

Government of India
Bhabha Atomic Research Centre
Advanced Technology Systems Section

Ref: ATSS/E&IG/17/ 83

Date: 08/05/2017

Sub: Fabrication of Sapphire ring and Design certification, Fabrication, Assembly & Vacuum Testing of Various High Voltage Components as per Annexure - 1

Dear Sir/Madam,

Quotations are invited for the “Fabrication of Sapphire ring and Design certification, Fabrication, Assembly & Vacuum Testing of Various High Voltage Components as per Annexure - 1”

1. Bidder shall quote for fabrication and supply of parts along with material.
2. Taxes and Excise Duties shall be quoted separately. Form AF / H whichever is applicable shall be provided, if required.
3. The quotation must reach by speed post to The Head, Advanced Technology Systems Section by 23/05/2017 and must be sent in a sealed envelope super scribed with the reference number & the due date given above.

The address on the envelop should read:

Head, ATSS, E&I Group,
RCnD Bldg., North Site
BARC, Trombay,
Mumbai - 400 085.

(Attn: Mr. R. K. Sharma, Ph.: 022 25591811/42)

4. The testing shall be witnessed by our engineer. The tested components shall not be dispatched prior to approval by our engineer at bidder’s premises. Necessary inspection facilities shall be provided to our engineer during fabrication at bidder’s premises.
5. The bidder shall deliver the finished components after approval by our engineer within 3 months from the date of firm work order issued to the bidder. The finished components shall be delivered by the bidder at ATSS, E&I Group BARC, Trombay, Mumbai - 400 085.
6. Head, ATSS, E&I Group reserves the rights to accept / reject any or all quotations without assigning any reason.
7. Delivery charges if any must be clearly mentioned in the offer. Quotation must also indicate the validity of offer. Quotation must also indicate the VAT no and PAN no of the party.
8. Drawings / Sketches must be returned along with the offer.
9. The quotation has to be signed by authorized person with company seal.
10. Payment will be made by cheque only after satisfactory completion of work on production of bill, delivery challan and advance stamped receipt. It may be noted that IT @ 2% and surcharge on tax at 15% shall be deducted from your bills.
11. Part supply is not acceptable.
12. Job should be guaranteed against material and manufacturing defects for 1year from the date of supply.

Encl.: Annexure - 1

(R. K. Sharma)
SO/F, ATSS, E&IG

(R. K. Sadhu)
Head, ATSS, E&I Group

Scope of work

(Annexure 1)

1. Fabrication, Assembly and Vacuum Testing of Various High Voltage Components- (2 Sets) as per drawings (sheet-1): 1-19 and with following details:

(A) All these components are having Tolerances in 10's of Micrometer.

(B) Extra Spare parts: (i) Components No. 2 and 2a --- Each 2Nos.

(ii) All the O-rings and gaskets involved in both "O-ring sealed Assembly" and "Gasket Sealed Assembly" -1SET.

(C) After final assembly of the high voltage vacuum components the assembly must be tested for **leak rate less than 10^{-8} mbar ltr/s**. The system should be connected with a rotary vacuum (10^{-3} mbar pressure) and vacuum holding for more than **20 Minutes at 10^{-2} mbar** pressure after rotary pump is switched off.

(D) Any modification in design and material is acceptable (with prior approval from Indenting officer) and it will be in suppliers scope to ensure the above vacuum level and tests.

(E) Supplier has to provide a **design report and its certificate as per pressure vessel design standards (ASME)** for selecting/modifying the particular size/material of the components FOR HOLDING 10^{-2} mbar PRESSURE.

2. Fabrication and supply of 200Nos Transparent Sapphire Rings OD: Φ 8mm with projection of 0.1mm range as per drawing sheet (2) attached.

Note: Suppliers/ Contractors who has past experience in Vacuum and high voltage components fabrication in 10' of Micrometer tolerance and vacuum leak rate testing and assembly only should send the quotation.