

Government of India
Bhabha Atomic Research Centre
Chemical Technology Group
Chemical Technology Division

Notice Inviting Tender

Tender Ref No.: ChTG/ChTD/LS/MF/2021/

Date: 16/12/2021

Sealed quotations are invited on behalf of President of India by Head, ChTD / BARC for the following work from contractors having adequate experience and capabilities to execute such magnitude and quality of similar works and who have similar experience with different units of Department of Atomic Energy (DAE).

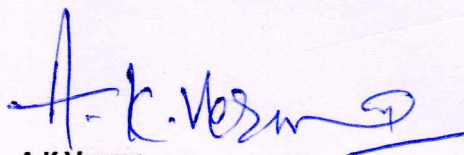
Description of Work: **Development & Fabrication of disc and fixture setup as per technical specifications and drawings.**

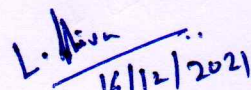
1. Period of completion: 180 days from the date of issue of work order.
2. Vendors may contact on Telephone No. 02225591983 (L SHIVA, e-mail id: lshiva@barc.gov.in) for submission of application for tender/issuance of enquiry.
3. Sealed envelope should super-scribe the above reference number and due date. Also name of the work shall be displayed on the envelope
4. Sealed Quotations should be submitted only through registered post/speed post through Indian Postal Service. Address on the envelope shall read

The Head, Chemical Technology Division, ChTG
Bhabha Atomic Research Centre
Cel 5, Trombay, Mumbai 400085
Attn: L SHIVA, SO/D

5. Please mention GST No., PAN no. etc on original quotation
6. Enquiries will be issued to the eligible vendors from 06-01-2022 to 27-01-2022 between 10:00 hrs to 17:00 hrs (on working days).
7. Last date of submission of application will be 27-01-2022.
8. Sealed quotations will be opened on 28-01-2022 at 1100 hrs.

Head, ChTD, BARC reserves the right to accept or reject any or all quotations without assigning any reason.


A K Verma
Head, ChTD/ChTG


16/12/2021
L SHIVA
Scientific Officer (D)
(For and on behalf of The President of India)

Technical Specifications

1. Scope

This specification establishes the requirements for Collection of free issue material, Rough machining, Heat treatment at BARC, Mumbai and Finish machining within specified tolerances, Inspection, Packaging and Shipment of 4 Nos. of A3-ChTD-001-LS. MDN 350 material. And 4Nos. of A3-ChTD-002-LS. Material: SS 304L (for this FIM won't be issued).

S No.	Part	Quantity	Detail	Remark
1.	Disc	4 Nos.	A3/ChTD/MDS/838. Material: MDN 350	FIM will be issued
2.	Fixture	4 Nos.	A3/ChTD/MDS/837. Material: SS 304L	No FIM will be issued

The following method will be followed for the machining of disc A3-ChTD-001-LS.

- I. Rough machining will be carried out at vendors place.
- II. The machined component should reach BARC at the cost of vendor.
- III. Hardening will be carried out at BARC.
- IV. The hardened component should be collected by the vendor at his own expense.
- V. Final precession machining should be carried out at vendors place as per drawing.

2. General

- a. The parts mentioned above to be manufactured as per relevant IS 2102 (Part 1 & 2) Å 1980...General Tolerances for Dimensions, Form & Position.
- b. This shall be established by inspection and testing at contractor's works.
- c. The selection of raw materials and design of manufacturing procedures to achieve high engineering standards and to ensure high performance guarantee shall be the contractor's prime responsibility.
- d. The contractor shall provide all inspection facilities at its works, to the satisfaction of the purchaser, to establish and verify the specifications mentioned under this annexure.
- e. **A proper breakup of all the prices shall be provided in the quotation.**
- f. All disputes pertaining to this order shall be resolved as per Mumbai jurisdiction.

3. Free Issue Material

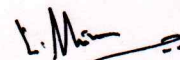
- a. The free issue material shall be of MDN 350 in annealed condition.
- b. FIM shall be supplied in lots to produce a batch of 4nos. of Part No. A3/ChTD/MDS/838. The cost of free issued material for each Part No. A3/ChTD/MDS/838 shall be **Rs. 63000.00**
- c. 3.3.2 Contractor shall take an insurance policy, at his cost to cover the free issue material. The insurance policy shall
- d. (1) Cover the full value of free issue material.
- e. (2) Shall cover losses, damages to purchaser's material due to fire, theft, transportation, burglary, riot, strike, civil commotion etc.
- f. (3) Shall be valid till the date of final delivery of finished components.
- g. (4) Shall include purchaser's name as beneficiary

4. Delivery

Delivery to be completed within 180 days from the date of receipt of work order.

5. Guarantee

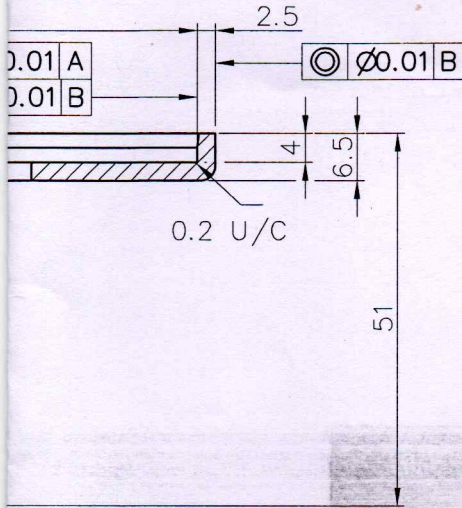
All items supplied shall be guaranteed against defect for a period of 12 months from the date of delivery.



