



Government of India
Bhabha Atomic Research Centre
Accelerator and Pulse Power Division
Mumbai – 400 085, INDIA

hall no 4

Ref. No.: BARC/APPD/LDS/LM/2018/ 74

Date: 06/07/2018

Subject: Inviting quotations for Material Procurement, fabrication, testing and supply of High Purity Molybdenum Rods at LDS Lab, Vandegraff Extension building, APPD, BARC.

Quotation are invited on behalf of the President of India for Inviting quotations for Material Procurement, fabrication, testing and supply of High Purity Molybdenum Rods at LDS Lab, Vandegraff Extension building, APPD, BARC. Terms & conditions are given below.

Sr.No.	Description of the Job
1.	Fabrication of Molybdenum rod as per the details mentioned in Annexure-A. The material test report should be provided along with the supply. The material has to be delivered at LDS Lab in Vandegraff Extension building, APPD, BARC.

Terms and Conditions:

1. The supplier should quote for fabrication of the items, including the cost of the materials.
2. The material will be inspected before the start of the fabrication.
3. The quotations should have the minimum validity period of three months.
4. Supplier should submit their offers in their letterhead, placed in sealed envelope super scribed with the above mentioned Reference No., due date and Title "Quotations for Material Procurement, fabrication, testing and supply of High Purity Molybdenum Rods at LDS Lab, Vandegraff Extension building, APPD, BARC, Mumbai 400085, on or **before 19-07-2018**. The quotation should contain the following details like (i) PAN NO, (ii) Period of validity, (iii) Approximate period of completion of job, (iv) Copies of registration and income tax clearance certificates, (v) terms and conditions of offer.
5. The fabrication of the item shall be subjected to inspection by our Scientists / Engineers at the supplier's works. Necessary inspection facilities should be provided

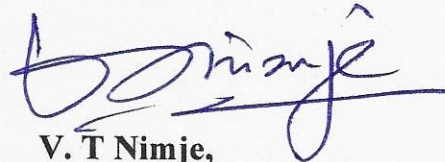
to them during fabrication at the supplier's premises. The purchaser has the right to make the minor modifications in the specifications if required. Additional charges will not be admissible for such minor modifications, if any. The item should be delivered to us at the **VDG Extension Building, APPD, BARC** after approval by our Scientists / Engineers.

6. Please note that shorter delivery period will be preferred. For any clarifications you may contact, Love Mishra APPD, BARC on Tel. 25593464., Fax. 91-22-25505151.

8. Payment will be made only after delivery and installation of the item to the above-mentioned address and approval by our Scientists / Engineers as per BARC rules.



Love Mishra
(SO-D, LDS, APPD, BARC)



V. T Nimje,
(Head, LDS, APPD, BARC.)

Annexure -A

Material Specifications:

1. Atomic Number: 42
2. Atomic Weight: 95.94
3. Density: 10.22 gm/cc
4. Purity: 99.9% or better.
5. Melting Point: 2617 oC
6. Boiling Point: 4612 oC
7. Thermal Conductivity: 1.38 W/cm/K @ 298.2 K
8. Electrical Resistivity: 5.2 microhm-cm @ 0 oC
9. Electronegativity: 1.9 Paulings
10. Specific Heat: 0.0599 Cal/g/K @ 25 oC
11. Heat of Vaporization: 128 K-Cal/gm atom at 4612 oC
12. Heat of Fusion: 6.6 Cal/gm mole
13. Modulus of Elasticity: 32 x 1010 Pa @ 25 oC
14. Thermal Coefficient of Expansion: 5 x 10-6 cm/cm @ 25 oC
15. Electrical Conductivity: 34% I.A.C.S.

Item No: 1, Molybdenum Rod

Diameter: 30mm, length: 300mm, Qty: 2 Nos.

