

Maulana Abul Kalam Azad University of Technology, West Bengal

Ward No.08, Post Simhat, PS- Haringhata, Nadia – 741249

Invitation For Quotation Digital Trainer Kit

Package Code: TEQIP-III/2019/WB/makaut/160

Current Date: 10-Dec-2019

Package Name: Universal electronics trainer kit

Method: Shopping Goods

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 Trainer Kit	40	Maulana Abul Kalam Azad University of Technology, WB, NH-12 (Old NH - 34), Simhat, Haringhata, Nadia, W.B, Pin: 741249.	YES

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.

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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:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation	30	10
Satisfactory Acceptance	30	90

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 **180** months from the date of successful acceptance of items and AMC/Others is **YES**.

12. You are requested to provide your offer latest by **16:30** hours on **25-Dec-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, Maulana Abul Kalam Azad University of Technology, WB, NH-12 (Old NH - 34), Simhat, Haringhata, Nadia, W.B, Pin: 741249**

19. We look forward to receiving your quotation and thank you for your interest in this project.

Sd./-
Registrar
MAKAUT, WB

Maulana Abul Kalam Azad University of Technology, West Bengal

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Annexure I

Sr. No	Item Name	Specifications
1	Digital trainer kit	<p>Analog –Cum- Digital Trainer Kit along with standard features. 1. 8 TTL/CMOS compatible Logic Level Inputs Selectable by switches with LED indicators (by TRI colour LEDs) 2. LEDs Indicator. 3. Clock outputs Auto & with Manual Pulsing by a push button switch 4. Built in Power Supply with short circuit protection from any point of equipment. 5. Tri color indicators to observe high/low / open & pulse logic, standard (eight nos.) 6. Overload Trip by 30 second delay ON. 7. Logic Probe for Logic Low, High , Open and pulse (it should show 4 visual condition) 8. Two seven segment display with BCD inputs 9. Bread Board with 2520 tie points Capable of accepting wire diameter from 22 SWG TO 24SWG. 10. Simple hookup wires to be used as connecting / patch cord wires. Power Supply Input : 230 Volt \pm 10%, AC 50 Hz Output (i) : + 5 Volt Output (ii) : –5 Volt Output (iii): +12 Volt Output (iv): –12 Volt Output (v) : 0 to +30V variable Output (vi): 0 to –30V variable Output (vii) : 12V – CT – 12V AC 50 Hz Protection with In-built series resistance Protection : Auto Overload Trip ON ALL DC OUT PUT (Reset by power OFF 30 sec) Connectivity : Terminals Snap-fit made of brass with nickel coating. LCD Panel : Frequency Counter TTL up to 300KHz : Voltmeter –35V to +35V (Gnd-ref) (should operate without battery) LOGIC DATA Number of bits : 8 (Eight) Fan-out : 5 LS-TTL each Indication : 1 LED each : Red=High , Green=Low Set / Clear : Push button, Electronic De-bounced CLOCK GENERATOR Output : TTL & complemented TTL Fan-out : 5 LS-TTL each Frequency Range : 5 Hz to 240 KHz Manual mode : Push Button Electronic De-bounce Indication : Red= High, Green= Low, Mix=Pulse LOGIC PROBES Number of bits : 8 (eight) Sense Type : Four-state Indication on LED : High = Red, Low = Green Pulse = Mix, Hi-z = Off Frequency response : DC to 200 KHz FUNCTION GENERATOR Simultaneous outputs : TTL, SINE and Square/Triangle Frequency Range : 50 Hz to 200 KHz Sine Out : Max 20Volt P-P, RS= 600 ohm Square / Triangle out : 20Volt P-P , RS= 2000 ohm DC offset (sqr/trng) : OFF / ON vary \pm 10 Volt TTL out : 5 LS Fan Bread board area : 3 x 840 = 2520 Tie-points Enclosure : 425mm x 335mm x 115mm approx. Virgin Pine Wood Cabinet Detachable Lid Weight : 5.5 Kg Aprox. SINGLE PCB : 12” 16 “ APROX Warranty : 5 years for unit Warranty: 10-15 years for Terminals Snap-fit made of brass with nickel coated. Safety features. 1. KIT SHOULD BE CAPABLE TO BEAR SHORT CIRCUIT / OVER LOAD PROTECTION FOR INDIFINATIVE PERIOD. 2. ANY HOOKUP WIRE SHULD USED AS PATCH CORD WITHOUT ANY CONNECTOR OR JACK. 3. CONNECTIVYTI OF ALL METAL TERMINAL PUSH TO OPEN TYPE FOR CONNECTION WITH 10-15 YEARS PERFORMANCE WARRANTY. 4. LOGIC OUTPUT SHOULD BE CAPABLE TO SHOW THE VISUAL INDICATION OF WRONG CONNECTION. ALONG WITH VISUAL CONDITION OF LO, HI, OPEN & PULSE CONDITION. 5. LCD DISPLAY FOR FREQUENCY COUNTER OF THE INBUILT FUNCTION GENERATOR & CLOACK GENERATOR. 6. BUILT IN LCD METER FOR VOLT & FREQUENCY COUNTER SHOULD WORK WITHOUT BATTERY 7. POWER SUPPLY SHOULD CAPABLE TO PROTECT THE DAMAGE OF ANY COMPONENTS FROM WRONG CONNECTION. 9. IN ANY CONDITION DURING DIGITAL SEQUENTIAL EXPERIMENT THE KIT SHOULD BE CAPABLE TO BAR THE NOISES FROM FELOW WORKER. 10. MONOLITHIC (SINGLE PCB) DESIGN TO ELEMIMATE LOOSE CONNECTION FROM CONNECTIONS TO REDUCE NOISE. 11. INBUILT RFI FILTER CIRCUIT FOR DATA SAFETY.</p>

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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. _____