



INVITATION FOR QUOTATION

Package Code: TEQIP-III/2019/MP/igec/72
Package Name: IGEC/EE/ADL/EQIP/01 to 16

Current Date: 27-Sep-2019
Method: Shopping Goods

For uploading on the Institute Website
Subject: INVITATION FOR QUOTATION FOR SUPPLY OF GOODS

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	Analog to Digital and Digital to Analog Converter Trainer Board	2	EE Department, I.G. Engineering College	
2	Analog & Digital Bread Board Trainer	2	EE Department, I.G. Engineering College	
3	Digital IC Trainer Board	2	EE Department, I.G. Engineering College	
4	Linear IC Trainer Board	2	EE Department, I.G. Engineering College	
5	Transistor Coupled Amplifier Trainer Kits	2	EE Department, I.G. Engineering College	
6	Transistor Amplifier Trainer Kits	2	EE Department, I.G. Engineering College	
7	Feedback Amplifier Trainer Kits	2	EE Department, I.G. Engineering College	
8	Oscillator Circuit Trainer Kits	2	EE Department, I.G. Engineering College	
9	Filter Design Kits	2	EE Department, I.G. Engineering College	
10	Operational Amplifier Based Trainer Kits	2	EE Department, I.G. Engineering College	
11	Flip-Flop Circuit Trainer Kits.	2	EE Department, I.G. Engineering College	
12	Logic Gates Trainer Kits	2	EE Department, I.G. Engineering College	
13	Decoder and Encoder Trainer Kits	2	EE Department, I.G. Engineering College	
14	Multiplexer/ De-multiplexer Trainer Kits	2	EE Department, I.G. Engineering College	
15	Counter Trainer Kits	2	EE Department, I.G. Engineering College	
16	Shift Register Trainer Kits	2	EE Department, I.G. Engineering College	

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 **90** 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. 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. 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:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery, Acceptance, Installation & Testing	30	100

10. Liquidated Damages will be applied as per the below:
Liquidated Damages Per Day Min % : N/A
Liquidated Damages Max % : N/A
11. All supplied items are under warranty of 24 months from the date of successful acceptance of items and AMC/Others is No.
12. You are requested to provide your offer latest by 14:30 hours on 16-Oct-2019.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) – **Training on operation and handling of equipments free of cost as per department requirements.**
15. Testing/Installation Clause (if any) – **Full installation and testing/demonstration free of cost.**
16. Performance Security shall be applicable: 0%
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, **Indira Gandhi Engineering College, Sagar, Jabalpur Road, Baheriya Gadgad, Near Makronia Railway Station, Sagar – 470021**
19. **Qualification Criteria** : The bidder/supplier should have :
19.1 A minimum of 3 years experience of supplying similar items.
19.2 A turnover of Rs. 100 lakhs at least once in three years.
19.3 Not been blacklisted by any Government Institution/Organization.
20. The quotation should include the following information :
20.1 The copies of original documents defining the constitution or legal status, place of registration and principal place of business of the company firm or partnership etc. in India.
20.2 Report on financial status (balance sheet and auditor's report for the past three years).
20.3 An affidavit for not being blacklisted by any Government Institution/Organization.
20.4 Authorization Certificate from the OEM/Principal (if bidder/supplier is not an OEM) assuring full guarantee and warranty obligations during the liability period, for the goods offered.
20.5 The list of clients duly supported by copies of purchase orders, installation and performance report signed by purchasers/users.
21. In case of failure to supply the goods within the prescribed time and in accordance with the specifications given in the contract/purchase order, the institute shall be free to cancel the order and make purchase from the next higher tenderer/from the open market as the case may be.
22. The competent authority reserves the right to increase or decrease the quantity of any item of sale, during the period of contract. The tenderer/bidder will be bound to comply with the order of the competent authority without any claim and compensation.
23. Any controversy will be subject to disposal in Sagar Jurisdiction only.
24. Damaged, defective or substandard material will not be accepted under any circumstances.
25. Preference will be given to :
25.1 The bidders possessing relevant certification by an authorized body such as ISO etc., copy of which must be enclosed.
25.2 The bidders that have quoted the item certified for standard, quality and safety such as BIS, ISI etc., copies of which must be enclosed.
26. Please mention following on top of the sealed quotation submission envelope –
26.1. TEQIP – III
26.2 Package Code
26.3 Don't open before 02:30 PM on 16 Oct, 2019.
27. We look forward to receiving your quotation and thank you for your interest in this project.

