

## INVITATION FOR QUOTATION

Package Code: TEQIP-III/UK/ctgp/7

Current Date: 06-Jun-2019

Package Name: CT/EED/008

Method: Shopping Goods

To,

### Subject: Invitation for Quotations

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	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Experimental Kits for Control System Lab	15	60 Days	FOR Pantnagar	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. **Qualification Criteria: The bidder/ supplier should have**
  - I. A minimum of 3 year's experience of supplying similar items.
  - II. A turnover of Rs. 50 lacs at least once in last three years.
  - III. Not been blacklisted by any Govt. Institution/ Organization
4. Quotation,
  - 4.1 The contract shall be for the full quantity as described above.
  - 4.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
  - 4.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
  - 4.4 Applicable taxes shall be quoted separately for all items.
  - 4.5 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.
  - 4.6 The Prices should be quoted in Indian Rupees only.
5. Each bidder shall submit only one quotation.
6. Quotation shall remain valid for a period not less than **40** days after the last date of quotation submission.
7. **The quotation should include the following information**
  - i) **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**

- ii) **Report on financial status (balance sheet and auditor's report for the past three year)**
- iii) **An affidavit for not been black listed by any Govt. Institution/Organization.**
- iv) **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.**
- v) **The list of clients duly supported by copies of Purchase Orders, Installation and performance report signed by the purchasers/ users.**
- vi) **Details of service/support centers located in India.**

8. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

8.1 are properly signed ; and

8.2 Confirm to the terms and conditions, and specifications.

9. The Quotations would be evaluated for all items together.

10. 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.

10.1 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.

10.2 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.

11. Payment shall be made in Indian Rupees as follows:

**Satisfactory Acceptance-100% payment after Satisfactory Installation.**

12. All supplied items are under warranty of **36 months (In case of software purchase the 36 months warranty include free of cost updations/upgradations & Technical assistance)** from the date of successful acceptance of items.

13. You are requested to provide your offer latest by **14:30 hours on June 26, 2019.**

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

15. Training Clause (if any) **Training on operation and handling of equipment/ software ----- free of cost as per Department requirement.**

16. Testing/Installation Clause (if any) **Full installation and testing/ demonstration ----- free of cost**

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,

Dean/Coordinator TEQIP-III

College of Technology

GB Pant University of Agriculture & Technology

Pantnagar- 263145 (Uttarakhand)

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

(Authorized Signatory)  
Name & Designation

**Annexure I**

Sr. No	Item Name	Specifications

Experimental  
Kits for  
Control  
System Lab

- (i) Measurement and control of temperature using RTD transducer containing the following components: 01 6 V DC at 100 mA, IC Regulated Power Supply. 02 Four Op-Amp. ICs. 03 Relay 6V DC, one change over. 04 One NPN transistor. 05 3 1/2 digits display panel meter, to display temperature in °C. 06 RTD sensor with 3 pin connector. 07 One switch for setting temperature on one side and to read actual temperature on other side, Potentiometer to control temperature. 09 AC mains socket to connect load whose temperature is to be controlled. 10 Adequate no. of other Electronic Components. 11 Mains ON/OFF Switch and Fuse 400 mA. 12 The unit is operative on 230V  $\pm$ 10% at 50Hz AC Mains. 13 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms. 14. 15 Weight : 3 Kg. (Approx) 16 Dimension : W340x H110 x D210 (mm)
- (ii) Potentiometer Error Detector Kit having components such as Built-in signal and power sources 02 DC/AC both operations 03 High quality 360° shaft rotation servo potentiometer 04 AC excitation at 800Hz approx 05 Built in balanced demodulator circuit 06 3.5 digits DPM for carrying measurements 07 Separate test-points to observe waveforms after each block 08 Phase reversal of error in AC operation 09 Closed loop position control system 10 Self contained and easy to operate 11 Built-in DC Power Supply 12 Functional blocks indicated on-board Mimics, No. of Potentiometer : 2 nos. o 02 Type of Potentiometer : 360 Shaft rotation 1K Servo Potentiometer. 03 Inbuilt Carrier Frequency: 800Hz(Approx). 04 Potentiometer Excitation : +5 volts D.C. 05 Digital panel meter : +20 & -20 volts display range 06 Power Supply : 230V+5%, 50Hz 07 Interconnections : 4mm banana sockets 08 Power Consumption : 10 VA (approximately) o 09 Operating Conditions : 0-40 C, 85% RH 10 Dimension : W 340 x H125 x D210 11 Weight : 1.5Kg (approximately)
- (iii) Linear system simulator kit containing components such as Power Supply : 230V+5%, 50Hz 02 Interconnections : 4mm banana sockets 03 Power Consumption:10 VA (approximately) 04 Operating o Conditions : 0-40 C, 85% RH 05 Dimension : W 340 x H125 x D210 06 Weight : 1.25Kg (approximately)
- (iv) Study kits for PID controller with components such as: Proportional Band: 5% to 55%. 02 Integrator : 10 msec to 110 msec 03 Derivative : 1 msec to 11 msec 04 ON/OFF controller : ON = 12 V, OFF = -12 V 05 On board Generator : Square wave & triangular wave Generator of 0 -156 Hz, Two Variable DC +10 V 06 Interconnections : 2 mm socket 07 Test Points : 5 nos 08 Power Supply : 230 V  $\pm$ 10 %, 50 Hz 09 Learning Material : Theory, procedure, reference results etc 10 Operating Conditions : 0-40 C, 85% RH 11 Power Consumption : 1.6 VA (approx.) 12 Dimensions (mm) : W340  $\times$  H125 x D21
- (v) Experimental Kits on arduino boards containing components such as: +5V & +3.3V D.C. at 100mA, IC regulated power supply internally connected. 02 Arduino UNO Board with USB port for up loading programming and data communication. 03 20x4 LCD for displaying output values. 04 4 digit seven segment display for displaying output values. 05 8 push buttons for controlling LED or to use it as an input unit. 06 8 LED for indicating output, Buzzer for indicating output or to generate tone. 08 BREAD BOARD One Terminal Strips with 640 tie points and 2 Distribution Strips with 100 tie points each, totaling to 840 tie points. For further expansion. 09 DS1307 IC to be used as Real Time Clock 10 L293D Dual H-Bridge Motor Driver IC with two 5V DC motor. 11 MAX232 IC with DB9 Connector for serial port communication. 12 Humidity Sensor DHT11. 13 Ultrasonic Sensor HC-SR04. 14 Gas/Smoke/Alcohol Sensor MQ-135. 15 Temperature Sensor LM35. 16 LDR. 17 4x4 Keypad Matrix. 18 Weight : 3.0 Kg.(Approx.) 19 Dimension : W 415 x H 165 x D315

**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)
<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

Name: \_\_\_\_\_

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

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