

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

**REF. NO.:** BARC/APPD/SP/2020/146

**DATE:** 04/11/2020

**Subject:** Inviting quotations for Fabrication and supply of Focusing and steering magnet for 10MeV horizontal assembly electron linac.

On behalf of the President of India, you are invited to quote '**Fabrication and supply of Focusing and steering magnet for 10MeV, linac horizontal assembly**' as per the drawings attached in Annexure I. Terms & conditions are given below.

| Sr.No. | Description of the Job   | Quantity   |
|--------|--|--|
| 1.     | <b>Fabrication and supply of Focusing and steering magnet for 10MeV, electron energy linac</b> drawings as per attached in annexure-I<br>The job involves material procurement, precision machining with stringent tolerances, coil winding and assembly of the both magnets | <b>1 Set of Focusing magnet<br/>2 set of steering magnet</b> |

**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 two month.
4. Rate of taxes as applicable may be stated in the quotation.
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 "**Fabrication and supply of Focusing and steering magnet for 10MeV,linac horizontal assembly**" addressed to Head, APPD", BARC, Trombay, Mumbai-400085, **on or before 01-12-2020** (before 14:00 hours). The quotation should contain the following details like (i) PAN NO, (ii) GSTN No., (iii) Period of validity, (iv) Approximate period of completion of job, (v) Copies of registration and income tax clearance certificates, (vi) terms and conditions of offer
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 **EBC, Kharghar, Navi Mumbai** after approval by our Scientists / Engineers.
7. Please note that shorter delivery period will be preferred. For any clarifications you may contact, Sonali Parashar, APPD, and BARC on Tel. 25590172/9920699018.

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.
9. All the persons of vendor who will be coming inside the BARC premises including Anushaktinagar, EBC, Kharghar should have police verification certificate.
10. The quotations which do not comply with the notes given in the description columns is liable to be rejected.

**Sonali Parashar**  
**SO (E), APPD, BARC**

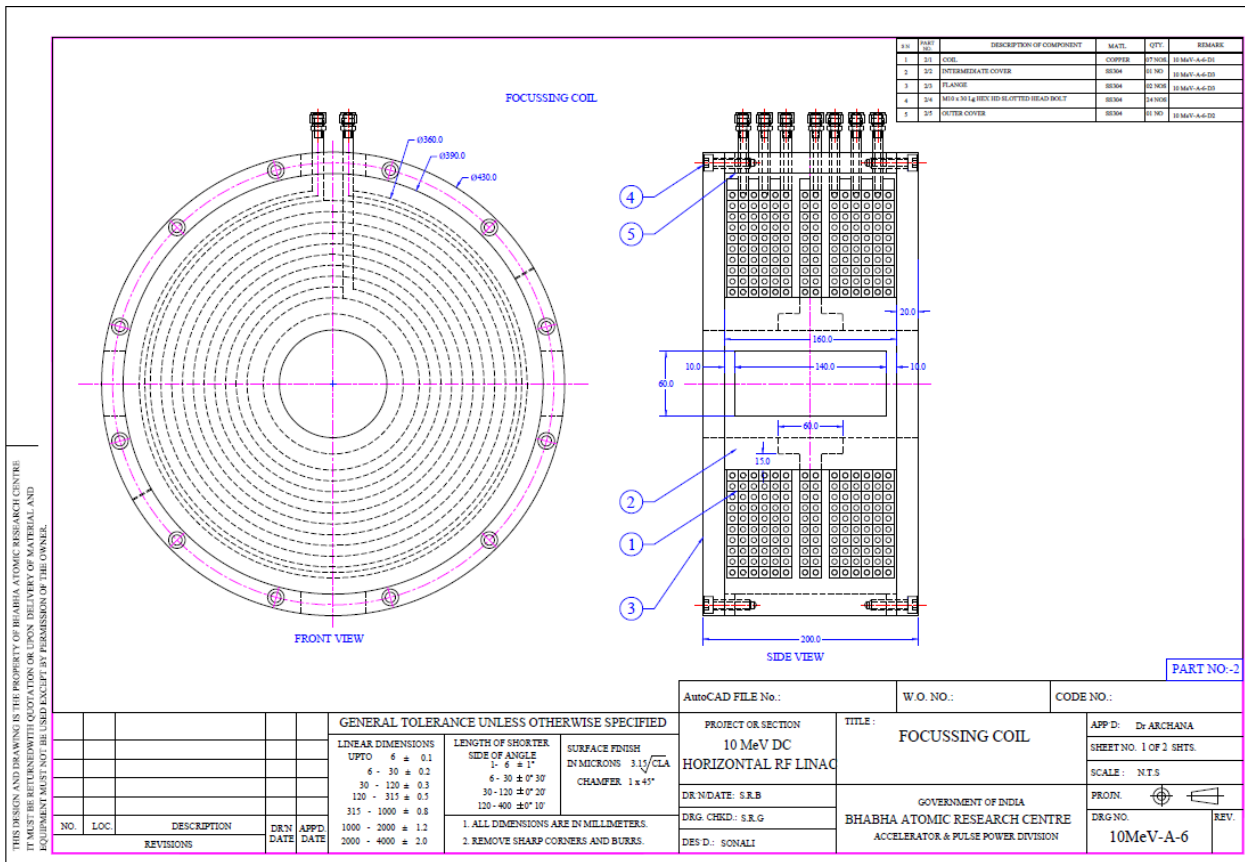
**Copy to:       Accounts Officer,**  
**GSS Section,**  
**Central Complex, BARC.**

