

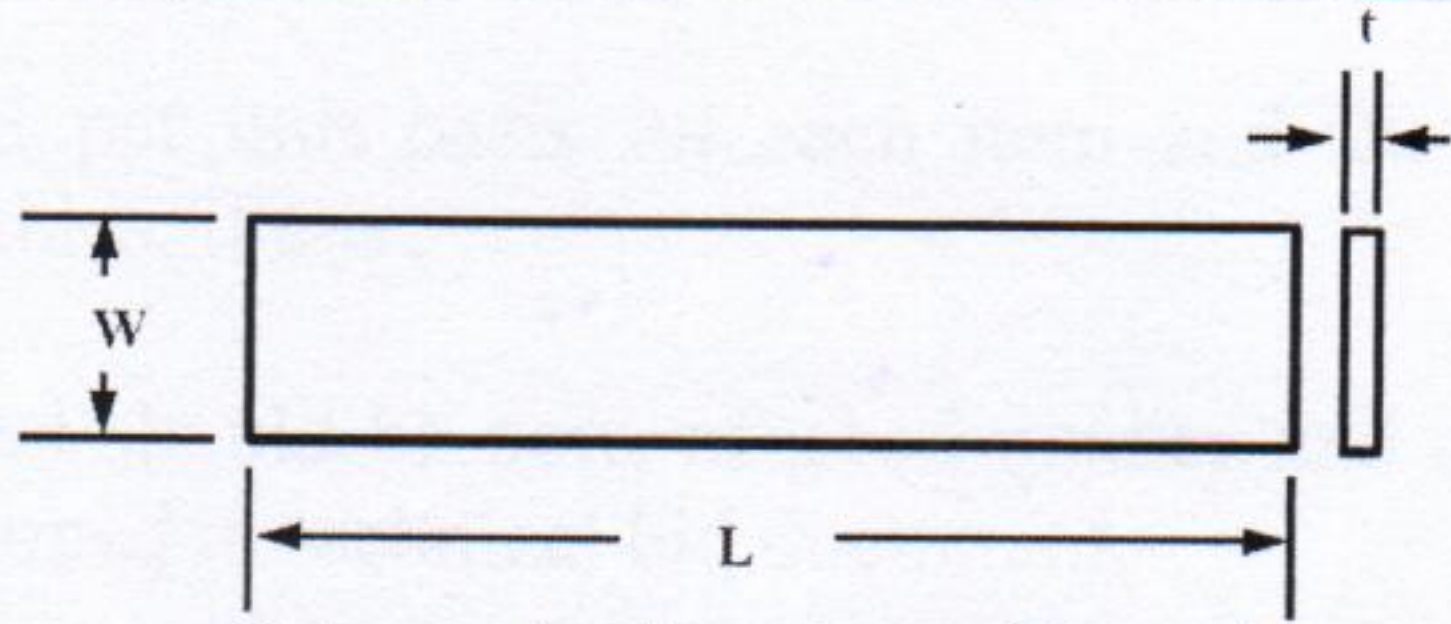
January 13, 2020

Enquiry No.: **01/AE&AM/KB/CPDA/IESTS/2019-20**

Notice Inviting Quotations

Quotations are invited for testing of the following test samples as per mentioned specifications under CPDA Account of **Prof. Krishnendu Bhowmik**, Assistant Professor, Department of Aerospace Engineering and Applied Mechanics (**approval order no. 6077/D(FW)/19 dated 11th July 2019**). The sealed quotations should be addressed to the Head of the Department indicating enquiry number with date on the top of the envelope.

The quotation should include all kind of taxes/duties and delivery charges of the item to the Office of the Department of Aerospace Engineering and Applied Mechanics, IEST Shibpur.

