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

INVITATION LETTER

IET/TEQIP-III/2019-229-6

Package Code: TEQIP-III/2019/UP/Ietl/275
Package Name: IET-TEQIP-ECD-LAB-2

Current Date: 05-Jul-2019
Method: Shopping Goods

Sub: INVITATION LETTER FOR IET-TEQIP-ECD-LAB-2

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	EXPERIMENTATION WITH ACTIVE FILTERS KIT	5	Institute of Engineering and Technology, Lucknow	
2	UNDERSTANDING NETWORK THEOREMS	5	Institute of Engineering and Technology, Lucknow	
3	EXPERIMENTATION WITH TRANSIENT ANALYSIS OF RLC CIRCUIT KIT	5	Institute of Engineering and Technology, Lucknow	
4	ADVANCE ANALOG CIRCUITS DEVELOPMENT PLATFORM	5	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 and Acceptance - 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 **14:00** hours on **22-Jul-2019.**

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

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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	EXPERIMENTATION WITH ACTIVE FILTERS KIT	**Instruments Should have following technical Specification:** A low cost trainer demonstrating all the basic concepts of Active Filters. Exclusive presentation and easy illustration of each part of the Filter Circuit. Designed, considering all the Safety Standard Study of Active Low Pass Filter and to Evaluate: a High cutoff frequency of Low Pass Filter b Pass band gain of Low Pass Filter c Plot the frequency response of Low Pass Filter Study of Active High Pass Filter and to Evaluate: a Low cutoff frequency of High Pass Filter b Pass band gain of High Pass Filter c Plot the frequency response of High Pass Filter Study of Active Band Pass Filter and to Evaluate: a Low cutoff and High cut off frequency of Band Pass Filter b Pass band gain of Band Pass Filter c Plot the frequency response of Band Pass Filter Study of Narrow Reject T-Notch Filter and to Evaluate: a Notch-out frequency of T-Notch Filter b Plot the frequency response of T-Notch Filter Function generator Frequency range of Function Generator : Selectable : 1Hz to 10Hz : 10Hz to 100Hz : 100Hz to 1kHz : 1KHz to 10 kHz : 10kHz to 100kHz Amplitude controlled output Active Filter : Accurate frequency response : Variable Cutoff Frequencies : Adjustable Gain of output : Manual creation of Band Pass Filter using High Pass and Low Pass Filter Power Supply : 230V ±10%, 50Hz Fuse : 350mA Package contains : 2mm Patch Cord 8"-15 nos. 2. Mains Cord -1 no.
2	UNDERSTANDING NETWORK THEOREMS	**Instruments Should have following technical Specification:** In-built power supply Constant current source On board Voltmeter & Ammeter Straight forward representation of all theorems On board equivalent circuits Potentiometer is provided to vary load resistance. Study and verification of Norton's theorem — Study and verification of Thevenin's Theorem — Study and verification of Maximum Power Transfer Theorem — Study and verification of Superposition theorem — Study and verification of Reciprocity theorem — Study and verification of Tellegen's Theorem.Technical Specifications Mains power supply : 90 - 270V ±10%, 50Hz DC power supply : +5V, Regulated +12V, Regulated Constant Current Source : 3.2 mA Voltmeter Range : 200mV to 20V Ammeter Range : 200µA to 200mA
3	EXPERIMENTATION WITH TRANSIENT ANALYSIS OF RLC CIRCUIT KIT	**Instruments Should have following technical Specification:** Easy experimental illustration of Transient Analysis of RLC circuit Built-in Signal Generator.Mains Supply : 230V ±10%, 50Hz. Study the transient response of a series RLC circuit with TTL for under damped, critically damped and over damped cases
4	ADVANCE ANALOG CIRCUITS DEVELOPMENT PLATFORM	Tie Points on Breadboard : 1685 nos (solder less) DC Power Supplies: + 5V, 1 A (Fixed), + 12V, 500 mA (Fixed), -12V, 500 mA (Fixed), + 12V, 500 mA (Variable), -12V, 500 mA (Variable). AC Supply: 9V-0V-9V, 500mA. Breadboard: Breadboard for making, Various circuits and testing them. External components/IC can be fitted conveniently. Function generator: Operating modes Sine, Square and Triangular .Frequency range 1 Hz to 100 KHz. Volt/Current/Frequency Measurement: Voltage Range +12V to -12V, Current Range 0 to 500mA,Frequency Range DC to100KHz, All with respect to Ground). PC Interface: Acquisition from two Analog input channels (Max. input 1Volt).Continuity Tester: For testing the continuity. Provided with Beeper Sound. Power Supply: 110-220 V ±10%, 50/60Hz. Learning material: CD (Theory, procedure, reference results, etc). with all Accessories Experimental board Accessories : Ready to use Analog Experiment Boards (covering device characteristics and study of various analog circuits) with wired components and schematic drawn on top, compatible to use with Analog- Digital Circuits Development Platform

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. _____