[Handwritten signatures]

(Authorized Signatory)
Name & Designation

Annexure I

Sr. No	Item Name	Specifications
1	Analog to Digital and Digital to Analog Converter Trainer Board	Analog to Digital and Digital to Analog Converter Trainer Board Solder less Bread Board : DC Power Supply- +5v, ±12V, On-board signal generator with adjustable amplitude, On-board LED bank to observe digital outputs, 1No. of ZIF Socket. 8-Bit Discrete ADC, 12-bit successive approximation Monolithic ADC IC, Digital Ramp type ADC, 8-Bit ADC using Monolithic IC. 8-Bit Binary Weighted Resistor DAC, 8-Bit ladder type DAC , 8-bit DAC using Monolithic IC. Onboard variable DC voltage source. Onboard: switches, & clock generator.
2	Analog & Digital Bread Board Trainer	Function Generator: (1-10-100-1K-10K-100K)Hz (Sine wave/ triangular/ square wave/ TTL mode output), Bread board, 16 bit data switches & speaker, potentiometer, Four channel adapter, Two digits 7 segment LED on board, DC Power Supply: ±5v, ±12v @ 500mA (Fixed), Power Supply: Dual 0 to ± 30v dc @ 500mA (Variable), ZIF Sockets: 40 pin, 28pin & 20pin
3	Digital IC Trainer Board	Basic logic gate IC's NOT (7404), OR (7432), AND (7408), NOR (7402), NAND (7400), EX-OR (7486), NAND and NOR gates as Universal Logic Gates, De-Morgan's theorem I and II, Boolean Equation, Half Adder, Full Adder, Half Subtractor, Full Subtractor, Basic Flip-Flops RS (using NOR), JK (7476), D (7474), MS-JK (7476), D (7474) and T (using JK), Ripple Counter (7490), Synchronous Binary Counter (74191), 4 Bit Ring Counter using 7476, Decade / BCD counter using 7490, Universal Shift register 74194, 9 bit parity Generator / Checker (74280), Multiplexer (74153) and De-multiplexer (74138), BCD to seven segment decoder (7447), 4 bit Comparator (7485), Binary to Gray, Gray to Binary, Binary to BCD, BCD to Binary, BCD to Excess 3, Excess 3 to BCD, On board resources: Logic switches and LED indicators. Built in regulated power supply.
4	Linear IC Trainer Board	Linear IC Trainer Board Dual 0-20V on board power supply, High Speed Comparator IC710, Function Generator: sine, square, triangular, PLL – frequency demodulator, Fixed Voltage Regulator 7805, 7905, Speaker, Variable Voltage Regulator, Opto- Coupler , Op-amp, Diodes, 555 timer, NPN & PNP transistors, Resistor Bank, Capacitor Bank, ZIF Socket, Bread Board.
5	Transistor Coupled Amplifier Trainer Kits	Transistor Coupled Amplifier Trainer Kits Single and multi-stage RC, LC and Transformer Coupled amplifier, Easy illustration of multistage amplifier and emitter follower, RF tuned amplifier, In built sine wave generator with variable frequency and amplitude, DC power supply: +12V, +5V, Sine wave generator, Frequency : 10 Hz to 100 kHz, On board meters.
6	Transistor Amplifier Trainer Kits	Transistor Amplifier Trainer Kits On board Meter for CB, CC & CE study as well as PNP & NPN along with Class A, B,C and AB Push pull amplifier. DC power supply: Fixed: +12V, -12V, +5V, -5V, Sine wave generator , Frequency: 10 Hz to 100 kHz.
7	Feedback Amplifier Trainer Kits	Feedback Amplifier Trainer Kits Feedback amplifiers on panel (voltage shunt, current shunt, voltage series & current series), VDC Regulated Power Supply 15 V @ 500 mA, On board meters.
8	Oscillator Circuit Trainer Kits	Oscillator Circuit Trainer Kits Hartley, Colpitt, RC phase shift, Crystal oscillator, Illustration of oscillator design using passive elements, Biasing voltage: +15V DC, Design of oscillators: passive elements with NPN transistors.
9	Filter Design Kits	Filter Design Kits On board circuits: low pass, high pass, band pass, notch filter, matched filters etc., White Noise Source, Audio Amplifier with Speaker, On board fixed DC Power supply, In built function generator with selectable range so as to realize all types of above filter.
10	Operational Amplifier Based Trainer Kits	Operational Amplifier Based Trainer Kits Two nos. of OP-Amp 741: its various applications like inverting, non-inverting, voltage follower, summer, subtractor, differentiator, integrator, comparator, log/anti-log amplifier, Schmitt trigger etc., F/V, V/F using LM331, dc fixed supply, Variable power supply : dc, On board

