

दूरभाष :  
TELEPHONE  
तार : बार्क-मुंबई, चेम्बूर.  
TELEGRAMS : BARC-MUMBAI, CHEMBUR.  
फेक्स संख्या : ९१-२२-५५० ५१५१  
FAX NUMBER : 91-22-550 5151



भारत सरकार  
GOVERNMENT OF INDIA  
भाभा परमाणु अनुसंधान केन्द्र  
BHABHA ATOMIC RESEARCH CENTRE

### Mechanical Metallurgy Division

### Tender Invitation

टॉम्बे,  
मुंबई - ४०० ०८५  
TROMBAY,  
MUMBAI-400 085

Ref: No.: MMD/MDS/MF/2021/ **P-11043**

date: 25/10/2021

To,  
M/s.

Dear Sir,  
Please submit your sealed quotation for the following job:

Sr. No.	Description of job	Quantity
1.	Fabrication of die-punch sets with proper support for fabrication of tensile and curved compact tension specimens from metal alloy tube. <i>(as per specifications attached in Annexure -I)</i>	1 job

#### **The terms and conditions are given below:**

1. The quotation should be sent in a sealed envelope. The quotations are to be in printed letter head / quotation format which should clearly mention the name, reference no., due date and with the words "**Quotation: not to be opened**". **Attn..., Arjun Sarkar should be mentioned top of the envelop. It should reach the undersigned within the due date given below.** The quotation reached after the due date will not be considered.
2. The complete quotation shall reach the following address **On or Before 15/11/2021 by Speed Post.**

Head,  
Mechanical Metallurgy Division,  
Bhabha Atomic Research Centre,  
Trombay, Mumbai – 400085.

3. The quotations will be opened on the next working day at MMD/BARC between 14.00 to 16.00 Hrs. The Head of Division reserves the right to extend the date of opening the quotations and also rejects the tender without assigning any reasons.
4. Taxes as applicable should be quoted separately.
5. Income tax @2% and surcharge on IT as applicable will be deducted from your bill.

6. Any delay which attributable to the contractor is liable for penalty @ 0.5% per week (max. 10%) to be imposed on contractor.
7. Quotation shall consist of GSTN number registered with local GST authority/CGST Authority and PAN number of the firm. The PAN No. of the company should be clearly mentioned in your offer. The name of the authorized signatory person should be clearly mentioned below his signature. Quotations received without signature, over-writing, summation errors etc. will be considered as invalid and thus rejected.
8. Payment would directly be made by Accounts Division of BARC after 100% work is completed and on the submission of advance stamped receipt, invoice bill, and satisfactory completion certificate from the user. Payment will be made through ECS/RTGS only. No advance is admissible.
9. Validity of the offer shall be 90 days from date of opening of quotation.
10. Contractor will be liable to supply all required materials.
11. The parties should visit the site before quoting with prior appointment with the indenting officer.

**Confidentiality Clause:**

- A) No party shall disclose any information to any third party concerning the matters under this contract. In particular, any information identified as "proprietary" in nature by the 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 the subcontractors, consultants, advisors or the employees engaged by a party with equal force.
- B) "Restricted information" categories under section 18 of the Atomic Energy Act, 1962 and "office secrets" under section 5 of the Official secret Act, 1923:  
Any contravention of the above mentioned provisions by any contractor, subcontractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.
- C) Prohibition against use of BARC's name without permission of publicity purpose:  
The contractor, subcontractor, consultant, adviser or the employees of a contractor shall not use the BARC's name for any publicity purpose through any public media like press, T.V., radio or internet without the prior written approval of BARC.

Yours sincerely,



(Arjun Sarkar)

Indenting Officer

Phone No. 25590469/3286

Email: arjuns@barc.gov.in

**वैज्ञानिक अधिकारी / Scientific Officer**

**यांत्रिक धातुकी प्रभाग / Mechanical Metallurgy Division**

**भारत सरकार / Government of India**

**भाभा परमाणु अनुसंधान केंद्र**

**Bhabha Atomic Research Centre**

**टॉम्बे, मुंबई - 400 085. / Trombay, Mumbai - 400 085.**

## Annexure - I

### Scope of the work

**Sub:** Fabrication of die-punch sets with proper support for fabrication of tensile and curved compact tension specimens from metal alloy tube.

