

**Bhabha Atomic Research Centre
Applied Physics Division**

Tender No. BARC/APD/MF/DM/2018/155129 Due on 27/08/18 at 16:00 hrs

8th August, 2018

Sub: Invitation of Quotations for **design, fabrication, supply of pure metal foams of dimension as mentioned in attached annexure-1.**

Dear Sir,

Quotations are invited for the minor fabrication job of **design, fabrication, supply of pure metal foams of dimension as mentioned in attached annexure-1.**

- 1) Bidder shall quote for fabrication of the same.
- 2) Taxes and excise duties shall be quoted separately.
- 3) Quotation must be in the printed letter head/quotation format, which should consist of GST with HSN code, registration number registered with local ST authority/CST authority, PAN number of the firm, Service tax registration number etc. Quotations that are received in computer-generated form are to be constructed as invalid and rejected.
- 4) The quotations must strictly reach,
Head, Applied Physics Division,
Purnima Laboratory,
Bhabha Atomic Research Centre,
Trombay, Mumbai 400085.
Attn: **D. Mukherjee**
on or before **27/08/2018 16:00 HRS** and must be sent in a sealed envelope super scribed "MINOR FABRICATION" with the above reference number and due date given above.
- 5) The fabrication work shall be **subject to inspection by our engineer and with proper chemical and mechanical test reports.** The finished components shall not be dispatched prior to approval by our engineer, at bidder's works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder's premises.
- 6) The bidder shall specify the **delivery period** (not exceeding **6 weeks**), in case of order.
- 7) **Head, Applied Physics Division, B.A.R.C.**, reserves the right to accept/reject any or all quotations without assigning any reason.
- 8) **Payment** will be made as per rules after completion of the job satisfactorily.
- 9) **Validity:** The offer shall be kept open for acceptance for a period of **60 days** from the date of opening of quotation
- 10) **Proof of ability** - A brief list of similar jobs executed if any and name of the organization to be furnished.
- 11) **Delivery:** The bidder shall deliver the finished components after approval by our engineer, and scrap form the free issue material shall be delivered by the bidder at **APD, Purnima Laboratory, BARC, Bombay,** at free of cost.

Enclosure: Scope of Tender



(D. Mukherjee)
Scientific Officer - E
For and on behalf of President of India

Annexure-1

Scope of Work

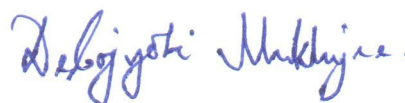
The supply shall include fabrication pure copper and aluminium metal foams plates as per specifications given below:

Specification of the Copper Metal Foam Sheet

1. Material: Copper
2. Purity 99.8%
3. Porosity: $\geq 70\%$
4. Pore Size: 1mm-2mm
5. Bulk density: 0.80-0.85 gm/cc
6. Dimension(L*B*H): 500mm*500mm*5mm or nearest specifications
7. Shear Strength: 1.31 MPa
8. Tensile strength: 1.25 MPa
9. Quantity: 2 no
10. Open cell foam

Specification of the Aluminium Metal Foam Sheet

1. Material: Aluminium
2. Purity 99.9%
3. Porosity: $\geq 70\%$
4. Pore Size: 2-11mm
5. Bulk density: 0.1-0.35 gm/cc
6. Dimension(L*B*H): 100mm*100mm*5mm or nearest specifications
7. Shear Strength: 1.31 MPa
8. Tensile strength: 1.34 MPa
9. Quantity: 8 no
10. Closed cell foam



(D. Mukherjee)
Scientific Officer - E
For and on behalf of President of India