

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

REF. NO.: BARC/APPD/ASD/2017/ 249

DATE: 29/08/2017
T.9.

Subject: Inviting quotations for Fabrication and supply Fast Current Transformer (FCT) assembly with Ceramic Break and CF150 flanges

On behalf of the President of India, you are invited to quote '**Fabrication and Supply of Fast Current Transformer (FCT) assembly with Ceramic break and CF150 flanges**' as per the drawings attached in Annexure I. Terms & conditions are given below.

Sr.No.	Description of the Job	Quantity
1.	<p>Fabrication and Supply of Fast Current Transformer (FCT) Assembly with ceramic break and CF150 flanges as per the drawings attached in the Annexure I.</p> <p>The job involves material procurement, precision machining with stringent tolerances, fabrication of conflat CF150 flanges and welding of SS parts, welding of ceramic to SS joint of the ceramic break. The components will be used in Ultra high vacuum ($\sim 10^{-8}$ Torr). A job also involves the leak testing of the final assembly and supply of material at the site.</p>	1 Set

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 Fast Current Transformer (FCT) assembly with Ceramic break and CF150 flanges**" addressed to Head, APPD", BARC, Trombay, Mumbai-400085, **on or before 18-09-2017** (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, A.S.Dhavale, APPD, BARC on Tel. 25593742 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.
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.

A.S. Dhavale
A.S. Dhavale
SO(F), APPD, BARC

Satyawanarayan Acharya
S. Acharya
SO(H⁺), APPD, BARC

R.K. Rajawat
R.K. Rajawat
Head, APPD, BARC

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

श्री. आर. के. राजावत / Shri R. K. Rajawat
अध्यक्ष, त्वरक एवं स्पंद शक्ति प्रभाग
Head, Accelerator & Pulse Power Division
भारत सरकार / Government of India
भाभा परमाणु अनुसंधान केंद्र, मुंबई - 400 085.
Bhabha Atomic Research Centre, Mumbai - 400 085.

Annexure I

A description of the main parts of Fast Current Transformer (FCT) assembly is as follows,

No.	Description	Drg. No./ Part No.	Material	Qty.
1.	FCT Assembly drawing	30MeV-A-4-1	SS304L	2
2.	CF 150 flange	30MeV-A-5-2	SS304L	4
3.	Cover	30MeV-A-5-3	SS304L	4
4.	Ceramic Break I	30MeV-A-5-4	Alumina	2
5.	Ceramic Break II	30MeV-A-5-5	Alumina	2