Four different die-punch sets with proper support and common base plate for mounting die-punch sets on Universal Testing Machine, (Capacity of UTM: 500kN, Circular Base: 250mm diameter, Clamping: M52 Female thread, Stroke length: +/- 75mm) for fabrication of tensile specimens with gripping hole and without gripping hole and curved compact tension specimens from metal alloy tube, (Yield Strength: 594 MPa , Ultimate Tensile Strength: 811 MPa and Vickers Hardness, HV: 250 to 300 as per attached drawing in Annexure – II A and Annexure – II B.

Specification of Die and Punch sets for Tensile and CCT Sample:

Sr. No.	Drawing No.	Description	Quantity
1		One number common base plate for mounting dies on Universal Testing Machine.	1 Job
2	MMD/MDS/PT/TEN SILE/2021/06	One number die-punch set with proper support for fabrication of Tensile specimens from metal alloy tube, OD = 90mm, ID = 82mm and thickness 4mm. Vickers Hardness, HV of metal alloy tube: 250 to 300.	
3	MM/MDS/PT/CCT/2 021/05	One number die-punch set with proper support for fabrication of curved compact tension, (CCT) specimens from metal alloy tube, OD = 90mm, ID = 82mm and thickness 4mm. Vickers Hardness, HV of metal alloy tube: 250 to 300.	
4	MMD/MDS/PT/TEN SILE-HOLE/ 2021/07	One die-punch set with proper support for fabrication of holes on Tensile specimens.	
5	MM/MDS/PT/CCT/2 021/05	One number die-punch set with proper support for fabrication of holes and 'V' slot on curved compact tension, (CCT) specimens.	

#### General Note:

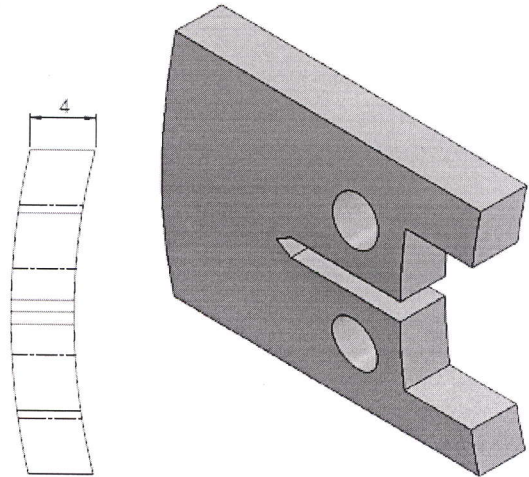
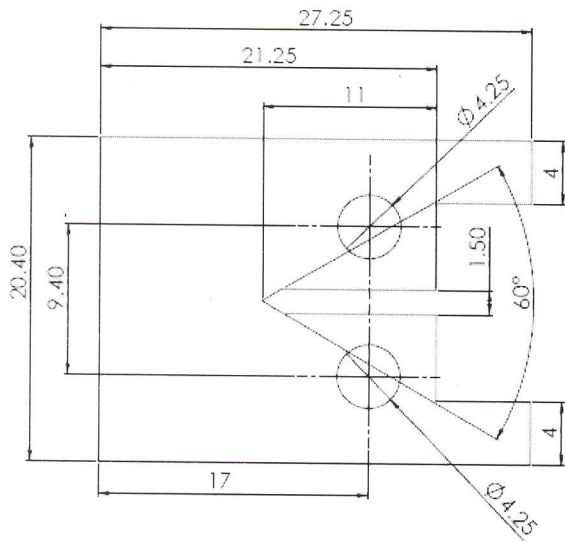
- Interested parties should visit the site before quoting with prior appointment with the indenting officer.
- During predespatch inspection, supplier should demonstrate the fabrication of minimum three specimens from each set as per dimensions of specimens drawing.
- One year warranty needs to be provided.

