

## INVITATION FOR QUOTATION

TEQIP-II/2017/UK2G01/Shopping/138

01-Mar-2017

To,

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### **Sub: Invitation for Quotations for supply of Goods**

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.

<b>Sr. No</b>	<b>Brief Description</b>	<b>Quantity</b>	<b>Delivery Period(In days)</b>	<b>Place of Delivery</b>	<b>Installation Requirement (if any)</b>
1	Instrumented Hardness Tester	1	60	Dean College of Technology G B Pant University of Ag & Technology Pantnagar-263145	NIL

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 II** 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, initialing, 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/supplier shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **55** 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.
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. Payment shall be made in Indian Rupees as follows:  
**Satisfactory Delivery, Installation and Acceptance - 100% of total cost**
10. All supplied items are under warranty of **36** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **15:30** hours on **16-Mar-2017**.
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **onsite training free of cost**
14. Testing/Installation Clause (if any) **Satisfactory Installation and demonstration.**

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

16.Sealed quotation to be submitted/ delivered at the address mentioned below and clearly written on the top of the envelope “Quotations under TEQIP-II” :

**Dean  
College of Technology,  
G.B. Pant University of Agriculture & Technology,  
Pantnagar – 263 145 (Uttarakhand)**

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

(Authorized Signatory)  
Nodal Officer (Procurement)  
TEQIP-II, College of Technology  
GBPUAT, Pantnagar

Annexure I

Sr. No	Item Name	Specifications
1	Instrumented Hardness Tester	<ol style="list-style-type: none"> <li>1 GENERAL The Instrumented hardness tester should be capable of testing work pieces of wide varieties with the application of force ranging from 2N or less to 200N or higher. The hardness tester must have the following features: Fully CE compliant.</li> <li>2 TECHNICAL SPECIFICATION</li> <li>3 Hardness scales&amp; Indenters Vickers, Knoop, Instrumented indentation methods.</li> <li>4 Test force ion Load is applied by Load cell technology , PC Controlled via software</li> <li>5 Test procedure Automatic, loading/dwell/unloading</li> <li>6 Hardness value To display up to 5 digits or better with software via PC</li> <li>7 System facility System should have option for1 indentors and up to 4 objectives lenses</li> <li>8 Test loads test load ranges : 2N ... 200 N or better</li> <li>9 Display of results of measurement Length of diagonals, hardness values, converted hardness value, test force, online statistics must be displayable, Histogram ,case depth study should also be possible, Indentation Image Storage to File</li> <li>10 Display resolution 0.1 HV, HK or better</li> <li>11 Hardness conversion The results of hardness must be convertible to equivalent values in Rockwell, Rockwell Superficial, Brinell scales or any other scales of hardness</li> <li>12 Standards must confirm to ISO, ASTM</li> <li>13 Results Total test, maximum, minimum, average, range, standard deviation, all in real time after each test, must be displayed instrumented indentation test facility- The force indentation curve together with various loading sequences provide additional information on materials: Plastic and elastic percentages of indentation energy Plastic hardness Indentation modulus Creep behavior Relaxation behavior Martens hardness Cyclic indentation tests with test data for simulating strength values. Multiple curve overlay for direct comparison of series tests • Configuration of user? specific test sequences</li> <li>14 Cross head speed 0.1 ... 50 mm/min or better</li> <li>15 Positioning, repetition accuracy <math>\pm 2 \mu\text{m}</math> or better</li> <li>16 Connectivity to PC RS-232</li> <li>17 Loading mechanism Fully automatic, closed loop, force feedback, loading, dwell, unloading</li> <li>18 Objective lenses objectives: 10X ; 40X/50X; 80X/100X</li> </ol>

		<p>19 Measurement 1) Measuring system must be capable of advanced functionality and the instrument should be capable to automatically measure indentation dimension on LCD screen. Zooming facility should be available</p> <p>20 Light source Automatic, PC controlled LED light illumination Setting to guarantee Light Level Set Automatically</p> <p>21 Optical path CCD Camera / resolution 1/2" Chip / 752 x 582 Pixel or better</p> <p>22 Cross head travel lengths: 350 mm or better</p> <p>23 Stage dimensions Stage: 135mm x 135mm or large, Travel: 25mm x 25mm or better With digital micro meter display</p> <p>24 Optional Feature hardness testing machines can also be used for the classical Rockwell, Vickers and Brinell hardness testing methods on metals and for ball indentation hardness on plastics. They are also suitable for standard compliant testing with the innovative instrumented indentation method (Martens, EN ISO 14577, which is used to determine other material properties in addition to hardness.</p> <p>25 Computer and printer Branded computer configuration with LED monitor (Licensed copies of Window based current/latest Operating System &amp; MS office). Branded Colour laserjet printer for A4 size printing having min. resolution of 600DPI Branded Online 1 kVA UPS of minimum of 30 minutes power back up</p>
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**FORMAT FOR QUOTATION SUBMISSION**  
(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To:

**Dean**  
**College of Technology**  
**G.B. Pant University of Agriculture & Technology**  
**Pantnagar - 263145 (Uttarakhand)**

S. No.	Description of Item (Full specifications including Manufacturer, Country of Origin and Model No.)	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) [FOR, Pantnagar]	No. of Units	Total Price (A)	*Sales Tax and other Taxes Payable		Gross Total Cost (A + B)
					In %	in Figure (B)	

*\*mandatory to be mentioned*

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 : \_\_\_\_\_  
Seal : \_\_\_\_\_