



सत्यमेव जयते

Government of India  
Bhabha Atomic Research Centre  
Nuclear Recycle Group  
Technology Development Division

Ref: NRG/TDDS/JJ/2018

Date: 17/05/2018

Sub: Invitation of quotation for:

- Fabrication, supply and installation of one set of storage unit for five numbers of **empty** High Purity Argon Cylinders for Induction Skull Melter (ISM).
- Modification of existing storage unit for **filled** High Purity Argon Cylinder as per the site conditions.
- Modification of existing Secondary Cooling Water piping system for the cooling tower of Cold Crucible Induction Melter (CCIM) with suitable structural supports as per site conditions.
- Provision of SS vents (1" size) in five numbers of DM water storage tanks of ISM facility and routing of drain lines to common header.
- Crushing and size reduction and handling of monolithic glass (~1000 kg) formed in the canisters for reuse in experiments in the Cold crucible induction melter
- Handling and cleaning of Silumin for 40 operation cycles in ISM facility.

Dear Sir,

In connection with the above mentioned work you are requested to submit your lowest quotation on the basis of terms and conditions and detailed scope of work mentioned in annexure attached.

Notes:

- Your offer shall be valid for minimum 90 days from the date of opening. Quoted price shall be inclusive of all taxes; duties etc and remain firm during the period of execution of the order.
- Any deviations from specification shall be clearly mentioned in your offer.
- Payment will be made within thirty days of supply, installation and successful completion of work at our site.

- Tender offers will be accepted up to **2 pm on 31/05/2018**. **The tenders will be opened at 3 pm** on the same day in presence of a nominee of Accounts Division, BARC.

Jyoti Jha, SO/F  
Technology Development Division, TDD (NRG),  
CDCFT Building,  
BARC, TROMBAY, MUMBAI - 400 085.

Ph No- 25591035/1121

Email- [jyotijha@barc.gov.in](mailto:jyotijha@barc.gov.in)

The offer shall clearly indicate the time required for completing the entire work.

Thanking you.

*Abhishek*  
17.05.18.  
Jyoti Jha, SO/F  
TDD (NRG)  
Bhabha Atomic Research Centre,  
भारत सरकार/Government of India  
दॉ. सं. 400085.

## TECHNICAL SPECIFICATIONS (NRG/TDDS/JJ/2018/)

### 1.0 Scope of work:

- a) Fabrication, supply and installation of one set of storage unit for five numbers of *empty* High Purity Argon Cylinders for Induction Skull Melters (ISM).
- b) Modification of existing storage unit for *filled* High Purity Argon Cylinder as per the site conditions.
- c) Modification of existing Secondary Cooling Water piping system for the cooling tower of Cold Crucible Induction Melter (CCIM) with suitable structural supports as per site conditions.
- d) Provision of SS vents (1 " size) in five numbers of DM water storage tanks of ISM facility and routing of drain lines to common header.
- e) Crushing and size reduction and handling of monolithic glass (Apx.1000 Kgs) formed in the canisters for reuse in experiments in the Cold crucible induction melter.
- f) Material handling, area cleaning, equipment maintenance for 40 operations of ISM facility .

2.0 All the works will have to be carried in the CDCFT building, Trombay.

3.0 No material will be issued as FIM and no material will be supplied by the contractor.

4.0 Completion Period: The work covered by this order shall be completed within 180 days from the date of issue of Work Order

### 5.0 Erection:

The workmanship shall be of high-grade quality and in accordance with the best practice of installation of different components.

### 6.0 Inspection and testing:

Visual inspection shall be carried out as and when required. Any defects observed or detected during inspection shall be rectified.

### 7.0 Safety:

- A. During the execution of job necessary safety, as followed in BARC shall be followed by contractor.
- B. If any accident occurs during the execution of job, it will totally lie with contractor.

### 8.0 Security:

- Personnel entry into BARC premises for any job in connection with the work awarded is strictly against Police Verification Certificate issued by competent authority for each individual.
- Security rules and transport rules at BARC, Trombay premises shall be strictly followed.
- Labours under 18 years shall not be allowed to work at site.

Abhishek  
15.05.18

Apk  
15.5.18