



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

INVITATION LETTER

Ref No.: TEQIP III/2019/NITMGH/Shopping/164

Date: 17-Jun-2019

Package Code: TEQIP-III/2019/nimt/85

Current Date: 17-Jun-2019

Package Name: NITMGH/TEQIP III/EE/012 (Digital Storage Oscilloscope cum Recorder with GPS interface)

Method: Shopping Goods

To,

Sub: INVITATION LETTER FOR NITMGH/TEQIP III/EE/012 (Digital Storage Oscilloscope cum Recorder with GPS interface)

Dear Sir,

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	Digital Storage Oscilloscope cum Recorder with GPS interface	1	National Institute of Technology Meghalaya, Bijni Complex, Laitumkrah, Shillong - 793003	Yes

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.

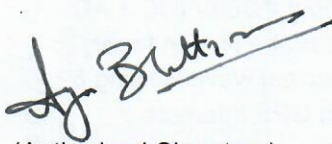
2.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.

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 % :N/A
Liquidated Damages Max % : N/A
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 **02:00** hours on **02-Jul-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.



(Authorized Signatory)

Name & Designation **National Institute of Technology
Meghalaya**

**Coordinator
TEQIP-III**

Annexure I

Sr. No	Item Name	Specifications
1	Digital Storage Oscilloscope cum Recorder with GPS interface	<ol style="list-style-type: none"> 1. Portable type Multi channel oscillo graphic recorder (Digital Storage Scope with Recorder) suitable for displaying, recording and simultaneous capturing of high speed Signals /waveforms such as voltage, current and playing them back with ease of operation. 2. Real time display, recording, memory play back, logging, analysis with the help of software on PC. 3. Plug in type amplifier modules: Shall be available in unit as per requirement 4. Instrument functions: a. Dual Zooming of wave forms, b. Dual Capture with advance Trigger functions, c. USB interface with PC, d. Trigger search of waveforms in memory, e. History memory display, f. Waveform judgment function, g. Recorder and memory function, h. Calculation, j. SD card slot & USB memory, k. Real time hard disk recording

5. **Unit Specifications**

- 5.1. Measurement function: Recorder, Memory recorder, logging,
- 5.2. Input units: Plug-in type, inputs isolated from each other
- 5.3. No. of Channels: 8 (Can be expandable upto 16 Channel),
- 5.4. Power supply: 230 volt $\pm 10\%$, 50 Hz $\pm 5\%$. Single phase
- 5.5. PC Interface: USB and Ethernet,
- 5.6. Operating environment: 5 to 40 deg C, 30 to 80% RH (non-cond)
- 5.7. 10MS/s input module with 10M points memory length,
- 5.8. Alternative File storage: Hard disk drive 500GB
- 5.9. Math. Functions: Basic arithmetic(+, -, x, /), FFT (power spectrum)

6. **Recording and display**

- 6.1. Display screen: 10.4" inch display,
- 6.2. Trigger function

7. Wave form measurement and analysis functions,

- 7.1. Pre-trigger viewing facility: shall be available,
- 7.2. Play back from memory as desired: shall be available
- 7.3. Wave form measurement: Two vertical & horizontal cursors required,
- 7.4. Maximum no. of measured parameters: at least 20

8. Software

- 8.1. Functions: simultaneous display of wave forms, display of format settings, scroll & zoom functions to view the wave forms captured on PC.
- 8.2. Operating environment: Windows 7 or windows based latest operating system,
- 8.3. Data export facility in MS Excel format available

9. Plug-in inputs

- 9.1. Analog Voltage unit, C. Max. Allowable input # 600V (DC + AC Peak.),
- 9.2. Current unit: It shall have current probe plug-in facility to accept voltage input from current clamp for current wave viewing & recording & storing, Bandwidth: DC to 3 MHz, GPS Interface

10. Advanced Power Supply Analysis functions:

- Measurement Items RMS Measurement mode: 1 to 40 order RMS, 1 to 40 order RMS distortion factor, 1 to 40 order phase difference, Total RMS, Distortion Factor (IEC), Distortion Factor (CSA) Power Measurement mode: 1 to 35 order active power, 1 to 35 order active power distortion factor, 1 to 35 order phase difference, Total active power, Total Apparent power, Total Reactive power, Power factor, 1st order RMS voltage, 1st order RMS current, 1st order voltage phase difference, 1st order voltage phase difference

11. Standard Accessories:

- Software for post storage Analysis in Computer, Connection cords, Isolated voltage probes-4 nos., AC Current probe of 50 A -4 Nos. DC Current probe of DC to 50 Mhz and 30 A- 1 No.

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)
Total Cost							

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. _____