Chip removal, tank & conveyor cleaning and overhauling of motor & gear boxes of chip collection systems at AFD.

#### Barturner 1

1. Dismantling the screw conveyor system & remove the coolant cum chips Tank (2500X600X1300) from the pit (3000X650X1400 mm).
2. Remove all the radioactive water & Uranium chips with shovel (approximately 2500kgs) stored inside tank & safely fill in the drums (which will be provided by the department), & then shifting them to the designated place.
3. Cleaning of pump strainer and pipes.
4. Modification in the chip conveyor motor to increase the speed. The motor has to be replaced with a new 1HP motor.
5. Fixing the tank in the respective cavity after cleaning it thoroughly.
6. Dismantling of motor & gear box of conveyor, overhauling, replacement of motor and reassembly.
7. They have to change the orientation of the motor & fix a gear train so as to double the speed of the screw conveyor.
8. Align the conveyor in the respective place again and ensure proper flow of coolant and chips without spilling.
9. Clean the machine & surrounding properly.

#### Barturner 2

1. Clean the conveyor system & the coolant cum chips Tank (1800X600X1500).
2. Remove all the radioactive water & Uranium chips with shovel (approximately 1000kgs) stored inside tank & safely fill in the drums (which will be provided by the department) & then shifting them to the designated place.
3. Cleaning of pump strainer and pipes.
4. Clean the machine & surrounding properly.

#### Straightening machine

1. Remove the strainer from the Tank of the Straightening machine tank. Remove the chips from the tank (1500X1000X800) Clean the oils from the tank & realign the hopper properly.
2. Clean the machine & surrounding properly.

#### Circular Saw Machine

1. Remove the screw conveyor system, clean it properly & re assemble. Ensure proper flow of coolant and chips without spilling.
2. Remove all the radioactive water & Uranium chips with shovel from the coolant cum chips tank (1800X600X1500) approximately 200kgs stored inside tank & safely fill in the drums (which will be provided by the department), & then shifting them to the designated place.
3. Cleaning of pump strainer, pipes & surrounding properly.

#### Band saw Machine -2 Nos

1. Remove the chips from the tank (approximately -200 Kg) & clean it Properly.
2. Clean the machine & surrounding properly.

#### Description

1. All the works mentioned above are radioactive in nature.



2. Since the work is radioactive utmost care should be taken while handling it, & the persons have to give fitness certificate from registered MBBS Doctors at the time of working in in the environment. The party has to arrange the certificate.
3. All the safety equipment like respirator, hand gloves & gum boot will be provided by us except the PVC suits which the party has to give to the workers carrying out the job & the PVC suit should be new on each day of carrying out the work till the work completes.
4. Party should visit our workshop (on 11-05-2017 or 12-05-2017) before quoting for better clarification of the job. They should have to intimate at least 2 working days prior to their visit so that we will arrange for the entry permit certificate.
5. Parties having PVC will only be allowed to enter BARC premises hence they have to arrange for the same.
6. **Parties who have not visited our workshop need not apply.**

**\*All the dimensions specified in the technical specification are indicative hence the parties are requested to visit the site at AFD, for onsite measurement & detailing before submitting the quotation.**

#### **General Terms and Conditions:**

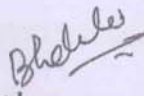
- a. Incomplete or vague quotations shall be rejected and no further communication shall be made from our side in this regard.
- b. Supplier shall give acceptance of order before starting the work and within one week of issue of work order to them.
- c. Any delay in supplying the unit, which is attributable to the contractor, is liable for penalty @1/2 % per week (max 5 %) to be imposed on the contractor.
- d. In case of any clarification required, parties may contact Shri B Maharana (SA/D) or Shri Amit Sharma, SO/F, FAS, Atomic Fuels Division, BARC, Mumbai 400 085, Tel. No. 022 – 25594966/25594844 respectively.
- e. Income tax @2%, surcharge on IT and education Cess as applicable will be deducted from the Suppliers bill or whatever necessary will be specified at the time of placing the order.
- f. Octroi Exemption Certificate shall be issued by the department, if required.
- g. Excise duty exemption certificate will be issued for goods proposed to be fabricated on this work order are meant for research purpose of research institution under Department of Atomic Energy and are exempted from payment of excise duty in terms of notification no. 10/97 Central excise dated 01/03/1997 issued by the Ministry of Finance, Department of Revenue of Government of India for final product manufactured and delivered by vendor. However, Excise duty exemption certificate will not be issued for raw material/components or any other intermediary material going into manufacture of end product.
- h. Payment will be arranged after satisfactory completion of work at BARC and on production of, a) Bills in triplicate, b) Advanced stamped receipt, c) Warranty/ Guarantee Certificate. Advance, Part Payment or against delivery cannot be made. Proposed payment terms from the firms cannot be accepted.

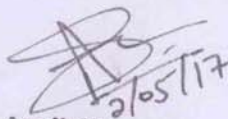
#### **1. Confidentiality clause:-**

No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any conformation identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidentiality by the receiving party and shall not be disclosed to any third party without the 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.



- I. "Restricted information" categories under Section 18 of the Atomic Energy Act 1962 and "Official Secrets" under Section 5 of the Official Secrets Act 1923. :-
- II. Any contravention of the above-mentioned provisions by any contractor, sub-contractor, consultant adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation
- III. Prohibition against use of BARC's name without permission for publicity purposes. :-
- IV. The contractor of 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, T.V. or Internet without the prior written approval of BARC.

  
**B Maharana**  
SA/D

  
**Amit Sharma**  
SO/F, AFD