L SHIVA

Scientific Officer (D)

ChTD/ChTG, BARC



NOTES:-

01. ALL DIMENSIONS ARE IN mm.
02. GENERAL TOLERANCE: ± 0.05 mm.
03. ALL SHARP CORNERS TO BE ROUNDED TO 0.2R.
04. RUNOUT OF ALL DIAMETERS WITH REFERENCE TO $\phi 42$ WITHIN 0.02 mm TIR.
05. THE COMPONENTS SHOULD BE PACKED PROPERLY IN THERMOCOLE MOLDED BOXES TO PREVENT DAMAGE DURING TRANSPORTATION.
06. THE COMPONENTS SHOULD HAVE COATING OF SURFACE OIL / GREASE TO PREVENT ATMOSPHERIC CORROSION.

MATERIAL:- SS-304

QTY:- 04

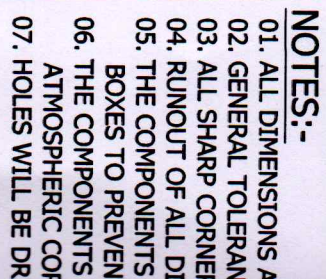
DRAWING FOR
COMMENT

17 DEC 2021

CATEGORY	ϕD IN mm.
I	$\phi 190.450^{+0.015}_{+0.010}$
II	$\phi 190.525^{+0.015}_{+0.010}$
III	$\phi 190.600^{+0.015}_{+0.010}$
IV	$\phi 190.675^{+0.015}_{+0.010}$

L. Min

PROJECT OR SECTION			TITLE		APP'D: -	
MTS			FIXTURE FOR THIN COVER		PROJECTION: - 	
DR'N/DATE -PS/22.11.21			GOVERNMENT OF INDIA		SCALE: -1:1	
DRG.CHK'D <i>L.M.</i>			BHABHA ATOMIC RESEARCH CENTRE		DRG. NO: -	
DES'D <i>L.M.</i> <i>L. SHIVA</i>			CHEMICAL TECHNOLOGY DIVISION		A3-CTD/MDS/837	
DR'N DATE	APP'D		SHEET NO. -		OF	



QTY:- 04

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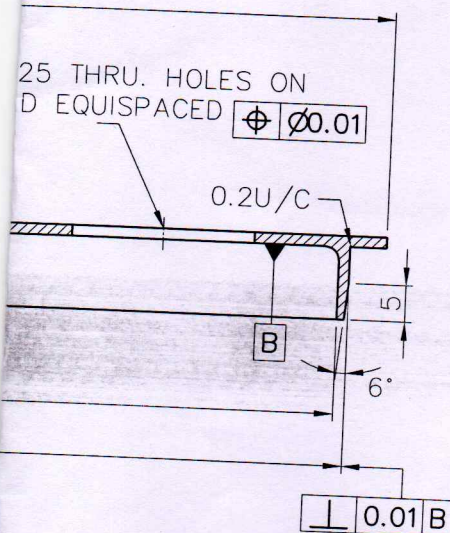
NOTES:-

01. ALL DIMENSIONS ARE IN mm.
02. GENERAL TOLERANCE: ± 0.05 mm.
03. ALL SHARP CORNERS TO BE ROUNDED TO 0.2R.
04. RUNOUT OF ALL DIAMETERS WITH REFERENCE TO $\phi 42$ WITHIN 0.02 mm TIR.
05. THE COMPONENTS SHOULD BE PACKED PROPERLY IN THERMOCOLE MOLDED BOXES TO PREVENT DAMAGE DURING TRANSPORTATION.
06. THE COMPONENTS SHOULD HAVE COATING OF SURFACE OIL / GREASE TO PREVENT ATMOSPHERIC CORROSION.
07. HOLES WILL BE DRILLED AFTER THE PROCESS OF AGE HARDENING AT BARC.

MATERIAL:- MDN

QTY:- 04

25 THRU. HOLES ON
D EQUISPACED $\phi \phi 0.01$



CATEGORY	ϕD IN mm.
I	$\phi 190.55^{+0.02}_{+0.01}$
II	$\phi 190.70^{+0.02}_{+0.01}$

13 DEC 2021

DRAWING FOR
COMMENT

L. Shiva
03/12/2021

PROJECT OR SECTION		TITLE		APP'D: -	
MTS		DUMMY END CAP		PROJECTION: -	
DR'N/DATE -PS/22.11.21		GOVERNMENT OF INDIA		SCALE: -1:1	
DRG.CHK'D L. Shiva		BHABHA ATOMIC RESEARCH CENTRE		DRG. NO: -	
DES'D L. SHIVA		CHEMICAL TECHNOLOGY DIVISION		A3-CTD/MDS/838	
DR'N DATE	APP'D	SHEET NO. -		OF	