



TROMBAY,
MUMBAI - 400 085

GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
ION ACCELERATOR DEVELOPMENT DIVISION

Ref: IADD/MJ/2021/MFMWTC

Date: 29-12-2021

Sub: Minor fabrication of Microwave Test Components

Dear Sir,

Please let us have your competitive rate for *Minor fabrication of Microwave Test Components* as per following details:

1. The components must be fabricated as per drawing provided and material mentioned in Annexure-IV. The *ports, flanges* and *openings* should be aligned with high degree of precision.
2. All the components must be manufactured exactly as per the specifications given in the respective drawings. Any deviations from drawings must happen only with prior approval of the indenter.
3. Surface finish of all the components should be as mentioned in the respective drawing. The vendor must submit surface finish certificates of each fabricated component-meeting with the requirements mentioned in drawings-prior to delivery.
4. Generation of 3D CAD model, and detailed engineering drawings generated from the 3D model will be in the scope of the supplier. The supplier shall prepare the detailed fabrication drawings and must submit the drawings to undersigned for approval before starting the fabrication. Digital copies of the 3D model and drawings shall be provided to the indenter, along with hard copy of the drawings.
5. Surface finish and flatness: Surface finish of all internal surfaces should be better than 0.6 micron. Surface finish should be achieved only by machining. Buffing, grinding, etc. are not permitted. Surface finish must be demonstrated by the supplier when required by the undersigned.

6. The technical offer should contain a table showing compliance statement against each & every point of the **technical specification** (Annexure-I). The table shall clearly point out the expected deviations/ relaxations desired by the supplier. Alternatives, if any, shall be proposed by the supplier. Indenter may allow the relaxations based on its criticality. Necessary action will be taken if any undisclosed deviations are found on the later stages.
7. Supplier shall also fill in the attached **compliance table** (Annexure-II) and attach it with the technical offer. All entries of the table should be filled. **Quotations where the compliance table is not completely filled are liable to be rejected.**
8. The manufacturer should have previous experience in successfully fabricating Aluminium 6061 T6 and Brass components for use in RF and microwave applications. Also the manufacturer should have good experience of welding technology of special grade Aluminium (6061 T6).
9. All the copies of earlier work orders or purchase orders that demonstrate the required experience (as mentioned in paragraph 8 above) should be attached with the quotations. **If the supplier is unable to demonstrate suitable experience indicated above, the offer is liable to be rejected.**

Rights and Privileges:

Indenter reserves the right to inspect any machinery or material or equipment furnished or used by vendor or to reject any, which is found defective in workmanship, quality, and design or otherwise unsuitable for use which is not in accordance with the specification.

Note: In case any further clarification is required, the bidders may contact the undersigned at phone no. 022-2559-6395.

Your quotation duly filled in the prescribed format, addressed to “Head, IADD, Van-de-Graaff Bldg, BARC, Trombay, Mumbai – 400085” in a sealed envelope quoting tender number and due date, must reach on or before 11/01/2022 date by 3 PM. On top of envelop it must also be written that “*kind attention to Mr.Mentes Jose, IADD*”.

Mentes Jose
SO/D, IADD

Enclosures:

. **Technical Specification (Annexure I)** .
. **Compliance Table (Annexure-II)** .
. **Form of Quotation (Annexure III)** .
. **Drawings/Schematic Details (Annexure IV)** .