## Annexure I

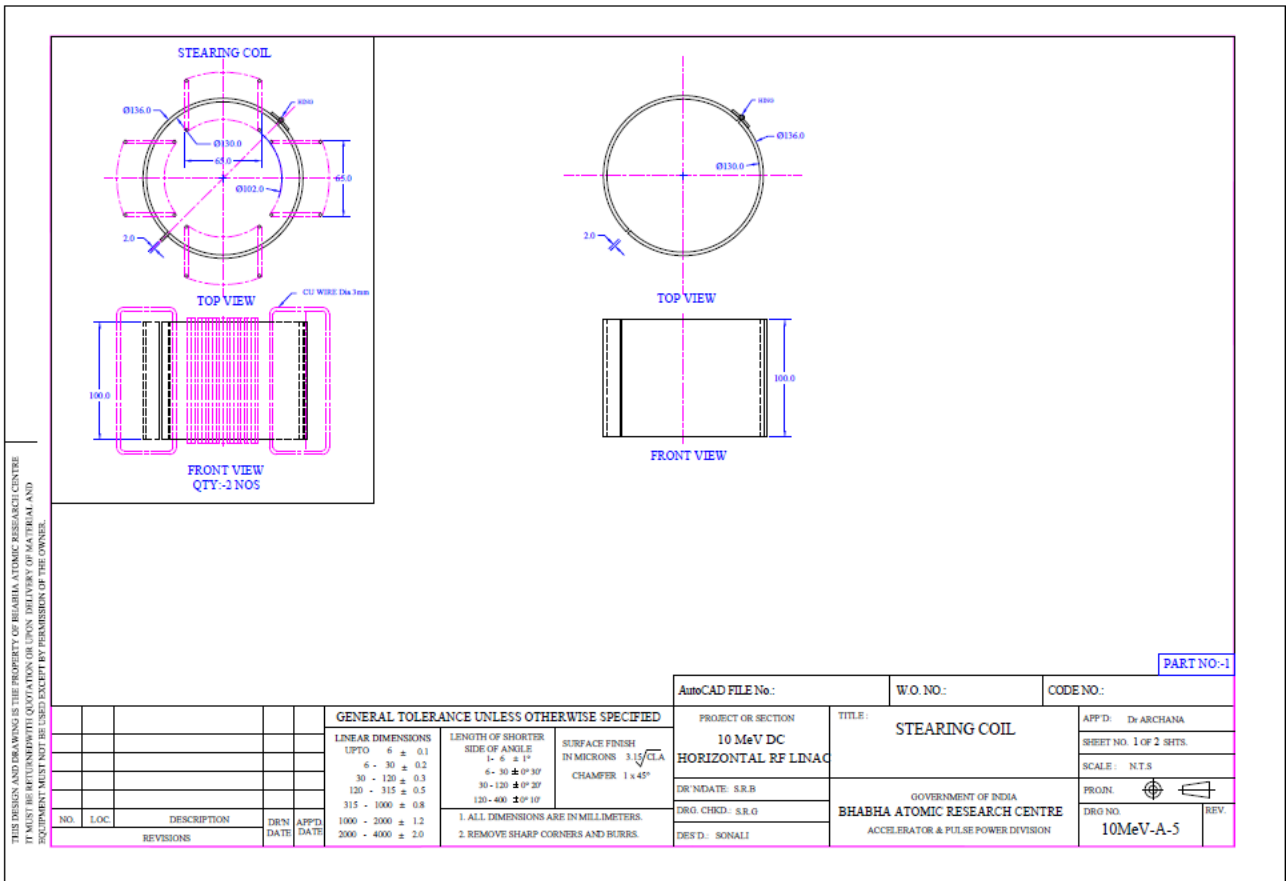
A description of the main parts of focusing and steering coil assembly is as follows,

| No. | Description               | Drg. No./ Part No. | Material | Qty. |
|-----|---------------------------|--------------------|----------|------|
| 1.  | Focusing magnet for 10MeV | 10MeV A-6          | MS-1010  | 1    |
| 2.  | Steering magnet for 10MeV | 10MeV A-5          | MS-1010  | 2    |

### Focusing and steering coil drawings:



**Figure. 1: Focusing coil drawing.**



**Figure. 2: Steering coil drawing.**

Specifications for focusing:

1. MS-1010 material for yoke of magnet.
2. Coil made of copper wire 10mm\*10mm with hole of diameter =5mm

Specifications for Steering:

1. MS-1010 material for yoke of magnet.
2. Coil made of enameled copper.