

Delhi Technological University, NCT Delhi, Delhi Technological University  
(Formerly Delhi College of Engineering) Bawana Road, Delhi-110 042

## INVITATION LETTER

Package Code: TEQIP-III/2019/DL/dtud/22

Current Date: 02-Jun-2019

Package Name: DTU/TEQIP-III/MED-03

Method: Shopping Goods

To,

**Sub: INVITATION LETTER FOR DTU/TEQIP-III/MED-03**

Dear Sir,

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

Sr. No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Micro Hardness Testing Machine	1	Department of Mechanical Engineering Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi-110042, India.	Successful installation, upto the satisfaction of intender

- 2 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 contract for which this invitation for quotations is issued.

### 3. Quotation

- 3.1 The contract shall be for the full quantity as described above.
- 3.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
- 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.
- 3.4 Applicable taxes shall be quoted separately for all items.

3.5 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.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than **180** days after the last date of quotation submission.

6. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which

6.1 are properly signed; and

6.2 Confirm to the terms and conditions and specifications.

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

- Quotation will be compared on the basis of quoted price (Total Cost including all taxes) for goods at its final destination.
- Past performance & experience may be furnished to consider the credential of the bidder.
- University enjoyed concessional rates for Custom duties, GST, etc. which may be considered at the time of submitting the quotation.

8. Award of contract The Purchaser 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.

8.1 Notwithstanding the above, the Purchaser 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.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be Incorporated in the purchase order.

9. Delivery:

Delivery of items must be within 90 days from the date of award of contract.

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

Satisfactory Delivery & Installation – 10% of total cost

Satisfactory acceptance - 90% of total cost

The Vendor must provide the following details (a) PAN (b) TAN (C) GSTIN (d) TIN

(e) Mobile Number (f) Contact Person (g) Email address

11. Liquidated Damages will be applied as per the below:

Liquidated Damages Per Day Min % : 0

Liquidated Damages Max % : 0

12. All supplied items are under normal commercial warranty/guarantee not less than 12 month from the date of successful acceptance of items, unless specified of warranty for longer duration in the specification.

13. Rate of AMC may be furnished separately, which will be applicable after at the normal commercial warranty period.

14. You are requested to provide your offer latest by 15:00 hours on 17-Jun-2019.

15. Detail specifications of the items are at Annexure I.

16. Training Clause (if any) Successful training to staff and faculty

17. Testing/Installation Clause (if any) Successful installation, upto the satisfaction of the intender

18. Performance Security shall be applicable: **10%**

**19. Submission of video footage of the successful installation and testing along with Model No. & SL. No. is preferred.**

20. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

21. Sealed quotation to be dropped in a sealed quotation box placed at the address mentioned below,

**TEQIP-III office, Room No: LW6SF-5 , 2<sup>nd</sup> floor of Mechanical Department,  
Delhi Technological University (Formerly Delhi College of Engineering)  
Bawana Road, Delhi-110 042**

**22. Quotation will be opened by the designated committee on 17.6.19 at**

**16.00 at the address mentioned below,**

**TEQIP-III office, Room No: LW6SF-5, 2<sup>nd</sup> floor of Mechanical Department,  
Delhi Technological University (Formerly Delhi College of Engineering)  
Bawana Road, Delhi-110 042**

- 23.** We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

**Annexure I**

Sr. No	Item Name	Specifications
1	Micro Hardness Testing Machine	<p>Standard Objective Lens Machine should have facility for Vickers Indenter and Knoop indenter with Objective lens 10x, 20x and 40x/50x or better.</p> <p>Micrometer The unit should have 2 Micrometer Head – Manual with least count of 0.01 mm or less preferred.</p> <p>Turret Positions Machine should be supplied with Motorized turret with 6 positions out of which 2 for indenter positions and 4 objective positions. Machine should be able to carry two indenters at the same time.</p> <p>XY stage XY Stage should have the size of approx 100mm x 100mm, Stroke <math>\pm 12.5</math>mm or better, Sample height max 100mm or better.</p> <p>External output Unit should have it's own exclusive software for connectivity with External output and with complete data acquisition system</p> <p>Printer connectivity Unit should be compatible with various Printers Dot printer, thermal printer, laser printer</p> <p>Test force Load in the range 10gmf to 2 kgf or better with 4 arbitrary settings.</p> <p>Statistical Calculations Average, standard deviation, coefficient of variation, maximum value, minimum value, conversion value (HK,HBW,HS,MPa,HRA,HRB.HRC,HRD,HR15N,HR30N,HR45N)</p> <p>Graphical display and Displayed Items Software should show length of diagonals, hardness value, converted value, test force, online statistics, automatic &amp; manual measurement, automatic illumination adjustments, indent zoom, built-in library of methods, program &amp; data storage, data output in pdf, images, .xml or .csv format, onscreen report, statistics etc.</p> <p>Data Point Should have data point 5000 or better</p> <p>Indentation Reading System Detection by digital image analysis and CCD camera.</p> <p>Manual setting method for line length measurement on the PC display.</p> <p>Manual and Automatic setting method for line length measurement on the PC display. Facility for Auto Brightness, Auto Contrast, Auto Sharpness, Auto Focus, Automatic indent measurement system should be available.</p> <p>PC and Printer The unit should be supplied with a dedicated PC with 80 GB Hard Disk or better, 15.0" Colour Display, 2 to 4 GB RAM with Windows 8 and Colour Printer inktank or better or acquisition system integrated with the machine.</p> <p>Display Resolution 0.01HV, HK or better</p> <p>Accessories • Precision vise with locking arrangement.</p> <ul style="list-style-type: none"> <li>• Installation &amp; user manual</li> <li>• Certified Vickers indenter – 1no.</li> <li>• Certified Knoop indenter – 1no.</li> </ul>

	<ul style="list-style-type: none"><li>· Standard certified Vickers test block - 1no.</li><li>· Standard certified Knoop test block - 1no.</li></ul> <p>Load in the range 10 gmf to 2 kgf or better with 4 arbitrary settings.</p> <p><b>After Sales</b>      The firm shall provide one year warranty for satisfactory performance of the machine after commissioning. Vendor should also quote for AMC for 3 years as option item.</p> <p><b>Supplier</b>          The supplier must demonstrate that it has a proven appropriate setup and ability to provide after sales service facility efficiently and effectively.</p> <p><b>Training</b>          The firm shall provide training to our Testing personnel for satisfactory operation of machine, after duly commissioning.</p>
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**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 (A)	Sales tax and other taxes payable	
						In %	In figures (B)
<b>Total Cost</b>							

Gross Total Cost (A+B): Rs. \_\_\_\_\_

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.

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.

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. \_\_\_\_\_