

INVITATION FOR QUOTATION

TEQIP-III/2019/NITMGH/Shopping/104

02-Jan-2019

Sub: Invitation for Quotations for supply of Goods in Mechanical Department NIT Meghalaya

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	Brief Description	Quantity	Delivery Period (In days)	Place of Delivery	Installation Requirement (if any)
1	Ultrasonic Flaw Detector with Phased Array Capability	1	15	National Institute of Technology Meghalaya, Bijni Complex, Laitumkhrah 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, initialing, 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:

Delivery and Installation - 90% of total cost

Satisfactory Acceptance - 10% of total cost

9. All supplied items are under warranty of **24** months from the date of successful acceptance of items.

10. You are requested to provide your offer latest by **3:00** hours on **16-Jan-2019** .

11. Detailed specifications of the items are at Annexure I.

12. Training Clause (if any) **Yes**

13. Testing/Installation Clause (if any) **Yes**
14. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
15. Sealed quotation to be submitted/ delivered at the address mentioned below,
Bijni Complex, Laitumkhrah, Shillong 793003
16. We look forward to receiving your quotation and thank you for your interest in this project.
17. **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 tenders as a support of their specification.


 (Authorized Signatory)
 Name & Designation
 Coordinator
 TEQIP-III
 National Institute of Technology
 Meghalaya

Annexure I

Sl	Details Technical Specification																						
01.	<p>Ultrasonic Flaw Detector with Phased Array Capability</p> <p>General Requirements: Data storage— 16 GB SDHC card or most standard USB storage device Weight : Less than 3.5 Kgs with battery Overall Dimensions : 10.5 x 8.1 x 3.6 inch Operation: By TOUCH SCREEN and USB Mouse. KIT Includes: AC Adapter, battery ,carrying case, SD card, USB flash drive, 2x Anti-Glare screen protectors, Hardware user's manual, USB Key including equipment software user's manuals. Test Modes: Pulse Echo, Time of Flight Diffraction, Through Transmission and Phased Array</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Pulsers</td> </tr> <tr> <td style="width: 30%;">Configuration</td> <td>16:64 (16 pulser/receivers; driving up to 64 elements) Automatic probe recognition 2 UT connectors : Lemo 00</td> </tr> <tr> <td>Test Mode</td> <td>Pulse-Echo and Transmit/Receive</td> </tr> <tr> <td>Pulse Voltage</td> <td>Phased Array Channel :40V , 80V and 115V selectable UT Channel : 95V, 175V, 340V</td> </tr> <tr> <td>Pulse Shape</td> <td>Negative Square wave</td> </tr> <tr> <td>Pulse Width</td> <td>Adjustable 30 ns to 500 ns of 2.5 resolution</td> </tr> <tr> <td>Number of focal laws</td> <td>256</td> </tr> <tr> <td>Output impedance</td> <td>35 ohms in pulse echo mode and 30 ohms in Pitch catch mode</td> </tr> <tr> <td colspan="2">Receivers</td> </tr> <tr> <td>Gain range</td> <td>Phased Array Channel: 0-80 dB UT Channel : 0-120dB</td> </tr> <tr> <td>Input Impedance</td> <td>60 ohms in pulse echo mode and 150 ohms in Pitch catch mode</td> </tr> </table>	Pulsers		Configuration	16:64 (16 pulser/receivers; driving up to 64 elements) Automatic probe recognition 2 UT connectors : Lemo 00	Test Mode	Pulse-Echo and Transmit/Receive	Pulse Voltage	Phased Array Channel : 40V , 80V and 115V selectable UT Channel : 95V, 175V, 340V	Pulse Shape	Negative Square wave	Pulse Width	Adjustable 30 ns to 500 ns of 2.5 resolution	Number of focal laws	256	Output impedance	35 ohms in pulse echo mode and 30 ohms in Pitch catch mode	Receivers		Gain range	Phased Array Channel: 0-80 dB UT Channel : 0-120dB	Input Impedance	60 ohms in pulse echo mode and 150 ohms in Pitch catch mode
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	Bandwidth	600 KHz-18MHz
	Data Acquisition	
	Digitizing frequency	400 MHz (12 bits) after interpolation per 5/4
	Digitizer Resolution	12 bits
	Max PRF	6 KHz or better
	Beam Forming	A-Scan, B-Scan, C-Scan, S-Scan, Ray Tracing and TOFD
	Scan	
	Scan type	Sectorial, Linear and Compound
	Display	
	Size and resolution	8.4 inch diagonal 800 x 600 pixels
	Display type	TFT color LCD TOUCH SCREEN
	Encoder	2 axis encoder line
	Batteries and Power Supply	Li-ion rechargeable battery with minimum 6 Hours operation
	Temperature range	Operating temperature to be -10°C to 45°C
	Warranty	Minimum 1 Year
	IP Rating	Designed to meet IP 66 requirement
	Shock proof rating	Drop tested according to MIL-STD-810G 516.6
	Data Processing	
	No. of data points	Up to 8192
	Real time averaging	PA 2 ,4 , 8 ,16
	Rectifier	RF, full wave, half wave+ , half wave -
	Filtering	3 low pass, 3 band pass and 5 high pass filters
	TCG	Programmable
	Alarms	No. of points : minimum 16
		Maximum Slope : 40dB/10ns
		No. of alarms : minimum 3 nos (Any logical combinations of gates)
	Specifications for Phased Array Transducer & Wedge:	
	No of elements: 64 with 0.6mm pitch and 10mm elevation	
	Frequency: 5MHz	
	Wedges: 0degree nominal longitudinal and 55degree nominal shear wave	

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: _____