



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



Tender No. : EmA&ID/JI/2022/16F22B

Date: 09th March, 2022

Sub: Die casting and supply of E-glass cryogenic grade G-10 tubes as per technical specification sheet-TSP/01/2022

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.
3. The suppliers are shall submit the cost for Design, fabrication, assembly and testing. All necessary tools, instruments have to be arranged by the supplier.
4. The quotation must reach the undersigned on or before **21st March, 2022** and must be sent in a sealed envelope super-scribed with the *reference number & the due date* given above.
5. The quotations must reach us on or before the aforesaid date by India post (by speed post or ordinary post) only.
6. The address on the envelop should read:
The Head,
Electromagnetic Applications Section,
Electromagnetic Applications & Instrumentation Division
RCnD Bldg., North Site,
B.A.R.C, Trombay,
Mumbai - 400 085.
(Attn: Shri. Janvin Itteera)
7. The finished components with the test certificates as mentioned in the enclosures shall be delivered by the manufacturer after the award of the contract at BARC, Trombay, Mumbai - 400 085.
8. Delivery, packing & forwarding charges, if any, must be clearly mentioned in the offer.
9. Drawings / Sketches (if any) must be returned along with the offer
10. Quotation must indicate the PAN and GSTIN no of the vendor. Minimum validity of 60 days is preferred.
11. The quotation has to be duly signed by *authorized person with company seal*. *Unsigned offers shall be treated as invalid*.
12. For any technical clarifications, Please contact us vide email: janvin@barc.gov.in; Tel: +912225591492

(Janvin Itteera)
Scientific Officer(E), B.A.R.C
For & on Behalf of the President of India
(The Purchaser)

Die casting and supply of E-glass cryogenic grade G-10 tubes as per technical specification sheet-TSP/01/2022

The tender is invited for the above work

2.0 Scope of work:

2.1) Supplier fabricate, test and qualify the below mentioned items for as per the technical specification mentioned in para 5.0

3.0 FREE ISSUE MATERIAL

No free issue material will be issued to the contractor.

4.0 DELIVERABLE

The deliverables included in this tender are as follows:-

For the FIM supplied by the purchaser, the items highlighted under table-1.0 are to be delivered:

Sr. no	Description	Quantity
1	Die cast E-glass impregnated cryogenic grade G10 Tubes	10 Nos

Table-1.0

5.0 Technical Specification

S No.	Parameters	Value
1	Dimensions	Tube dimensions Inner diameter: 100±0.05mm; Thickness: 2±0.02mm Length: 100±0.05mm; Overall Cylindricity: < 0.05mm
2	Grade of Fibre glass cloth	E-glass or S-glass
3	Directional wrapping	Circumferential wrapping with vertical overlapping
4	Epoxy grade	Cryogenic grade, non-brominated epoxy resin
5	Operating temperature	~ 4K-77K

Table-2.0

5.1) The supplier shall also provide test reports of the epoxy material, grade of Fibre glass and dimensional inspection report from a calibrated CMM with an accuracy of 10µm.

6.0 PERFORMANCE OF THE CONTRACT

6.1 Fabrication and Delivery Schedule

- A) The purchaser representative shall be apprised of the changes incorporated in the procedure compartments to do the needful.
- B) The entire work has to be completed in 2 months
- C) During testing, purchaser representatives shall be witness to verify the results.

6.2.3 Quality Control Records

The QCR shall contain:

Material Test reports, dimensional inspection report

Jc
16/02/2022
Scientific Officer/E
वैज्ञानिक अधिकारी / Scientific Officer/E
ई एम ए आय डी / EmA&ID
भारत सरकार / Govt. of India
भाभा परमाणु अनुसंधान केंद्र
Bhabha Atomic Research Center
मंडई / Trombay, Mumbai - 400085.
Page 1 of 2

7.0) Warranty:

7.1) Supplier shall be duty bound to provide warranty and adequate after sales support to the fabricated components after the execution of the work for a period of 1 year.

8.0 GENERAL DESCRIPTION:

8.1 Supplier shall submit the offer including the fabrication, assembly and testing

8.2 Overall cost will be compared and include packaging, forwarding and safe delivery to purchaser site.

16/02/2022

Jamnis Steena

वैज्ञानिक अधिकारी / Scientific Officer / F
ई एम ए आय डी / EmA&ID
भारत सरकार / Govt. of India
भाभा परमाणु अनुसंधान केंद्र
Bhabha Atomic Research Center
ट्रॉम्बे, मुंबई / Trombay, Mumbai - 400085.