



Government of India
Bhabha Atomic Research Centre
Electromagnetic Applications and Instrumentation Division



Ref: BARC/EMA&ID/VT/2021/12529

Date: 02-Nov-2021

Sub: Testing, Engineering support, conditioning and Onsite assembly of high voltage deck for compact indigenous ion source of heavy ion beam line as per TSP/VT/21/301

Dear Sir/Madam,

1. Quotations are invited for the execution of subject work.
2. Taxes and Excise Duties shall be quoted separately. Form AF / H whichever is applicable shall be provided, if required.

The quotations must reach the under mentioned address on or before 12-11-2021 and must be sent in a sealed envelope super scribed with the reference number & the due date only through either registered post under India Post. Any other mode of transmission shall entitle the purchaser to reject the bids.

3. The address on the envelop should read:

The Head,
Electromagnetic application and Instrumentation division
RCnDBldg., North Site
BARC, Trombay, Mumbai - 400 085
(Kind Attn: VIKAS TIWARI)

4. The bidder shall complete the job within **03 months** from the date of firm work order issued to the bidder.
5. Head, Electromagnetic application and instrumentation division reserves the rights to accept / reject any or all quotations without assigning any reason.
6. Quotation must also indicate the validity of offer. Quotation must also indicate the GST No and PAN number of the supplier.
7. The quotation has to be signed by authorized person with company seal.
8. Payment will be made by EFT only after satisfactory completion of work on production of bill, delivery challan and advance stamped receipt. Income tax as applicable will be collected at the time of payment.
9. In case of any technical clarifications, the supplier may kindly contact us vide email ID: vikast@barc.gov.in, Tel No: 26899/21492

Encl.: Technical Specification Sheet no: TSP/VT/2021/301

(VIKAS TIWARI)
TO/C, EmA&ID, B.A.R.C
For and on behalf of the President of India
(The Purchaser)

Technical specification

Tender Enquiry No BARC/EMA&ID/VT/2021/12529 dated: 02-Nov-2021

Document no.	Revision no.	Date of Issue	No of pages
TSP/VT/2021/301	0	02-Nov-2021	0

1.0 SCOPE

Testing, Engineering support, conditioning and onsite assembly of high voltage deck for compact indigenous ion source of heavy ion beam line as per TSP/VT/21/301 (Quantity: 1 Set).

The complete job shall be carried out strictly as per requirements, specifications and its compliance standards. In this specification, the supplier shall be referred to as the “supplier” and Bhabha Atomic research Centre shall be referred to as the “buyer”.

Supplier shall provide complete raw material to carry out the above jobs. The supplier shall be qualified as per Para 5.0 of this document. The brief description of contents of the tender specification document is as described below.

2.0 DETAILED JOB DESCRIPTION

2.1 Testing, Engineering support, conditioning and Onsite assembly of high voltage deck for compact indigenous ion source of heavy ion beam line as per TSP/VT/21/301.

A plasma based indigenous ion source is installed at Hall11. Vendors have to provide full technical and engineering support for periodic safely removal of Lutetium disc from ion source. Mounting of different vacuum gauges, vacuum pump and mass flow controller at chamber wall of compact ion source. vendors have prior experience will be added point while awarding tender. An Aluminum profile based high voltage deck system will be fabricated at hall 11. vendor has to provide full technical and engineering support while fixing aluminum profile. Five Teflon cylindrical rod will be used for isolation. Vendor has to provide drawing for high voltage deck system. he should incorporate major or minor modification in high voltage deck system. Vendor manpower support will be provided in wrapping of Multi-layer insulation for Cryostat assembly. Engineering support will also be utilized for soldering of low temp Indium alloy. A skill person will be required for Low temperature soldering using Indium based alloy.

3.0 DELIVERABLES

NO SUPPLY is involved

4.0 GENERAL REQUIREMENTS

- 4.1 The supplier shall submit detail design report and its troubleshooting, working manual.
- 4.2 The part number and the source of all the hardware's shall be cleared mentioned before purchase of the same from the market. They shall be purchased and installed only after prior approval from BARC. Any component of inferior quantity purchased without prior approval will be rejected strictly.
- 4.3 The Supplier shall indicate in detail the standards adopted for the materials and processes and the quality control procedures followed by them.
- 4.4 Supplier can suggest the color, aesthetics, and other details as suitable. Supplier must offer best quality/IS certified material only.
- 4.5 Supplier should have similar work experience and along with the offer, shall submit the details of past experience with documentary proof.
- 4.6 Materials, tools, manpower etc required for the above work will not be supplied by the user. Supplier has to arrange the above on his own (No free issue material).

- 4.7 The supplier shall incorporate minor changes in the design as required at the time of execution of work at no extra cost.
- 4.8 The above job shall be done strictly under the supervision of our engineers in test facility at BARC premises.
- 4.9 Working personnel shall observe all the safety precaution during working.
- 4.10 The working personnel shall behave well with other officers and workers inside BARC campus.
- 4.11 The contractor shall be solely responsible, in case of any casualty involving working personnel. However, first aid will be provided by BARC.
- 4.12 General BARC security rules shall apply to all the working personnel.
- 4.13 Entry permit will be issued on weekly basis and contractor shall have valid photo pass with valid Police Verification certificate (PVC) as per the norms of BARC security.
- 4.14 Prior permission will be taken from security if the persons are required to do the job on Saturday, Sunday, Holidays and beyond normal working hours (08:00 to 18:00 hrs).

5.0 RAW MATERIAL PROCUREMENT

- 5.1 The raw material, electrical components used by supplier for the manufacturing of these components shall be of brand new and shall not be used previously.
- 5.2 All the material shall strictly confirm to their corresponding IS standards and shall be purchased only after prior approval from the purchaser.

6.0 REQUIREMENTS OF SUPPLIER QUALIFICATIONS

- 6.1 The supplier shall be evaluated on the basis of the following criteria
- 6.2 The supplier shall have previous experience in carrying out similar such jobs inside BARC and copy /proof of the same shall be attached.
- 6.3 The supplier shall submit the details of the welder, fitter and other man power, facility available with the supplier to carry out the job successfully.
- 6.4 The supplier shall provide the list of their employees along with their valid PVC certificate, who are intended to work in this job.
- 6.5 The supplier shall have minimum experience of 5 years in the development of chiller and proof of document of the same shall be provided.

7.0 REQUIREMENTS OF PRICE AND DELIVERY SCHEDULE

- 7.1 The supplier shall give lump sum price for the raw materials and man power to complete this job.
- 7.2 The complete job is expected to be completed in a duration of 03 months.

8.0 CONFIDENTIALITY CLAUSE

- 8.1 No party shall disclose any information to any third party concerning the matters under this Contract generally. In particular, any information identified as "Proprietary" in nature by disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to sub-contractors, consultants, advisors or the employees engaged by a party with equal force.
- 8.2 "Restricted information" categories under section 18 of the Atomic Energy Act, 1962 and "Official secrets" under section 5 of the Official Secrets Act, 1923: Any contravention of the above-mentioned provisions by any contractor / sub-contractor, consultant, advisor or the employees of the contractor will invite penal consequences under the aforesaid legislation.

8.3 Prohibition against the use of BARC's name without permission for publicity purpose. The contractor or sub-contractors, consultants, advisors or the employees engaged by a party shall not use BARC's name for publicity purpose through any public media like: press, radio, TV or Internet without any prior approval of BARC (wide circular ref.: 2/Misc-9/Lgl/2001/92 date 30/04/2001).

(VIKAS TIWARI)
TO/C, EmA&ID, B.A.R.C
For and on behalf of the President of India
(The Purchaser)