



सत्यमेव जयते

Government of India
BHABHA ATOMIC RESEARCH CENTRE
Accelerator and Pulse Power Division
Mumbai-400085- INDIA



भाभा परमाणु अनुसंधान केंद्र
BHABHA ATOMIC RESEARCH CENTRE

Shri.R.K.Rajawat
Head, APPD.
rkraj@barc.gov.in

Engg. Hall No.4, Trombay,
Tele: +9122 25592055
Fax: (+9122)25505151, (+9122)25519613

Ref.: BARC/APPD/RKR/2017/325

Date: 21.12.2017

Subject: Inviting quotations for fabrication and supply of Hard Drawn Copper Concentrator as per Annexure-I

Dear Sir,

On behalf of the President of India, you are invited to quote for fabrication and supply of field shapers per Annexure-I.

Terms & conditions are given below.

S. No.	Description of the Job	Quantity
1.	Fabrication & Supply of COPPER slit Field Shaper, as per Drawing No: APPD / MRK/Cu/Slit-92-15-MD (Total 1 drawing) and purchase (buy) back after usage within 120days.	40 Nos.

Terms and Conditions:

1. The supplier should quote for fabrication of the item, including the cost of the materials. No free issue material will be provided by BARC.
2. The material will be inspected before the start of the fabrication.
3. The quotations should have the minimum validity period of two months.
4. BARC being a Government organization is exempted from payment of excise duty and Octroi duty. However, excise duty exemption / Octroi duty exemption certificates will be issued if required. GST as applicable.
5. 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 fabrication and supply of Coils". Kind attention: "Shri. M.R.Kulkarni", addressed to Head APPD, Hall-4, BARC, Trombay, Mumbai-400085, **on or before 15/01/2018** . The quotation should contain the following details like (i) Period of validity, (ii) terms and conditions of offer, (iii) Approximate period of completion of job, (iv) Copies of registration and income tax clearance certificates (v) PAN, VAT and registration no.
6. 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 design and drawings. Additional charges will not be admissible for such minor modifications, if any. The item should be delivered to us at **Room N0-51, S-70, SS, APPD, BARC, Trombay, Mumbai-400085**, after approval by our Scientists / Engineers.

7. Please note that shorter delivery period will be preferred. For any clarification you may contact shri.M.R.Kulkarni. PPSS/APPD, BARC on tel. 022-25524701 or Dr.A.Sharma, Head PPSS/APPD on 25590171.
8. Payment will be made only after delivery and installation of the items to the above mentioned address and approval by scientist/engineers as per BARC rules.
9. Head APPD has authority to cancel the bidding process at any time without assigning any reasons.
10. Vendor has to submit the test certificate of material used by approved laboratory of APPD/BARC
11. Vendor has to follow strictly specification specified in Annexure-I and drawings no: APPD / MRK/Cu/Slit-92-15-MD Supply and fabrication of the job.
12. Parties are requested to quote taking in to account of the value of the components after usage, that are going to be returned to the supplier from APPD/BARC within 90 days of supply.

Sd-
(R.K.Rajawat)
Head APPD

Copy to: AAO (Works)

Annexure-I

The fabrication of Hard Drawn Copper field shapers should be as per the drawing No. APPD / MRK/Cu/Slit-92-15-MD. The following points may be noted.

