

Government of India
Bhabha Atomic Research Centre
Mechanical Metallurgy Division
Materials Group

Ref: mmd/Gs/2022/P-36798

25
Date: 31/03/2022

Quotations are invited for the following minor fabrication job:

Sl. No.	Description	Quantity (No.s)
1	<p>Fabrication and supply of samples and fixtures for carrying out tensile and fracture toughness tests as per the following details:</p> <ol style="list-style-type: none">1. Round tensile sample with guage dia of 4 mm, guage length 20 mm, with gripping thread of M8x1.25. Total length of the specimen is to be in the range 50 – 60mm. The design should conform to ASTM E8M standard schedule 6.0 in general and schedule 6.4 in particular.2. TPB sample [Similar to Charpy (simple beam) Impact sample] with straight notch conforming to ASTM E23 standard schedule 7.0 in general and schedule 7.3.1 in particular. Chevron notch should be made.3. Fracture toughness sample of CT design; width 25 mm, Thickness 8 mm conforming to ASTM E 1820 schedule 7 Annex 2. Chevron notch should be made.4. Clevis grip set for fracture toughness sample of CT design; width 25 mm, Thickness 8 mm, conforming to ASTM E 1820 schedule 6.5.2.5. TPB fixture set for fracture toughness sample of TPB design; width 10 mm, Thickness 10 mm, conforming to ASTM E 1820 schedule 6.5.1.6. M8 studs for connections and $\phi 6$ pins with 35 mm length with holes at end <p>The supplier should be experienced in the manufacture of high quality samples and grips that are used for material qualification. They should be aware of the requirements of ASTM standards and their requirements for sample finish and workmanship.</p> <p>The material for specimens (items 1-4) is low alloy steel, in the form of plates with about 15 mm thickness. The material for grips, i.e. items 4-6 would be Inconel (>35 Rc). Notch size, shape and orientation are important and need to be identified as the specimen progresses through the various machining stages. Inspection has to be done and report should be provided by the supplier.</p>	<p>50 nos</p> <p>25 nos</p> <p>25 nos</p> <p>2 sets</p> <p>2 sets</p> <p>10 each</p>

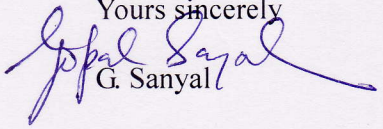
Note:

1. The reference no. given above and due date **04/04/2022** should be clearly mentioned on the sealed envelope. Please superscribe the envelope with the words “Quotation: not to be opened”.
2. The quotation must contain detailed drawings for item no.s 1-6 as attachments, conforming to ASTM standard, wherever applicable, for technical screening prior to commercial consideration. Quotation shall be complete in all respect with regard to price, validity etc. and must reach the undersigned by the due date **04/04/2022 (time: 16:00 hrs)**. It is advised to send the quotation by speed post service of India Post, as private courier services are not permitted inside BARC premises.
3. Quotation should be sent to the following address:

Mr. Gopal sanyal
Scientific Officer, FMS
MMD, Materials Group
Bhabha Atomic Research Centre
Trombay, Mumbai- 400085.

4. The offer shall be valid for 60 days from the date of opening and in case of placement of the work order shall remain firm till the completion of the work.
5. Quotation should be submitted in printed/ typed form on your letter head. Your VAT/ Sales Tax Registration No. registered with local ST authority/CST authority, PAN No. of the firm, Service Tax Registration No., etc. should be clearly mentioned. Computer generated letter heads are to be construed invalid and rejected.
6. Taxes etc. if applicable should be indicated separately.

Yours sincerely


G. Sanyal