



सत्यमेव जयते

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



Tender No. : EmA&ID/JI/2022/26AP22(A)

Date: 26<sup>th</sup> April, 2022

Sub: High temperature sintering, CNC machining, CMM inspection and supply of high voltage Alumina Discs as per Annexure-A

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 **06<sup>th</sup> May, 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: Mr. 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 the undersigned vide email: [janvin@barc.gov.in](mailto:janvin@barc.gov.in); Tel: +912225591492
13. All items delivered under this work order are developed solely for R&D purpose for use at EmA&ID, BARC, Trombay, hence, requisite exemptions shall be granted to successful contractor

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

## Technical Specification: Annexure-A

Supplier shall fabricate high purity high voltage compatible Alumina disc for medical applications as per the following specifications

### 1.0 Technical Specification

S No.	Specification	Value
1.	Purity of Alumina	>99%
2	Dimensions	As per enclosed drawings
3	Operating temperature	>1800°C
4	High Voltage (dielectric withstand)	>75kV between two faces
5	Surface finish	<1.5µm (R <sub>a</sub> )

### 2.0 List of documents:

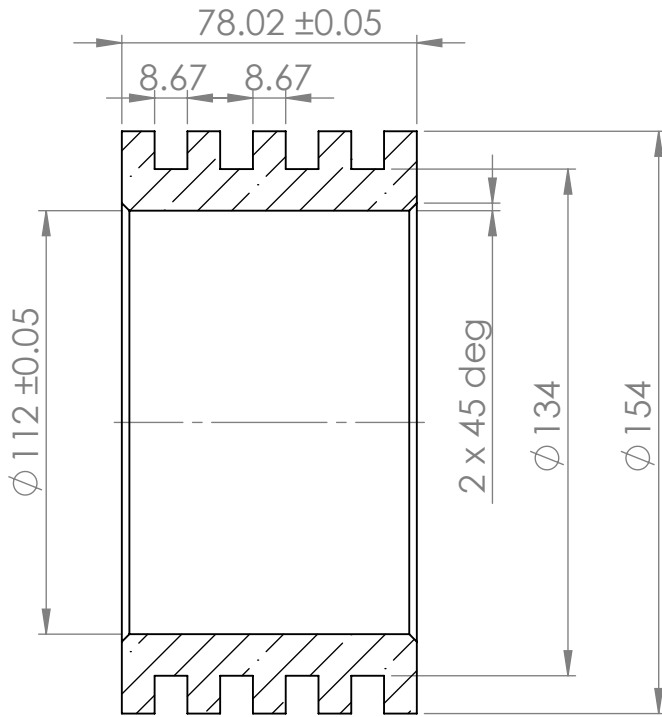
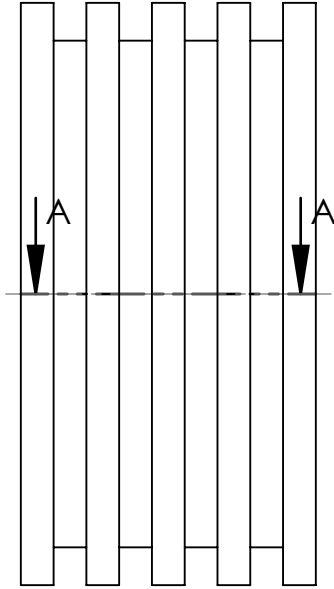
2.1) In addition to other mandatory tender documents for bidding, supplier has to furnish technical catalog of the product offered indicating the expected values under para 1.0.

2.2) During supply, contractor has to furnish material test certificate for the supplied product.

2.3) No post supply inspection will be permitted at purchaser's premises.

3.0) Deliverables: Quantity-08 Nos

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SECTION A-A  
SCALE 1 : 2

Material: Sintered ALumina

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
SURFACE FINISH:  
TOLERANCES:  
LINEAR:  
ANGULAR:

FINISH:

DEBUR AND  
BREAK SHARP  
EDGES

DO NOT SCALE DRAWING

REVISION

	NAME	SIGNATURE	DATE		
DRAWN					
CHK'D					
APPV'D					
MFG					
Q.A				MATERIAL:	
				WEIGHT:	

TITLE:

DWG NO.

Ceramic\_insulator A4

SCALE:1:5

SHEET 1 OF 1