

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

Reference: PP&EMD | BARCV | 18-19 | IND | SKS | 32  
Name of Party:

Date 30-11-2018

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 16.12.2018 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. The party may send its representative at the time of opening.
5. The address of the envelop should read –  
Dr. S K Sharma C/o Dr. Archana Sharma  
PP&EMD, Bhabha Atomic Research Centre  
IDA Block B, 4<sup>th</sup> Cross Road, Autonagar, Visakhapatnam - 530012
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 with in 6/8 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.



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

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

## Fabrication & Supply High Voltage Feedthrough & Vacuum Isolator

### Detailed Specifications

#### 1. High Voltage Feedthrough - 1 Number

- Conflat Flange 6 " NW100CF
- Housing & Conductor : 304 Stainles Steel
- Insulation : Alumina Ceramic
- Voltage Rating : 70 kV
- Current rating: 6.5 A
- Temperature range : - 269 deg C – 450 deg C

#### 2. Vacuum Isolator - 2 Numbers

- Conflat Flange 2.75 " NW35CF
- Tube : Kovar or 304 Stainles Steel
- Insulation : Alumina Ceramic
- Voltage Rating : 65 kV
- Temperature range : - 269 deg C – 450 deg C

### Testing:

1. Ultimate vacuum achieved should be better than  $10^{-8}$  mbar.
2. Helium leak testing of better than  $10^{-9}$  mbar.ltr/sec
3. The vacuum testing can be done at the party site and later at our site.

### Note:

1. Material test certificate has to be provided
2. Material has to be delivered at BARC, Visakhapatnam