

## INVITATION FOR QUOTATION

- 1) You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

### Annexure I

Sr. No	Brief Description	Quantity (pcs)	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	TEQIP-III/2019/WB/ makaut/155  <b>Universal electronics trainer kit</b>	40	30	TEQIP III,MAKAUT,WB Maulana Abul Kalam Azad University of Technology, West Bengal Ward No.08, Post Simhat, PS- Haringhata, Nadia - 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:**

- a. The contract shall be for the full quantity as described above.
- b. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- c. All duties and other levies payable by the supplier under the contract shall be included in the total price.
- d. Applicable taxes shall be quoted separately for all items.**
- e. 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.
- f. If you require any “waybill” for transportation of goods to Kolkata, you have to apply in advance separately with a copy of Invoice enclosing a copy of order.
- g. The Prices should be quoted in Indian Rupees only.**

- 4) Each bidder shall submit only one quotation for most suitable one for the item mentioned only, without any optional item.**

**5) Validity of quotation:**

Quotation shall remain valid for a period not less than **30** 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

- a. are properly signed ; and
- b. Conforming to the terms and conditions, and specifications.

- 7) The Quotations would be evaluated for all items together.

## INVITATION FOR QUOTATION

- a. Quotation will be compared on the basis of quoted price (Total Cost including all taxes) for goods at its final destination.
- b. Past performance & experience may be furnished to consider the credential of the bidder.

### 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.

- a. 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.
- b. 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) Delivery:

- a. **Delivery period mentioned in the Purchase Order received by the vendor must be maintained. In case of failing the delivery within stipulated date the order may be cancelled if proper justification is not received from the vendor in time.**

### 10) Payments:

Payment shall be made in Indian Rupees as follows:

- a. **90% of the total cost after delivery and installation along with the demonstration and testing of the goods**
- b. **10% of the total cost after satisfactory acceptance of the goods by the Departments.**
- c. **Payment will be done by online transfer to the bank account of the vendor by NPIU, New Delhi after formalities. Vendor must provide the following details for bank transfer. i) Account Holder Name, ii) Account No, iii) Bank Name, iv) Branch Name, v) IFSC No., vi) PAN, vii) TAN, viii) GSTIN, ix) TIN, x) Mobile Number.**

- 11) All supplied items are under normal commercial warranty/ guarantee of not less than 12 months from the date of successful acceptance of items, unless specified of warranty for longer duration in specification.
- 12) Rate of AMC may be furniture separately, which will be applicable at the end of the normal commercial warrant period.
- 13) You are requested to provide your offer on or before **15:00 hours on 12<sup>th</sup> September 2019. Bids will be opened on 13<sup>th</sup> September 2019 at 15.00hours.**
- 14) Detailed specifications of the items are at Annexure I.
- 15) Training Clause (if any): **Demonstration at the time of Installation is to be confirmed.**
- 16) Testing/Installation Clause (if any): **Satisfactory Installation & Testing is required.**
- 17) **Submission of video footage of the successful installation and testing along with the Model No. & Sl.No. are preferred.**
- 18) Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
- 19) Sealed quotation to be submitted/ delivered, within **15:00 hours** on 12<sup>th</sup> September 2019 at the address mentioned below,

## INVITATION FOR QUOTATION

TEQIP-III, Maulana Abul Kalam Azad University of Technology, West Bengal Ward No.08,

Post Simhat, PS- Haringhata, Nadia - 741249.

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

Registrar,  
MAKAUT, WB

### Annexure I

**Package Code:** TEQIP-III/2019/WB/makaut/155

**Specification of Universal electronics trainer kit:**

Item Name	Brief Specification
TEQIP-III/2019/WB/makaut/ 155  <b>Universal electronics trainer kit</b>	<p><b>Analog –Cum- Digital Trainer Kit along with standard features.</b></p> <ol style="list-style-type: none"><li>1. 8 TTL/CMOS compatible Logic Level Inputs Selectable by switches with LED indicators (by TRI colour LEDs)</li><li>2. LEDs Indicator.</li><li>3. Clock outputs Auto &amp; with Manual Pulsing by a push button switch</li><li>4. Built in Power Supply with short circuit protection from any point of equipment.</li><li>5. Tri color indicators to observe high/low / open &amp; pulse logic, standard (eight nos.)</li><li>6. Overload Trip by 30 second delay ON.</li><li>7. Logic Probe for Logic Low, High , Open and pulse ( it should show 4 visual condition )</li><li>8. Two seven segment display with BCD inputs</li><li>9. Bread Board with 2520 tie points Capable of accepting wire diameter from 22 SWG TO 24SWG.</li><li>10. Simple hookup wires to be used as connecting / patch cord wires.</li></ol> <p><b>Power Supply</b> Input : 230 Volt <math>\pm</math> 10%, AC 50 Hz <b>Output (i) :</b> + 5 Volt <b>Output (ii) :</b> –5 Volt <b>Output (iii):</b> +12 Volt <b>Output (iv):</b> –12 Volt <b>Output (v) :</b> 0 to +30V variable <b>Output (vi):</b> 0 to –30V variable <b>Output (vii) :</b> 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.</p> <p><b>LCD Panel</b> : <b>Frequency Counter</b> TTL up to 300KHz : <b>Voltmeter</b> –35V to +35V (Gnd-ref) <b>(should operate without battery)</b></p> <p><b>LOGIC DATA</b> Number of bits : 8 (Eight) Fan-out : 5 LS-TTL each Indication : 1 LED each : Red=High , Green=Low</p>

## INVITATION FOR QUOTATION

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 INDEFINITE PERIOD.
2. ANY HOOKUP WIRE SHOULD BE USED AS PATCH CORD WITHOUT ANY CONNECTOR OR JACK.
3. CONNECTIVITY 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 & CLOCK GENERATOR.
6. BUILT IN LCD METER FOR VOLT & FREQUENCY COUNTER SHOULD WORK WITHOUT BATTERY
7. POWER SUPPLY SHOULD BE 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 BLOCK THE NOISES FROM NEARBY WORKER.
10. MONOLITHIC (SINGLE PCB) DESIGN TO ELIMINATE LOOSE CONNECTION FROM CONNECTIONS TO REDUCE NOISE.
11. INBUILT RFI FILTER CIRCUIT FOR DATA SAFETY

**INVITATION FOR QUOTATION  
FORMAT FOR QUOTATION SUBMISSION**

(In letter head of the supplier with seal)

**Package Code:** TEQIP-III/2019/WB/makaut/155

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)	Applicable Taxes	
						In %	In figures (B)
<b>Total Cost</b>							

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 with Stamp

Name (Full) : \_\_\_\_\_

Address: \_\_\_\_\_

Contact No: \_\_\_\_\_