



**National Institute of Technology, Meghalaya**  
**Bijni Complex, Laitumkhrah, Shillong 793003**

**INVITATION LETTER**

**Ref No.: TEQIP III/2019/NITMGH/Shopping/133**

**Date: 29.03.2019**

**Package Code: TEQIP-III/2019/null/nimt/73**

**Current Date: 29-Mar-2019**

**Package Name: NITMGH/TEQIP III/CE/017**

**Method: Shopping Goods**

To,

**Sub: INVITATION LETTER FOR NITMGH/TEQIP III/CE/017 (Hydraulic Jack with Load Cell and Accessories)**

Dear Sir,

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>Item Name</b>	<b>Quantity</b>	<b>Place of Delivery</b>	<b>Installation Requirement (if any)</b>
1	Hydraulic Jack with Load Cell and Accessories – 1 unit	1	National Institute of Technology Meghalaya, Bijni Complex, Laitumkhrah Shillong 793003	as applicable

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 contract for which this invitation for quotations is issued.

**2. Quotation**

2.1 The contract shall be for the full quantity as described above.

2.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.

2.3 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.

2.4 Applicable taxes shall be quoted separately for all items.

2.5 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.

2.6 The Prices should be quoted in Indian Rupees only.

3. Each bidder shall submit only one quotation.

4. Quotation shall remain valid for a period not less than **45** days after the last date of quotation submission.
5. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which
  - 5.1 are properly signed; and
  - 5.2 Confirm to the terms and conditions, and specifications.
6. The Quotations would be evaluated for all items together.
7. 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.
  - 7.1 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.
  - 7.2 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.
8. Payment shall be made in Indian Rupees as follows:
  - Satisfactory Delivery & Installation - 10% of total cost**
  - Satisfactory Acceptance - 90% of total cost**
9. Liquidated Damages will be applied as per the below:
  - Liquidated Damages Per Day Min % : 0
  - Liquidated Damages Max % : 10
10. All supplied items are under warranty of **24** months from the date of successful acceptance of items and AMC/Others is **As applicable**.
11. You are requested to provide your offer latest by **14:00** hours on **12-Apr-2019**.
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Yes**
14. Testing/Installation Clause (if any) **Yes**
15. Performance Security shall be applicable: **0%**
16. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
17. Sealed quotation to be submitted/ delivered at the address mentioned below, **National**

**Institute of Technology, Meghalaya, Bijni Complex, Laitumkrah, Shillong 793003**

18. For authenticity/genuineness of the quoted product, the firm should be a reputable, well established and suppliers of the goods or services as part of their normal business.
19. **Technical Presentation:** If necessary then the authority may ask the technically qualified bidders to give full presentation or live demonstration of the Quoted equipment at NIT Meghalaya before finalization of the tender as a support of their specification.
20. **Dealership Certificate:** The bidder/tenderer should be either a manufacturer or authorized dealer of the foreign/Indian manufacturer. Dealers or Agents quoting on behalf of Manufacturer must enclose valid dealership certificate.
21. We look forward to receiving your quotation and thank you for your interest in this project.



Coordinator (i/c)  
TEQIP-III  
Meghalaya

(Authorized Signatory) National Institute of Technology  
Name & Designation Meghalaya

**Annexure I**

Sr. No	Item Name	Specifications
1	Hydraulic Jack with Load Cell and Accessories – 1 unit	<p><b>Specifications:</b></p> <p>(I) <b>Motorized Hydraulic Jack and accessories including attachment</b></p> <p>a) Spring Retraction type motorized Hydraulic Jack with hydraulic power pack Double Acting type Piston Stroke Length: 100 mm Applying Force 200 KN</p> <p><b>Power Pack Details:</b> Capacity of the tank: 35 ltrs Capacity of the motor: 2 H.P. Single Phase supply Operating Pressure of the power pack: 400 Bars Oil Flow: 1.6 LPM for Pressure and 3.8 LPM for Fast Lift</p> <p>b) Along-with Two numbers attached LVDT with +/- 75 mm to monitor travelling of Piston during Test time Resolution Infinite Displacement speed <math>\leq 10</math> m/s Displacement force <math>\leq 4</math> N Life <math>&gt;25 \times 10^6</math> strokes, or 100 x 10<sup>6</sup> operations, whichever is less (within C.E.U.) Vibrations 5...2000Hz, Amax = 0,75 mm amax. = 20 g Shock 50 g, 11ms. Tolerance on resistance <math>\pm 20\%</math> Current <math>&lt; 0,1</math> mA Maximum cursor current 10mA Electrical isolation <math>&gt;100M\Omega</math> a 500V=, 1bar, 2s Dielectric strength <math>&lt; 100</math> mA a 500V~, 50Hz, 2s, 1bar.</p>

c) 200 kN Universal Load Cell  
Output: 0 to 10 VDC, Maximum to 15 VDC  
IP Rating: IP 65  
Construction: Stainless Steel  
Safe Overload: 150%

d) Lead wire based Foil Type Strain Gauge  
5 mm or 10 mm Grid Size,  
Resistance: 120 Ohm  
Including Adhesive and surface cleaning agent

**(II) Load cell Pan Cake Type Compression only with attachment & accessories  
(Load Range 100 kN, 150 kN and 200 kN)**

Load Cell Pan Cake Type Compression Only Load Cell  
Load Range: 100 kN, 150kN and 200 kN  
Voltage Output: 0 to 10 VDC  
With 5 meter cable  
Power 230 VAC main operated

**(III) 16 Channel Data Logger compatible with LVDTs, Load Cells and Strain Gauge**

Microprocessor based (AI 8000+) and computer compatible Multipoint Data Acquisition and Control System used for measurement and control. It should be used successfully in measurement from multiple analogue sensors and inputs, pulse train input and digital inputs and control through digital and analogue outputs.

**Features:**

DC Voltage Signal, 4 to 20 mA from Transmitters, LVDTs etc  
Totally Modular Construction, free from internal wiring for increased reliability and serviceability  
PC Based Data Acquisition and control  
Compatible with AI 8000 + Software

**(IV) Hand Operated Hydraulic jack (Load range 200 kN) with attachment and accessories**

Hydraulic Jack hand operated remote type. The jack shall supply completely with manually operated pumping units fitted with bourdon tube type load gauge, high pressure flexible hose pipe and shall be provided with retraction springs.

*Additional Technical Data:*

1. Maximum range of piston stroke: 150 mm
2. Pressure gauge and capacity of 200 kN
3. High pressure flexible hose pipe: 5.0 meter long.

**(V) Displacement Transducer with attachment and accessories (Range 10mm, 50mm, 100 mm, 150mm)**

Resolution: Infinite  
Displacement Speed :< 10 m/s  
Shock: 50 g , 11ms  
Tolerance on resistance: +/- 20%  
Resistance: 5 Kohm

**(VI) Strain Gauge Foil Type (120 Ohm Resistance)**

Strain Gauge Foil Type consisted of 10 Nos. strain gauge in one packet with all pasting kits  
120 Ohm Resistance  
Grid Length 10 mm  
Gauge Factor 2.0  
With surface Cleaning Agent

**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. \_\_\_\_\_