



सत्यमेव जयते

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

Vashi Complex
Navi-Mumbai - 400 703

Tel : 91 - 22 - 2788 7152

Fax : 91 - 22 - 2784 0032

Ref. :PMD/Tender Inv/2017/ 124677
18/7/ 2017

Sub.: Fabrication and supply of Alumina crucibles with cover having holes as per the specification in annexure for use in 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 "**Fabrication and supply of Alumina crucibles with lid having holes of size 2-3mm as per the specification in annexure for use in powder Metallurgy Division, BARC Vashi**" and addressed to Dr. Sathi R. Nair, SO/F, Powder Metallurgy Division, BARC Vashi Complex, should reach her on or before 15.00 hrs. on 10/8/2017 by **Speed /Registered post**.

The scope of work and the necessary terms and conditions are enclosed herewith. The tenderer should write in words as well as in figures, the rate quoted by him. The tenderer must provide PAN No. and VAT No. / Service Tax No. of the firm/company along with offer. All corrections must be attested by the dated initials of the tenderer.

The time allowed for completion of work/job is one month. 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,


(Sathi R. Nair)
SO/F, PMD

Through


(P.K. Sinha)

OS& Head, Powder Metallurgy Division

Head, SIRD, BARC for kind display in BARC website

Copy To
APO, GEN, DCSEM
APO, AERB
APO, PMD
APO, BRIT, Vashi

With request to display on notice boards



Terms and conditions

- i. **Materials:** No free issue material will be provided to the party. All the materials required for the work will have to be provided by the bidder. All the materials should be of standard specifications available in the market. They can fabricate the job at their site, the testing will be done at our site after installation.
- 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 one months. 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 only on satisfactory completion of the work and on production of bill, advance stamped receipt and guarantee/warranty certificate for material quality and workmanship for one 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 is only responsible for any labour related dispute and any injury to contractor's worker during execution of the job.
- ix. The excise duty exemption certificate will be provided before dispatch of material

Smt sathi R nair
SO/F, PMD

Annexure

Specification for high purity alumina crucibles with lid . Lid should have holes of size 2-3mm

1. Dimensions : ≈ 550 mm length, ≈ 120 mm OD , Thickness – 4mm, 4nos
2. Surface finish : 0.3micrometer/ better
3. Purity 99.5% Minimum
4. The lid should be with step.
5. Maximum operation temperature – 1700° C
6. Density - > 3.85 gm/cc
7. Chemical resistivity – excellent
8. Thermal conductivity –W/mK $\approx 35 \pm 10\%$
9. Flexural strength MPa – 360- 430
10. Hard ness kg/mm^2 - ≈ 1400 -1600
- 11 The party should give the analysis report with respect to silica, Magnesia, calcium oxide, sodium oxide, boron cadmium.
12. Cover 130 mm dia, having holes 2-3 mm dia