



Government of India  
**Bhabha Atomic Research Centre**  
SINTERED MATERIALS MACHINING SECTION  
**Powder Metallurgy Division**

Vashi Complex  
**Navi Mumbai - 400 703**

Ref.: PMD/CAMC/AHU/2023/ 1/2/

February 01, 2023

**Sub.: Two year comprehensive annual maintenance contract for 52 TR, 4500 CFM, 100 % fresh air and Dx-type water cooled air handling unit (02Nos.) at PMD, BARC, Navi Mumbai.**

For & On behalf of President of India, sealed quotation are invited by the undersigned for the above said work to be carried out at PMD, BARC, Vashi Complex, Navi Mumbai - 400703. The scope of work is detailed below.

<b>Nature/Description of work</b>
Two year comprehensive annual maintenance contract for 52 TR, 4500 CFM, 100 % fresh air and Dx-type water cooled air handling unit (02Nos.) at PMD, BARC, Navi Mumbai.

The sealed quotation covers super scribe nature of work and should be addressed to the following person and reach to him on or before the date and time mentioned. The quotation should be sent by speed post or registered post of Indian Postal Department

<b>R. K. Sahu,</b> Technical Officer (F), SMMS, Powder Metallurgy Division, BARC, Sector-20, Vashi Complex, Navi Mumbai - 400703	On or before February 14, 2023 at 1600 hrs.
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**Instruction to the party:**

- For further details of the work and site visit, party may contact to undersigned at below given contact no. along with company profile and work experience in same field on their letter head.
- The party should write in words as well as figures, *the consolidated cost plus applicable GST* quoted by him. All correction must be attested by the dated initials of the party.
- The Party may note that in case the work is awarded to him, he has to produce the police verification certificate for the employees to be deputed for the work inside the BARC/BRIT, Complex, Navi Mumbai.

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- Party should have at least five to six year experience of providing annual maintenance contract of air handling unit, package unit and split air conditioners.
- Income-Tax and surcharge on income- tax as applicable shall be deducted from the bill. The payment for the work done shall be paid by our Account Division only on satisfactory completion of the work on every quarterly (three months) basis.
- The party must provide PAN No. and GST no. of the firm/company along with offer.
- Comprehensive maintenance contract is valid for two year. The same shall be reckoned from the date of issue of work order.
- The acceptance of the tender rests upon the undersigned with right to reject the offer without assigning any reason.

Thanking you,

  
**R. K. Sahu**  
**Technical Officer (F)**  
**SMMS, PMD, BARC**  
**Tel: 2788 7174**  
 आर. के. साहु / R. K. SAHU  
 तकनिकी अधिकारी (ई) / TECHNICAL OFFICER (E)  
 सिन्टर्गिट पदार्थ मशीनन अनुभाग / Sintered Materials Machining Center  
 चूर्ण धातुकी प्रभाग / Powder Metallurgy Division  
 भाभा परमाणु अनुसंधान केंद्र / Bhaba Atomic Research Centre  
 भारत सरकार / Government of India  
 वाशी संकुल, नवी मुंबई / Vashi Complex, Navi Mumbai-400705

**Two year comprehensive annual maintenance contract for 52 TR, 4500 CFM, 100 % fresh air and Dx-type water cooled air handling unit , 02 Nos., at PMD, BARC, Navi Mumbai.**

**Scope work under Comprehensive AMC**

Air handling unit is once through Dx -type 52 TR and 4500cfm. AHU is consist of three nos. of scroll hermetic compressor each 13 TR, two nos. of shell & tube water cooled condensers, twelve row deep cooling coil, FRP counter -forced flow cooling tower and consist PRE+HEPA air filters. The system has one stand by unit of same configuration.

AHU shall be covered under the comprehensive AMC along with following work as under.

**Monthly**

- Cleaning of Fresh air line HDPE filters.
- Cleaning of cooling tower sump.
- Checking of refrigerant leakages.
- Checking of Safety control system.
- Checking of all electrical connection and ensure healthyness.

**Half yearly**

- Condenser cleaning with chemicals and brushing.
- 12 Row Deep dx- type cooling coil cleaning by water jet with approved cleaning chemical.
- Cleaning of cooling tower nozzles and packed PVC fills.
- Greasing of water pumps bearings.
- Cleaning of water pump strainer.
- Top up of refrigerant, if system is lack of refrigerant.

**Breakdown/Repair Works**

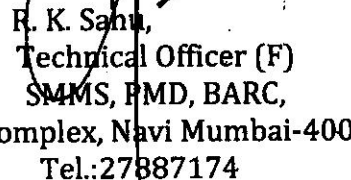
- Any breakdown in the system including compressors, microprocessors, AHU control system, electrical connectors, and loss of refrigerant shall be attended by contractor without any extra charges.
- Supplied items by the vendor shall have warrantee/guarantee of one year.
- Party has to strictly maintain system free from refrigerant leakages.
- System shall be kept free from vibration and abnormal noise.
- Any brazing/welding joint should be strong, smooth and free from leakages.
- **Any complaints regarding breakdown and repairs shall be attended within 24 hrs.**

**Note: Party should quote consolidated cost plus applicable GST for all comprehensive AMC work as described above including spares for two year. Bifurcated offer (separate cost) of the work shall be treated invalid. Technicians should have ITI/ NCVT certificate of A.C. Mechanic trade and two year experience in relevant field. All required tools and spares shall be arranged by vendor. Vendors shall be provided only electrical and water supply free of charge from the department at the site.**

**Terms and conditions:**

- i) **Materials:** No free material will be provided to the party. All the materials required for the work will have to be provided by the party. All the materials should be of standard specifications available in the market and approved by the officer in- charge. The materials brought to the site should be got approved from the undersigned before use for the work.
- ii) **Tools:** All the tools required for the work shall be arranged by party. Free electricity and water supply will be provided for the work.
- iii) **Safety:** All the personnel of the contractor should take care of safety and follow the industrial safety regulation while working at site. Specific personnel protective equipment (PPE) required for the job will be provided by BARC as and when required. Any mishap occurring on the job due to unsafe work practice shall be vendor's liability.
- iv) **Security:** Police Verification Certificates (PVC) are required for supervisor and all workers employed by the contractor inside the BARC. Security instructions on entry of workers, working time etc. are to be followed strictly.
- v) **Work completion:** The time allowed for completion of the job is two year. The same shall be reckoned from the date of issue of work-order. Party should engage skilled and semi-skilled workers for the work with adequate supervisory staff.
- vi) **Payment:** No advance or part payment will be made. **The payment shall be made quarterly (four months)** only on satisfactory completion of the work. Vendor shall submit of tax invoice, advance stamped receipt, GST under taking, acknowledgment copy of last two year ITR and guarantee/warranty certificate for material quality and workmanship on quarterly (three months) basis. The contract shall be valid for two year. Income Tax @2% or as applicable at the time of billing will be deducted from your bill.
- vii) **Penalty for delay:** Any delay which is attributable to the contractor is liable for penalty @½% per week of the total value of the work-order subject to a ceiling of 10% of the total value.
- viii) The contractor shall be wholly responsible for any labour related disputes and any injury to contractor's worker during execution of the job.
- ix) Head, Powder Metallurgy Division, BARC, reserve the right to cancel the tender or work order without assigning a reason to the party.

आर. के. साहु / R. K. SAHU  
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