



University Institute of Chemical Engineering and Technology, Punjab
University, Chandigarh, Dr. S. S. Bhatnagar University Institute of Chemical
Engineering & Technology, Panjab University, Chandigarh-160014

INVITATION LETTER

Ref. No. Dr.SSBUI CET/TEQIP-III/2019/484

Package Code: TEQIP-III/2019/CD/uict/357

Current Date: 19-Nov-2019

**Package Name: Computerized Universal Testing Machine
(2KN Capacity)**

Method: Shopping Goods

Sub: INVITATION LETTER for purchase of Computerized Universal Testing Machine of 2kN capacity with suitable sets of grips for multiple testing applications including tensile, compressive, fatigue and fracture toughness.

Dear Sir/Madam,

You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at **Annexure 1**,

Sr. No	Item Name	Quantity	Delivery Period (in days)	Place of Delivery	Installation Requirement (if any)
1	Computerized Universal Testing Machine-UTM	1	45	Dr. SSBUI CET, Panjab University, Chandigarh	Yes, onsite installation is required.

- 1. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the purchase for which this invitation for quotations is issued.**
- 2. Quotation: -Should be submitted under two bid system (Technical and Financial Bid).**

The Technical bid envelop will contain following documents.

- Make and Model offered, its features and complete specifications
- Universities/Institutes to whom this equipment has been supplied in last two years ending March 31, 2019 and name of the contact persons along with their phone no's
- The turnover of the company /firms for the last three years ending March 31, 2019.
- Name of your Principal supplier/ Manufacturer.

Note: Price should not be indicated in the Technical bid otherwise the bid will be rejected.

3. Financial bid envelop will contain financial bid on one prescribed Performa Annexure-2

- i. **Both sealed envelopes of Technical and financial bid** may be sealed in one bigger Envelop and sent to **Project Head TEQIP-III, Dr. SSBUI CET, Panjab University, Chandigarh** on or before due date and time.
- ii. The **Technical bid will be opened first** and after evaluating the same according to our requirement and desired documents, price bid will be opened for those who qualify technically.

4. Terms and Conditions

- a. The contract shall be for the full quantity as described above.
- b. Corrections, if any, in specifications for matter offered and rates & terms and conditions shall be made by crossing out, initialing, dating and re-writing.
- c. All duties and other levies payable by the supplier under the contract shall be included in the unit price.
- d. Applicable taxes shall be quoted separately for all items.
- e. The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- f. The Prices should be quoted in Indian Rupees only.**
- g. Each bidder shall submit only one quotation.
- h. Quotation shall remain valid for a **period not less than 4 months** after the last date of quotation submission.
- i. Conditional and unsigned quotation will not be accepted.
- j. CMC (Comprehensive Maintenance Contract) for the equipment should be quoted separately for 2 years.
- k. The Tenderer must ensure that the equipment being offered is a new one and not refurbished or repaired one.
- l. If any of the equipment supplied by the Tenderer is found to be substandard/ refurbished or not in accordance with the description /specification or otherwise faulty, the institute has the right to reject the equipment or its part(s). The prices of such equipment shall be refunded by the vendor with 18% interest if such payments for such equipment has already been made to him.
- m. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from the TEQIP office at the cost and risk of supplier including all other charges.

- n. In case of any loss/damage to equipment and supplies during the transportation from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. Dr. SSBUI CET will not be liable to any type of losses in any form.
- o. The offering firm should clearly mention whether they are the manufacturer or authorized agent/dealer of the manufacturer.
- p. The Tenderer should mention in the *Technical bid* the response time for attending to a complaint about the equipment by TEQIP office.
- q. **Price should be F.O.R. for Dr. SSBUI CET, Panjab University, Chandigarh and should include all freight charges, postage, packing, cartage duties etc.**
- r. Any other accessory required for smooth working of Computerized Universal Testing Machine should be provided.

5. Evaluation of Quotations

The Project Head, TEQIP-III will evaluate and compare the quotations determined to be substantially responsive and technically acceptable.

- a. are properly signed ; and
- b. Confirm to the terms and conditions, and specifications.

6. The Quotations would be evaluated for all items together.

Award of contract:

The Project Head TEQIP-III will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- a. Notwithstanding the above, the Project Head, TEQIP-III, Dr. SSBUI CET, Panjab University reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- b. The bidder whose bid is accepted will be notified of the award of contract by the Head TEQIP-III, Dr. SSBUI CET, Panjab University, prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

7. Payment shall be made in Indian Rupees as follows:

Delivery and Installation - 90% of total cost

Satisfactory Acceptance - 10% of total cost

- 8. All supplied items are under warranty of **2** Years from the date of successful acceptance of items.

9. You are requested to provide your offer latest **on or before 11th December, 2019 by 04:00 PM.**
10. Detailed specifications of the items are at **Annexure 1.**

11. Training Clause (if any)

Yes, onsite training is required, *free of cost.*

12. **Testing/Installation Clause (if any):** The equipment and software should be installed and tested to the specifications *free of cost.*
13. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for in Technical Bid. A set of User's manuals and Service manuals of the main instrument, attachments etc. should be supplied with the equipment.
14. Sealed quotation to be submitted/ delivered at the address mentioned below,

TEQIP CELL,

**2nd Floor, Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology,
Panjab University, Chandigarh-160014**

15. Tenders received after the due date will not be accepted. If the last date for submission of Tender falls on any declared holiday in the University, the next working day will be considered as the last date for the same.
16. Telegraphic/electronic/conditional offers will not be accepted.
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

Annexure 1

Technical Specifications of Computerized Universal Testing Machine of 2kN capacity

A electromechanical universal testing machine of 2kN capacity with suitable sets of grips for multiple testing applications including tensile, compressive, fatigue and fracture toughness.

Technical Feature	Detail specifications
Force Rating	2kN
Force Measuring Device Type	Strain gage based load cell
Testing Speed Range	0.01 mm/min to 200 mm/min or better
Speed Accuracy	$< \pm 1\%$ of set test speed
No. of Load Cells	4
Capacity of Load Cells	20 N (Resolution 0.01 N) 200 N(Resolution 0.1 N) 1000 N(Resolution 1 N) 2000 N(Resolution 1 N)
Measurement Accuracy	$\pm 1\%$ of indicated value for each load cell capacity
Vertical Clearance (without grips and load cells)	≥ 800 mm
Displacement Resolution	0.01 mm
Displacement Measurement Accuracy	$\leq \pm 1\%$ of indicated value
Power requirement	220V, 15 A Single Phase Supply
Latest multichannel digital servo control, branded PC (HP), Laser Printer and UPS : Latest configuration of i7 processor with 16 GB RAM (min.), 1TB HDD, Windows 10 Original, 21" LED Monitor or better, Laser Jet printer, compatible branded online UPS with minimum 1 hour backup, Statistical Analysis Software: dedicated software for separate applications-tensile, compression, fatigue etc, digital I/O with load, strain control facilities with basic software package and large system cables, provision to accommodate wide variety of grips for testing of different type of samples.	

Accessories

- Electromechanical/Pneumatic Grips for tests on polymer films, ceramic cylindrical beads, soft elastomer, fibers suitable for attachment upto 2kN load cells
- Base plate with LVDT and/or other instrument mounting facility.
- Flexural attachment fixtures for 3 and 4 point bending tests.
- Suitable compression test platens for specimens of size 5mm-30 mm dia
- Strain gauge extensometers of 50 mm gauge length.

Annexure 2

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To: _____

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex-Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (In INR only) (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B) (In INR): Rs. _____

- i. We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.
- ii. We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.
- iii. We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No. _____