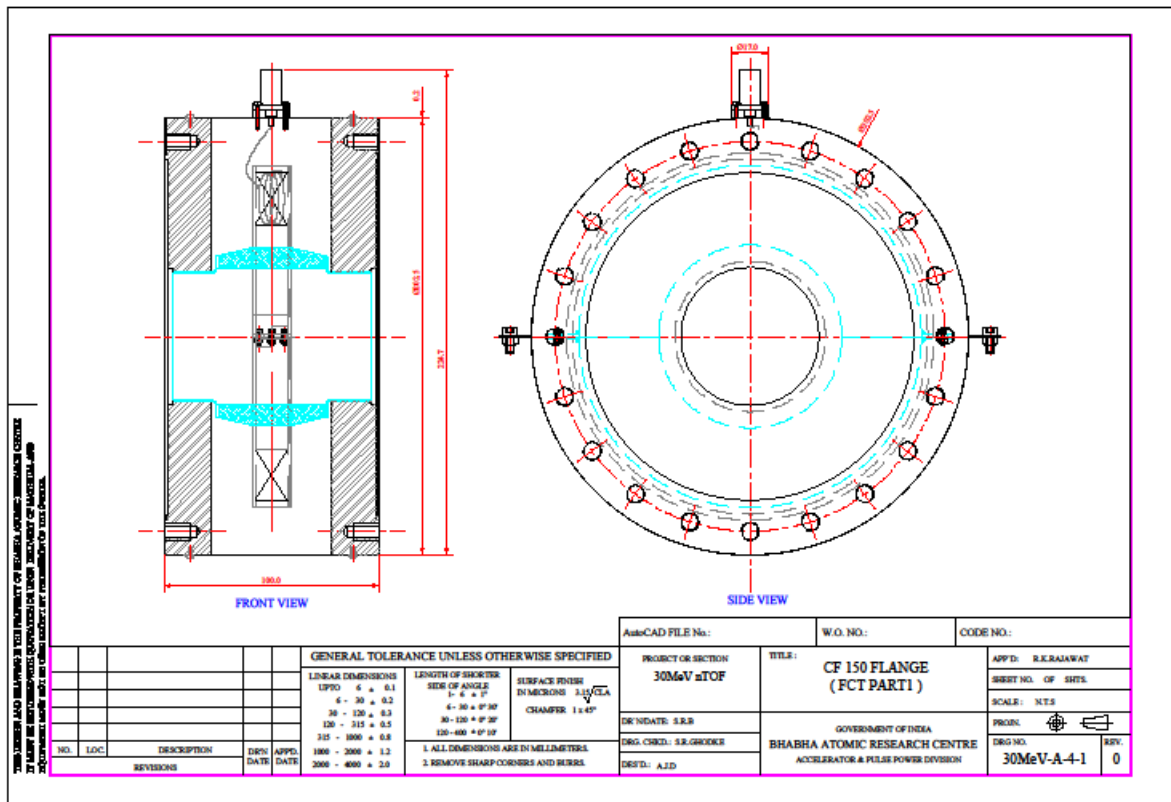


Figure 1. FCT Assembly Drawing

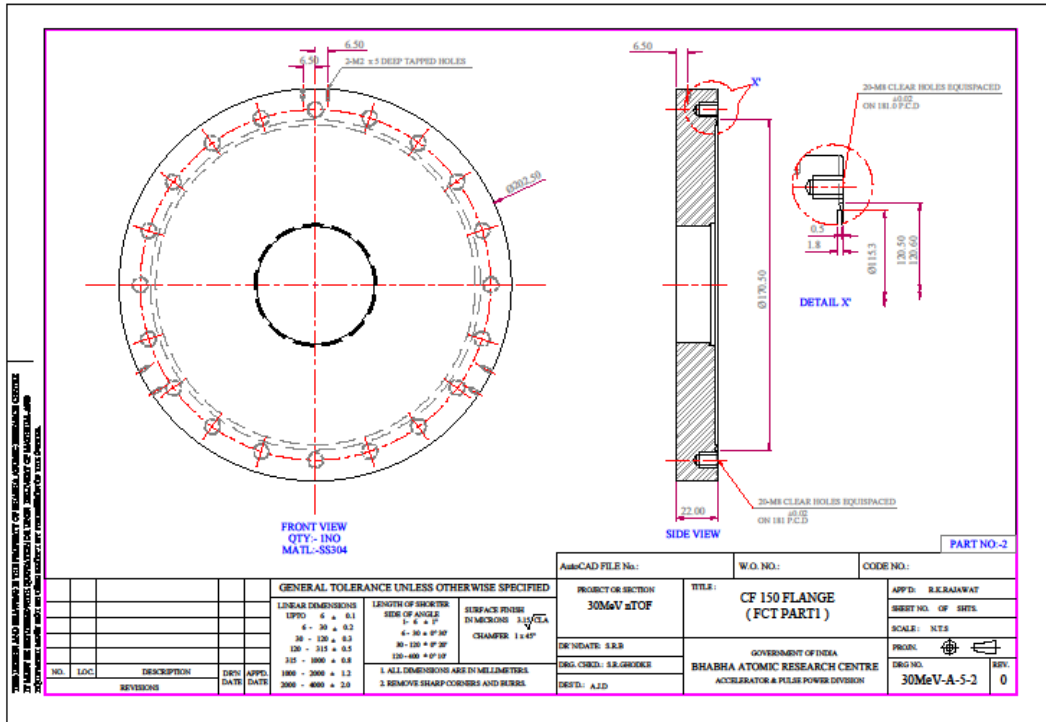


Figure 2. CF150 flange Drawing

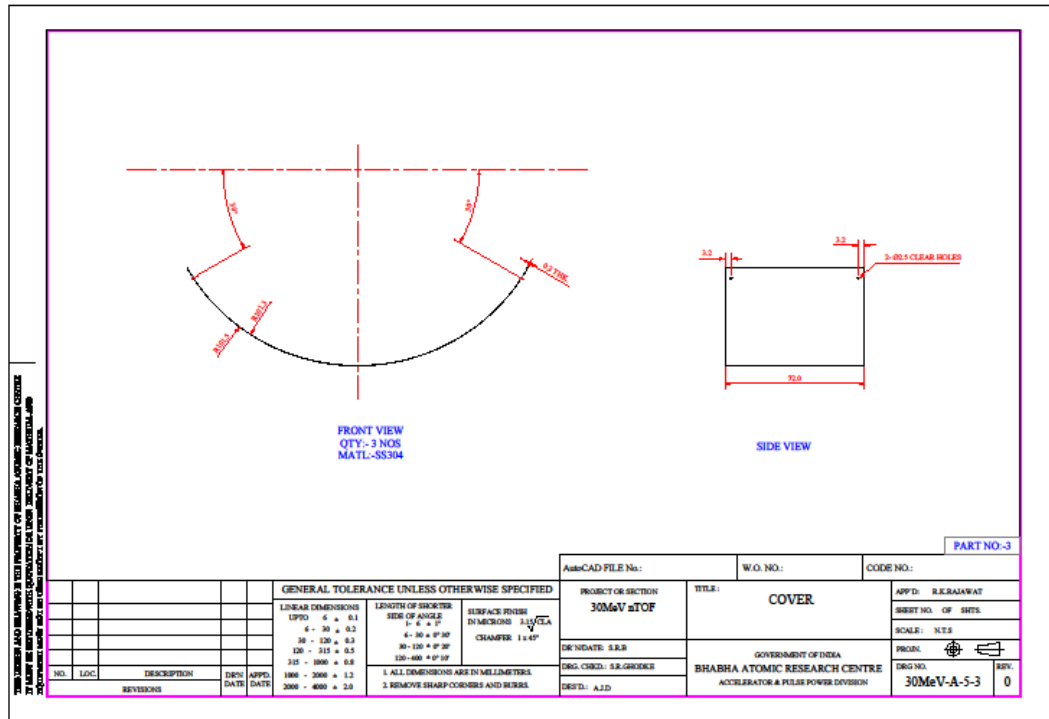


Figure 3. FCT Cover Drawing



Figure 4. Ceramic Break I (Part No.: 30MeV-A-5-4)

Specifications:

1. Weldable ceramic break with alumina ceramic, Kovar adapter
2. Ultra high Vacuum compatible (10^{-8} - 10^{-10} Torr)
3. Temperature range -100°C to 450°C
4. Nominal bore size 2.5"



Figure 5. Ceramic Break I (Part No.: 30MeV-A-5-5)

Specifications:

1. Weldable ceramic break with alumina ceramic and SS304 adapter
2. Ultra high vacuum compatible (10^{-8} - 10^{-10} Torr)
3. Temperature range -100°C to 450°C
4. Nomial bore size $\frac{3}{4}$ "