*Arjun Sarkar*  
25/10/2021  
(Arjun Sarkar)  
Indenting Officer

वैज्ञानिक अधिकारी / Scientific Officer  
यांत्रिक धातुकी प्रभाग / Mechanical Metallurgy Division  
भारत सरकार / Government of India  
भाभा परमाणु अनुसंधान केंद्र  
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ट्रॉम्बे, मुंबई - 400 085 / Trombay, Mumbai - 400 085.



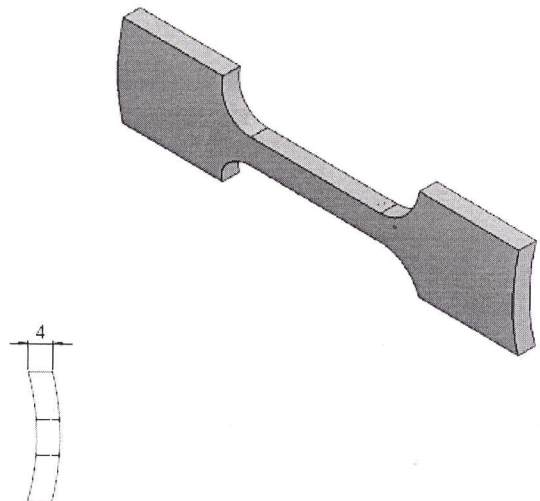
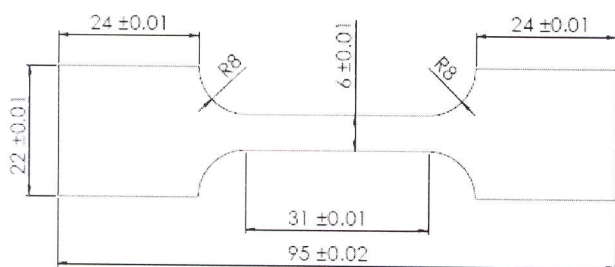
1) Curved compact tension specimen:



ALL DIMENTIONS ARE IN MM

DRG. NO.: MMD/MDS/PT/CCT/2021/05

2) Tensile specimen without gripping holes:

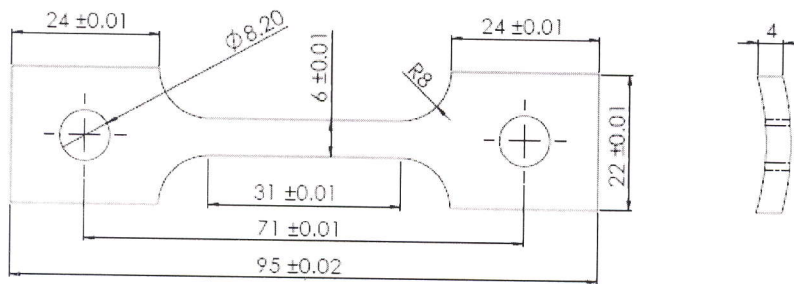
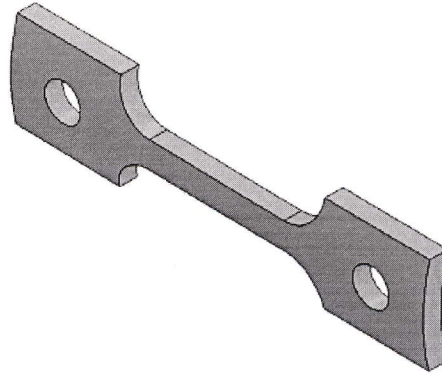


ALL DIMENSIONS ARE IN MM

DRG. NO.: MMD/MDS/PT/TENSILE/2021/06

*Dejunsana*  
25/10/2021  
(ARJUN SARKAR)

3) Tensile specimen with gripping holes:



ALL DIMENSIONS ARE IN MM  
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*Designman*  
25/10/2021  
(ARJUN SARKAR)