Sl. No.	Description/Specification of Items/Works
	 <p><i>Schematic diagram of Samples</i></p>
1.	Tensile Tests: (Room Temperature): No: 50 (Approx) L=150 mm, W=25 mm, t=varying from 0.4 mm to 2.50 mm Tensile tests standard: ASTM D 3039 for carbon fibre-epoxy composites / carbon fibre-CNT-epoxy composites
2.	Tensile Tests: (With different Temperatures: 50°C to 500°C): No: 50 (Approx) L=150 mm, W=25 mm, t=varying from 0.4 mm to 2.50 mm- Tensile tests standard: ASTM D 3039 for carbon fibre-epoxy composites / carbon fibre-CNT-epoxy composites
3.	Optical Microscopy of failed samples with Differential Interference Contrast (DIC) Imaging Capability for Fracture surfaces, failure modes; Duration: 40 hrs (Approx)
4.	FESEM: Microstructure, distribution of CNT, and carbon fiber in nanocomposite; Duration: 50 hrs (Approx)

**Department of Aerospace Engineering and Applied Mechanics
Indian Institute of Engineering Science and Technology, Shibpur,
B. Garden, Howrah - 711 103, West Bengal, India**

SECTION I: TERMS & CONDITIONS AND IMPORTANT INSTRUCTIONS FOR BIDDERS

1. Last date of submission of sealed quotation is 4:00 PM on 22th January, 2020 and tenders will be opened at 5:00 PM on 22th January, 2020 in the office of the Department of Aerospace Engineering and Applied Mechanics, IEST Shibpur.

2. Bidders are to submit the quotations in Sealed Cover at the following address:

**Dr. Amit Roy Chowdhury
Professor and Head, Dept. of Aerospace Engineering and Applied Mechanics,
Indian Institute of Engineering Science and Technology (IEST)-Shibpur
P.O.- Botanic Garden, Howrah- 711 103, West Bengal, India**

3. Bid requirements

a) All the items mentioned in **Sl. No. 1, 2, 3 and 4** must be quoted by the bidder. If any of the items are not quoted, the bid will not be considered.

b) Rate to be quoted in INR per unit basis for each item and should be inclusive of all charges, taxes, and other payables, if any.

c) All the items to be supplied should be new, of good quality and standard and as per the technical specifications mentioned in technical bid document.

d) Bidders are required to submit self-attested photocopies of valid **Trade-License, PAN Card, latest IT-Return and GST-Registration**.

e) For bids submitted by post or courier, it is bidder's responsibility that bids reach the purchaser's office before the scheduled time of closure of submission of bids. The tenders submitted by telex/telegrams/fax/email will not be considered. No further correspondence will be entertained on this matter.

f) Delivery of all the consumables should be made within two weeks from the receipt of the purchase order.

4. Bills in triplicate should be presented for payment within 7 days of Supply of the consumables. **No Advance Payment can be made.** All bills are to be accompanied by Order copies and Challan Receipt. The Order Number is to be noted on both the Challan and the Bill.

5. Institute may provide a certificate to a supplier at the time of supply on demand by the supplier to get the concessional GST rate as indicated below for the above item for research purpose. Concessional GST rates for such items are as below:

- The rate of IGST shall be 5% in case of import and interstate purchases.
- The rate of CGST shall be 2.5% along with SGST 2.5% in case of purchases within state.


Professor & Head
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and Applied Mechanics
Indian Institute of Engineering
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Howrah - 711 103, INDIA

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6. Indian Institute of Engineering Science and Technology (IEST), Shibpur, Howrah reserves the right to accept / reject all or any of the tenders without assigning any reason whatsoever. Indian Institute of Engineering Science and Technology would not be under any obligation to give any clarifications to those vendors whose tenders have been rejected.

We accept the above terms and conditions.

Dated:

Signature of Bidders/Suppliers

With date & Seal



(Dr. Amit Roy Chowdhury)

Professor and Head

Dept. of Aerospace Engineering and Applied Mechanics,
IEST, Shibpur

Professor & Head

Department of Aerospace Engineering
and Applied Mechanics
Indian Institute of Engineering
Science and Technology, Shibpur
Howrah - 711 103, INDIA

