

दूरभाष .  
TELEPHONE  
तार : बार्क-मुंबई, चेम्बूर.  
TELEGRAMS : BARC-MUMBAI, CHEMBUR.  
टेलिक्स : ०११-६१०१७/०११-६१०२२ बार्क इन  
TELEX : 011-61017/011-61022 BARC IN  
फेक्स संख्या : ९१-२२-५५६०७५०  
FAX NUMBER : 91-22-5560750



भारत सरकार  
GOVERNMENT OF INDIA  
भाभा परमाणु अनुसंधान केन्द्र  
BHABHA ATOMIC RESEARCH CENTRE

द्वारे,  
मुंबई-४०० ०८५.  
TROMBAY,  
MUMBAI-400 085

Ref: BARC /RMD/KMD/2022/Repair/013

Date 24-06-2022

**Sub:** Notice inviting tender for Repair of Carbon Molecular Sieve Towers (02 nos.) of PSA system of Nitrogen Plant of RMD as per specifications given in the annexure I.

### Scope

Repair of Carbon Molecular Sieve (CMS) Tower (02 nos.) at user's site and performance testing of PSA system after repair as per the technical specifications of Nitrogen Plant of RMD.

### General guidelines for submitting tender

- You shall send your offer in a sealed envelope indicating completion period, price inclusive of taxes and other relevant information by **speed post** to:

Head,  
Radiometallurgy Division  
NFG, Radiological labs.  
Bhabha Atomic Research Centre  
Trombay,  
Mumbai 400085  
(Kind Attention : K M Danny, SO/F)

- Quotation shall reach us on or before **08 .07.2022**
- On top left corner of the envelope please indicate **Quotation For – Repair of CMS towers (02 nos.) of PSA based Nitrogen Plant of RMD and due date 08.07.2022**
- Overwriting, scratching etc. must be avoided in the quotation. Rewriting the whole figure shall carry out any alteration in the figure. The authorized person from the firm shall countersign such figure.
- The completion period mentioned in the quotation shall be strictly adhered to. If the contractor fails to complete the repair work and secure extension of completion date before effecting completion of the repair work against the contract, acceptance of such item by the purchaser will in no way prejudice the right of the purchaser to levy liquidated damage nor will it be entitled to the contractor for payment of statutory levies that comes into force after the expiry of the completion date.

- **Supplier shall have prior experience in repair of CMS towers of PSA based N<sub>2</sub> plant. Certificate from earlier work shall be submitted along with quotation.**
- Minimum Guarantee / Warranty period of the repair work shall be one year.
- **Supplier shall mention clearly the GST/PAN/TAN no. on quotation.**
- All the charges and taxes shall be mentioned clearly
- Bidder must indicate about exemption certificates of government levies such as GST etc.
- You may contact us for any clarification on or before 07.07.2022 ( K. M. Danny, 022-25590661/680 or R. S. Prasad at 022-25590728)

#### **INSPECTION AND TESTING:**

The purchaser shall have access at all reasonable times to all shops and the sub-contractors where components for repair is being fabricated and assembled and all reasonable facilities for such inspection shall be provided. Prior to the supply of items for repair, the manufacture has to get it approved from the purchaser.

#### **PLACE OF DELIVERY:**

The repair work shall be carried out at Nitrogen plant located at RMD, RLG, BARC. The personnel coming to BARC for carrying out the work should have valid PVC for facilitating entry permits etc.

#### **PAYMENT TERMS:**

Full payment will be made only after the satisfactory completion of Work order. Please note that income tax @ 2% will be deducted from your bill. ***No part payment or advance payment will be made. No part payment or advance payment will be made.*** For this mode of payment, you are required to draw your invoice in the name of Head, RMD, Bhabha Atomic Research Centre, Mumbai 400085, in **triplicate along** with Advance Stamp receipt and to be submitted along with “Repair of CMS towers of PSA based Nitrogen Plant of RMD”

#### **CONFIDENTIALITY CLAUSE:**

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 the disclosing 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.

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

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 medial like press, radio, T.V. or Internet without the prior written approval of BARC.

(K M Danny)  
SO/F, RMD

**Annexure I**  
**Technical Specification for Repair of**  
**CARBON MOLECULAR SIEVE towers ( 02 nos.) of PSA based N<sub>2</sub> plant of 150**  
**Cu.m./h capacity)**

**I. SCOPE**

Repair of Carbon Molecular Sieve (CMS) Tower ( 02 nos.) at user's site and performance testing of PSA system after repair at user's site as per the technical specifications.

The scope of the tender shall cover the following:

1. Removal of used CMS from towers and filling in drums at purchaser's site.
2. Repair of the CMS towers.
3. Performance testing of the PSA system.

**II INSPECTION AND TESTING:**

**Acceptance criteria after repair of CMS tower at Purchaser's Site**

Nitrogen Purity after CMS Towers outlet, before going to Deoxo Unit shall be better than 99.5% with the design of the PSA based nitrogen plant at our site.

**III.COMPLETION PERIOD**

Time to complete the repair of the CMS tower and complete performance testing at user's site is 05 days from the date of acceptance of work order.

**IV.GUARANTEES**

The firm shall guarantee the repair work for a period of 12 months from the date of commissioning and acceptance.

**V GENERAL TERMS AND CONDITIONS**

The repair of CMS towers demands the highest standard of workmanship, particularly from the CMS layering worker. Any lowering of standards of workmanship, performance of the PSA towers will be evident in the final tests of the PSA system and thus, it is in the contractor's interest to ensure a high standard of workmanship and supervision.

K M Danny  
SO/F, RMD