

Government of India
Bhabha Atomic Research Centre
Pulsed Power & Electromagnetics Division

Reference: BARCV/PPEMD/2018-19/R&D42.05/WO/PDB/14

Date 13 May 2019

Name of Party:

Dear Sir,

1. Quotations are invited for the minor fabrication job, as per the enclosed specification
2. Bidder shall quotes for fabrication of these components with materials.
3. Taxes shall be quoted separately.
4. The quotation must reach the Head, Pulsed Power & ElectroMagnetics Division by date 21.5.2019 and must be sent in a sealed, printed envelope superscripted with reference number and the due date given above. Quotation opening time is 4:00 PM on 21.5.2019. The party may send its representative at the time of opening.
5. The address of the envelop should read –
Pankaj Deb C/o Dr. Archana Sharma
PP&EMD division, PEB-1, Bhabha Atomic Research Centre
Gandivanipalem Village, Dossuru panchyat
Atchutapuram Mandala, Visakhapatnam - 531011
6. The fabrication work shall be subjected to inspection by our Engineer. The finished component shall not be dispatched prior to approval of our engineer at bidders premises. Necessary inspection facilities should be provided to our engineer during fabrication at bidder's premises.
7. The bidder shall deliver the finished components after approval by our engineer within 6 weeks from the date of firm work order issued to the bidder. The finished components along with left over material shall be delivered by the bidder at the address mention in point no 5
8. Head, PP&EMD reserves the rights to accept/ reject any or all quotations without assigning any reasons.
9. Delivery charges if any, must be clearly mentioned with the offer,
10. Quotation must also indicate the validity of offer.
11. Drawing / sketches must be returned along with the offer.
12. Quotation are to be in printed letter-head / quotation format only. Quotation received in computer-generated forms will be considered as invalid and rejected.
13. Quotation should consists of Sales Tax registration number (Registered with local ST / CST authority), PAN number of the firm, services tax registration number etc.
14. Claim preferred by the firms are also be in printed INVOICE format consisting of the above registration numbers.
15. No Free issue material will be given.
16. Since the goods are to be supplied against the work order meant for research purpose of a research organization under DAE, the necessary GST will be exempted to the party.

(Dr. Archana Sharma)
Head, PP&EMD
BARC, Visakhapatnam

डॉ अर्चना शर्मा
Dr. ARCHANA SHARMA
अध्यक्ष, स्पंद शक्ति एवं विद्युत-चुंबकीय प्रभा
Head, Pulsed Power & Electro-Magnetics Division (PP&EMD)
भाभा परमाणु अनुसंधान केंद्र (भारत सरकार)
Bhabha Atomic Research Centre (Government of India)
आटोनगर, विशाखपट्टणम
Atonnagar, Visakhapatnam

Fabrication & Supply of Epoxy Casting Pulse Transformer

Quantity: 1 Unit

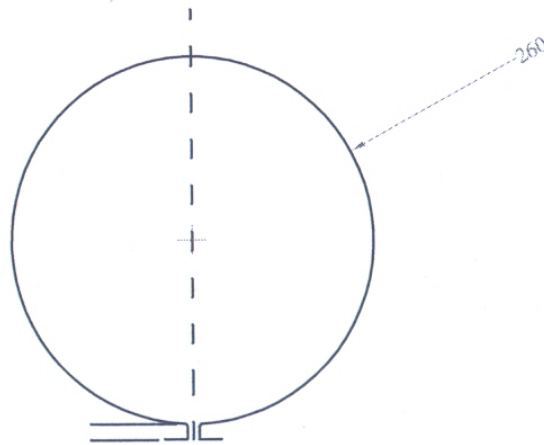
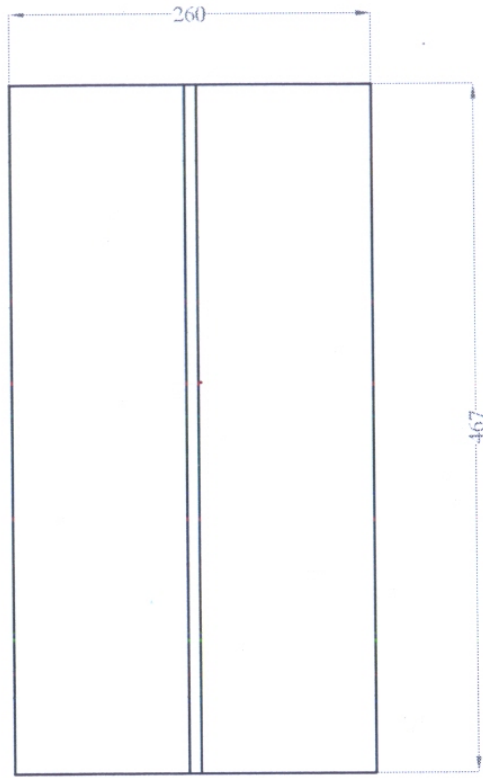
**Please refer the attached drawings for detailed dimensions and materials.
dwg- EPT1.pdf dwg-EPT2.pdf**

SPECIFICATION (Annexure -3) :

- 1) Fabricator has to assemble the “Epoxy Casting Pulse Transformer” with the main Assembly at BARC, Achyutapuram.
- 2) Suitable epoxy resin (equivalent to dielectric strength 17 kV/mm or dobeckot 520F) should be used in casting of the transformer
- 3) Vacuum pouring of resins should be performed to avoid voids.
- 4) Copper sheet and SS electrode should be interconnected with parallel Teflon wires
- 5) Fabricator should have work experience in similar type of Fabrication.
- 6) Voltage at Input terminal of Pulse Transformer : 50kV
- 7) Polyethylene wire of URM 67 coaxial cable/ RG 213 should be used for winding 65 turns.
- 8) The end point of polyethylene winding wire should be terminated to the electrode placed at upper end of nylon block.
- 9) All SS fasteners should be provided.
- 10) Fabricator should supply the epoxy casting pulse transformer as per technical specification and drawings attached.
- 11) For any clarification Vendors may contact.

Pankaj Deb , email id : pankajd@barc.gov.in

Rejection Clause :If the Epoxy Casting pulse transformer is not meeting the above Technical Specification (Annexure-3), the item will not accepted.



SHEET THICKNESS COPPER = 0.6 mm

**Copper circular sheet should be
Circular smooth & symmetrical from
the centre**

Dwg : EPT-2