



Institute of Engineering & Technology, Lucknow, Sitapur Road, Lucknow,
Uttar Pradesh - 226021

INVITATION LETTER

IET/TEQIP-III/2019/229-1

Package Code: TEQIP-III/2019/UP/IET/298

Current Date: 11-Jul-2019

Package Name: IET-TEQIP-3-ECD-LAB-15A

Method: Shopping Goods

Sub: INVITATION LETTER FOR IET-TEQIP-3-ECD-LAB-15A

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	DIGITAL STORAGE OSCILLOSCOPE WITH FUNCTION GENERATOR	5	Institute of Engineering and Technology, Lucknow	
2	DIGITAL STORAGE OSCILLOSCOPE 50MHZ	30	Institute of Engineering and Technology, Lucknow	
3	Function Genarator	30	Institute of Engineering and Technology, Lucknow	

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 60 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 - 100% of total cost

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

Liquidated Damages Per Day Min % : 0.50

Liquidated Damages Max % : 10

11. All supplied items are under warranty of 36 months from the date of successful acceptance of items and AMC/Others is .

12. You are requested to provide your offer latest by 05:30 hours on 25-Jul-2019.

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

14. Training Clause (if any) YES

15. Testing/Installation Clause (if any) YES

16. Performance Security shall be applicable: 5%
17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below, **TEQIP-III**
Institute of Engineering & Technology, Lucknow, Sitapur Road, Lucknow, Uttar
Pradesh - 226021
19. We look forward to receiving your quotation and thank you for your interest in this project.



(Authorized Signatory)

Name & Designation
COORDINATOR
TEQIP PHASE-III
Institute of Engineering &
Technology, Lucknow-21

Annexure I

Sr. No	Item Name	Specifications
1	DIGITAL STORAGE OSCILLOSCOPE WITH FUNCTION GENERATOR	Digital Storage Oscilloscope 50MHz, Two-channel, 1GSa/s sample rate, 100Kpts record length, 50000 wfrm/s update rate, Vertical sensitivity - 500 μ V to 10V/Div, with in-built 20 MHz function generator with 20V pp amplitude for Square, pulse, ramp and 12Vpp for sine wave, AM, FM & FSK Modulation feature, >80 dB dynamic range of Frequency Response analysis with Logarithmic overlaid gain and phase plot feature should be available, lab guide, tutorials and content on Oscilloscope fundamentals, Built – in digital voltmeter and frequency counter, Input Impedance- 1 M Ω \pm 2%/16 pF \pm 3 pF, Display size 7 inch or more, waveform math includes Add, subtract, multiply, divide, FFT (magnitude and phase), low pass filter available, inbuilt array of training signals with lab guide, manufacturer should have NABL accredited service and Calibration lab in India, USB Interface with compatible software to connect and control the instrument and to build custom test sequence with the integrated test flow app to automate and visualize test result without the need for instrument programming, 2 Passive.Probe should be provided with oscilloscope and have selectable 10:1 and 1:1 attenuation. Warranty at least 3 – years
2	DIGITAL STORAGE OSCILLOSCOPE 50MHZ	Digital Storage Oscilloscope 50MHz, Two-channel, 1GSa/s sample rate, 100Kpts record length, 50000 wfrm/s update rate, Vertical sensitivity - 500 μ V to 10V/Div, Built – in digital voltmeter and frequency counter, lab guide, tutorials and Oscilloscope fundamentals guide, Input Impedance- 1 M Ω \pm 2%/16 pF \pm 3 pF, Display size 7 inch or more, waveform math includes Add, subtract, multiply, divide, FFT (magnitude and phase), low pass filter available, inbuilt array of training signals with lab guide, manufacturer should have NABL accredited service and Calibration lab in India, USB Interface with compatible software to connect and control the instrument and to build custom test sequence with the integrated test flow app to automate and visualize test result without the need for instrument programming, 2 Passive Probe should be provided with oscilloscope and have selectable 10:1 and 1:1 attenuation. Warranty atleast 3 – years

3 Function Generator

10 MHz AM / FM Function-Pulse Generators with 40MHz Frequency Counter. It should have following features: 0.3 Hz - 3 MHz / 1 Hz - 10 MHz (Sine) (Optional), Sine, Square, Triangle, Ramp, Pulse and TTL outputs, 20 Vpp output and DC Offset, 40 MHz Frequency Counter, Rise time & Fall time ≤ 50 ns, 20 \times 4 character LCD, TTL output, 50 Ω Output Impedance, Various types of modulations, 20 dB/ 40 dB (fixed) & 20 dB variable attenuation, It should have following Technical Specifications:

Operating Modes: Sine, Square, Triangle, Ramp, Pulse, TTL

Frequency Range : 0.3 Hz - 3 MHz (Sine, Square & Triangle) 0.3 Hz - 2 MHz (Ramp, Pulse & TTL), Optional : 1 Hz - 10 MHz (Sine),

Frequency Accuracy : ± 0.5 %, Frequency Range & : Microcontroller based, Menu Selection

Sine Wave Distortion : 1 % (typical), Square Wave Rise Time & Fall Time ≤ 50 ns,

Pulse Duty Cycle : 15 % to 85 % var. (min width 200 ns), Triangle Nonlinearity $\leq 1\%$ (typical),

Output Impedance : 50 Ω , Output Voltage : 20 Vpp O.C., Attenuation : 20 or 40 dB (fixed) & 20 dB (variable), Level Flatness : Upto 300 KHz : ± 0.2 dB, Upto 3 MHz : ± 0.5 dB, DC Offset : ± 5 V adjustable, External Modulation : FM, Modulation Freq. Range : DC to 20 KHz, Modulation Input: 2 Vpp max.,

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. _____ (Amount in figures)
We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (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. _____