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		function generator 1 kHz to 100 kHz, On board resistors, diodes, capacitors, variable potentiometer , Mounted bread board.
11	Flip-Flop Circuit Trainer Kits.	Flip-Flop Circuit Trainer Kits. Flip-Flops: RS, JK, D, T type& Master & Slave, +5V SMPS adaptor provided with the trainer for power supply, Input: +5V DC, Logic levels, +5V: HIGH (Logic 1), 0V LOW (LOGIC 0)
12	Logic Gates Trainer Kits	Logic Gates Trainer Kits Designing of AND, OR and NOT gate using NAND and NOR gate, +5V SMPS adaptor provided with the trainer for power supply, Input: +5V DC, Logic levels +5V: HIGH (Logic 1), 0V LOW (LOGIC 0).
13	Decoder and Encoder Trainer Kits	Decoder and Encoder Trainer Kits Encoder and Decoder(At least 4 types), +5V SMPS adaptor provided with the trainer for power supply, LEDs for visual indication of inputs and outputs status, Input: +5V DC, Logic levels +5V: HIGH (Logic 1), 0V LOW (LOGIC 0), LED indication
14	Multiplexer/ De-multiplexer Trainer Kits	Multiplexer/ De-multiplexer Trainer Kits +5V SMPS adaptor provided with the trainer for power supply, Easy illustration of Multiplexer/ De-multiplexer, ICs for multiplexers & Demultiplexers, Adequate no. of input switches and Electronic components, LEDs for visual indication of inputs and outputs status, A Pulser to provide the pulses manually for triggering, Input: +5V DC, Logic levels +5V: HIGH (Logic 1), 0V LOW (LOGIC 0)
15	Counter Trainer Kits	Counter Trainer Kits Standalone system with easy illustration of different types of counters (Up/Down, Decade, Ring, Cascaded, Johnson, Modulus counter), +5V DC, IC regulated power supply, Minimum 4 Nos. Input Switches for data input. IC for Synchronous Counter 74193 with Combinational Circuit. IC for Asynchronous Counter 74190 with Combinational Circuit. Two 2 Input OR Gate using 7432, Four 2 Input AND Gate using 7408, One 3 Input NAND Gate using 7410, Two 3 Input AND Gate using 7411, Four JK Flip- Flop are provided using 7476 IC. A Pulser to provide the pulses manually for triggering. DC Power Supply: +5V DC, Logic levels +5V: HIGH (Logic 1), 0V LOW (LOGIC 0)
16	Shift Register Trainer Kits	Shift Register Trainer Kits Standalone system with easy illustration of all types of 3-bit and 4-bit shift registers, SPDT switches for logic selection, DC Power Supply: +5V DC, Logic levels +5V: HIGH Logic 1), 0V LOW (LOGIC 0), LED indication

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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. _____