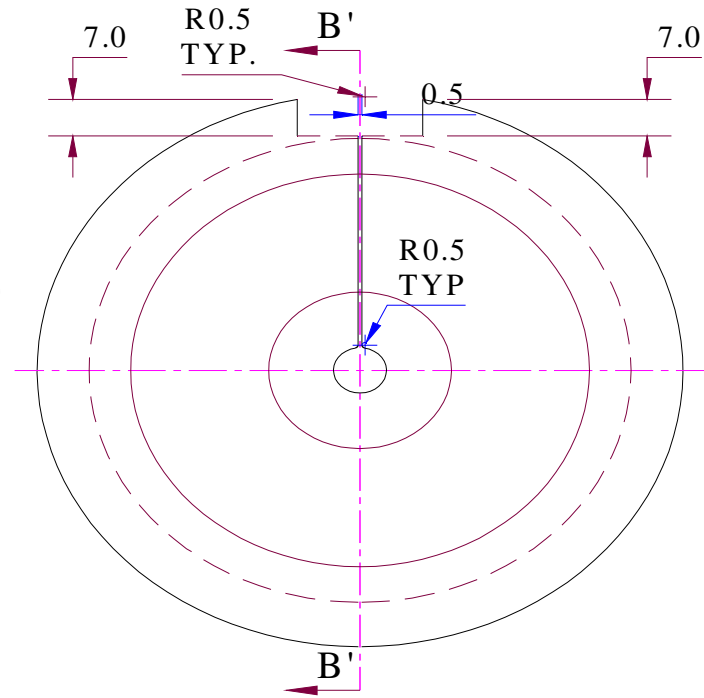
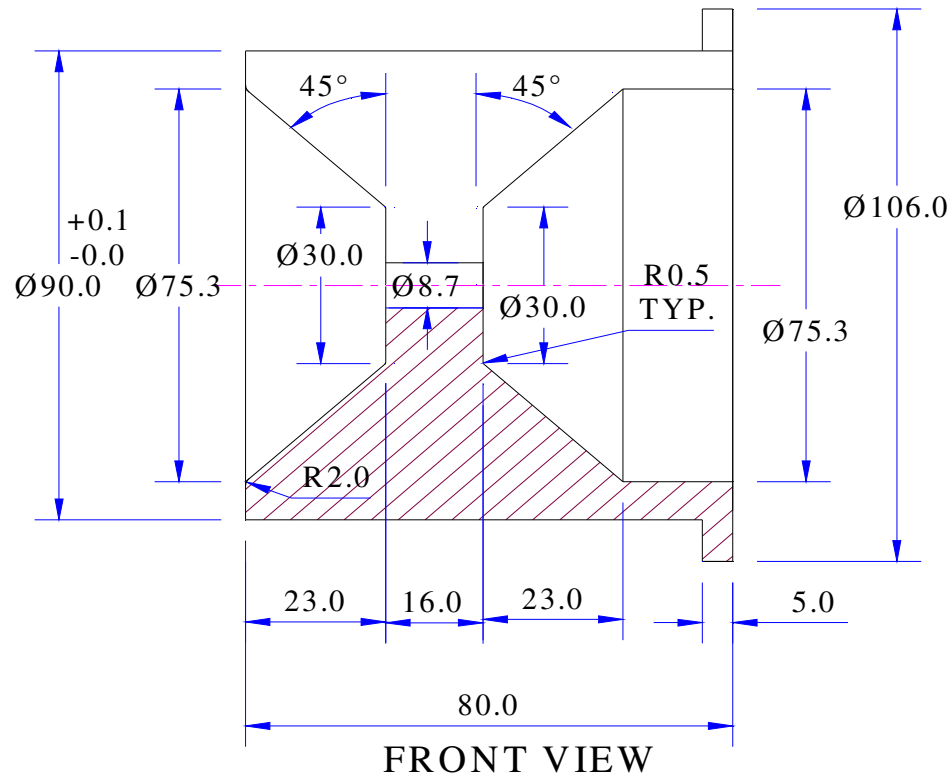
1. The properties of the Copper used for fabrications should as follows.
Yield strength: $\geq 250\text{MPa}$, Electrical Conductivity: 97-101%IACS,
Thermal conductivity: 388 W/m K at 20°C, Elastic Modulus: 115GPa at 20°C,
Vickers hardness: 90, Specific Heat: 388J/K/Kg.
2. A test certificate of actual properties of the material used may be provided.
3. All sharp corners should be rounded 0.5R and the mating edges of outer diameter of the field chamfered to 2R.
4. Minor modification may be permitted without extra cost at the time of fabrication.
5. **Final fabrication drawing has to be got approved from the user before starting fabrication.**
6. Supplier should provide the dies for exact measurement of dimensionality of the component at the time of final inspection.
7. Finish of the surfaces should be as close to 5 micro meters.
8. Slit have to be made by EDM, close to $0.6\text{mm} \pm 0.02$

Sr.No	Items	Material	Total quantity
01	No.APPD/MRK/Cu/Slit-92-15-MD	Hard drawn Copper	40Nos

KEPT BLANK

Drawing No.APPD/MRK/Cu/Slit-92-16-MD1, QTY:40Nos

MODEL-I



MATL:-HARD DRAWN COPPER
QTY:-10 NO

APPD/MRK/Cu/Slit-92-13MD-1