



Vashi Complex  
Navi-Mumbai - 400 703

GOVERNMENT OF INDIA  
BHABHA ATOMIC RESEARCH CENTRE  
MATERIALS GROUP  
POWDER METALLURGY DIVISION

Tel : 91 - 22 - 2788 7152  
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Ref.: PMD/Tender Inv/2019/ 192346

October 14, 2019

**Sub.: Work Contract for Maintenance and Servicing of Powder Metallurgy equipment and Vacuum induction furnace systems at Powder Metallurgy Division, BARC Vashi**

Dear Sir,


For & on behalf of the President of India, quotation in sealed cover is invited for the above mentioned work at Powder Metallurgy Division, BARC Vashi Complex, Navi Mumbai-400703. The quotation in sealed cover superscribed as "**Work Contract for Maintenance and Servicing of Powder Metallurgy equipment and Vacuum induction furnace systems**" and addressed to **Shri Abhijeet Kalaskar, SO/D, Powder Metallurgy Division, BARC Vashi Complex, Navi Mumbai – 400703** should reach him on or before 15.00 hrs. on 30.10.2019 by **Speed Post/Registered post**.

The scope of work is enclosed herewith. The tenderer should write in words as well as in figures, the rate quoted by him. All corrections must be attested by the dated initials of the tenderer.

The time for completion of work/job is one year. The same shall be reckoned from the date of issue of work order. The acceptance of the tender rests upon the undersigned with a right to reject the tender in full or part without assigning any reason.

Thanking you,

Yours faithfully,

  
Abhijeet Kalaskar  
SO/D, PMD

**Sub.: Work Contract for Maintenance and Servicing of Powder Metallurgy equipment and Vacuum induction furnace systems at Powder Metallurgy Division, BARC Vashi complex**

The scope of work and terms & conditions are as follows:

**A. Regular maintenance work related to Powder Metallurgy equipment and Vacuum induction furnace systems**

The following Powder Metallurgy Equipment are included in the scope of work.

1. Vacuum hot pressing unit (30 T) – 02 Nos.
  2. Vacuum hot pressing unit (100 T) - 01 No.
  3. Cold Isostatic Press – 01 No.
  4. Superkanthal Resistance heated Furnace – 03 Nos.
  5. Powder processing equipment: Stirred ball mill, air classifier, sieve shaker
- Pre-operational check about the healthiness of the above systems and their sub-systems (such as vacuum, hydraulic and heating system, cooling water supply system and compressed air supply system).
  - Recording of system performance data during operations using the above systems. Breakdown maintenance of any system or its sub-system to be attended immediately.
  - Breakdown and preventive maintenance of vacuum pumps, pressure gauges, induction coil and water/vacuum/pneumatic lines shall be carried out as per the guideline provided by user.
  - The above jobs will be carried out in co-ordination with departmental staff.

**B. The following works are associated with the above maintenance & servicing works**

- Transportation of materials (such as, gas cylinders, liquid nitrogen container, spares and accessories and other store items) from one place to another inside the premises.
- Cleaning of working area after carrying out maintenance and servicing works.

For executing the above works contractor shall provide One skilled technician and One Work Assistant of qualification as mentioned below on daily basis on all working days for a period of one year.

**Skilled Technician:** XII th pass or ITI holder or NCTVT holder and minimum five year experience in similar works as mentioned above.

**Work Assistant:** The work assistants will assist the technicians for carrying out works as mentioned above. The work assistant shall have minimum qualification to read and write log sheets.

## Terms and Conditions

1. For executing the work, contractor shall provide one Technicians and one work Assistant on daily basis on all working days for a period of one year. The party should depute the required man power between 09:30 hours to 17:00 hours on all working days to carry out regular maintenance work.
2. Contractor's personnel shall report to Engineer-in-charge at Powder Metallurgy Division, BARC, and perform the task under his supervision. All the materials required for carrying out the work will be supplied by BARC to the party.
3. Contractor shall obtain Medical Fitness certificates for the workers involved in this work from a Medical Practitioner having minimum MBBS degree.
4. Regularity in attendance and punctuality of contractor's personnel shall be strictly reviewed. Contractor shall arrange for alternative manpower in case of absence of any of the regular manpower.
5. Safety: All the personnel of the contractor deployed for the work should follow the safety guidelines while working. Any mishap/injury occurring to the deployed personnel due to unsafe work practice shall be contractor's liability.
6. The contractor shall be sole responsible for any labor related dispute and any injury to contractor's worker during execution of the job.
7. Security: Police verification certificates (PVC) are required for supervisor and all workers employed by the contractor inside BARC. Security instructions on entry of workers, working time etc. are to be followed strictly.
8. Payment: No advance payment will be made. Payment shall be made half-yearly. Documentary evidence towards payment of GST (receipt/acknowledgement) may be furnished by the party. Income Tax @2% or as applicable at the time of billing will be deducted from your bill.
9. For any queries the party may contact Shri A. Kalaskar (Tel. No. 2788 7663) / Dr. T. Mahata (Tel. No. 2788 7162) on working day between 10:00 Hr. to 16:00 Hr.

