



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

INVITATION LETTER

Package Code: TEQIP-III/2019/UP/ietl/284

Package Name: IET-TEQIP-ECD-LAB-11

IET/TEQIP-DI/19-284-K

Current Date: 05-Jul-2019

Method: Shopping Goods

Sub: INVITATION LETTER FOR IET-TEQIP-ECD-LAB-11

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 | PLC Trainer Kit | 2 | Institute of Engineering and Technology, Lucknow | |
| 2 | PID Circuit Control Trainer | 2 | Institute of Engineering and Technology, Lucknow | |
| 3 | Signal Conditioning Trainer | 2 | 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.
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.

(45)

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 | PLC Trainer Kit | <p>SPECIFICATIONS: PLC Trainer Kit. PLC -Specifications:- Allen Bradley - MicroLogix 1400, 12 digital fast 24V dc inputs, 8 digital 24V dc inputs, 6 relay outputs, 3 fast 24V dc outputs, 3 normal 24V dc outputs, 4/2Analog (12 bits) inputs/op, 24V dc power. PLC TRAINER Micrologix1400 (specs for item 1 only). (1) With 20 digital input, 12digital output (6relay, 6MOSFET). (2) 2 MOSFET outputs can be configured as PWM, PTO. (3) 4inbuilt analog inputs (0- 10V). (4) 2 inbuilt analog outputs (0- 10V). (5) Communication ports: RS-232/485using serial cable with PC. (6) Inbuilt Ethernet port 10/100 MBPS, supports BOOT Pand DHCP. (7) Inbuilt LCD display. (8) Small keypad for parameter selection. (9) Universal power input: 110VAC-240VAC. (10) EEPROM and Battery backup for DATA and PROGRAM MEMORY. (11) LARGE INBUILT Memory 8K. (12) Supports 4No. HIGH SPEED COUNTERS upto 40KHz. 24V, 3A SMPS 1 NO. Experimental manual, Interconnection cords,</p> |
| 2 | PID Circuit Control Trainer | <p>P.I.D. CONTROLLER (MICROPROCESSOR BASED) The system is based on CPU, 8055,8155,8279, & 6116 RAM, the unit comes with 16 digit keyboard and 6 no. seven segment displays. The unit has following features. (1) PT 100 RTD with associated instrumentation card. (2) 12 bit ADC using IC 7109. (3) Study of A/D converter is also possible. (4) The software supplied facilitates experimentation in following modes. (a) Proportional controller. (b) Proportional + Integral controller. (c) Proportional +Derivative d)P+I+D controller. The modes can be selected by proper selection of RAM contents. The Kp, Ki , Kd and set points are programmable. The system demonstrates working in the range 45 degree centigrade. A cooling fan is also provided to simulate load variations. Solid state relay controls the power to the model process. Experimental manual, Interconnection cords,</p> |
| 3 | Signal Conditioning Trainer | <p>Signal Conditioning Trainer has following specifications:- Should be supplied with the instrument which can log the value of the parameter like temperature, resistance etc. in to the Computer via a USB Port. The software running in computer should have following features: Sampling Time, Minimum Sampling Time of Meter Data: 1sample/second. In auto mode, it is real time receive data from meter. In manual mode, you can set the sampling time in second. Hardware Specification: The bench-mounted trainer features the following circuits: Buffer, Inverters, Comparator with switchable hysteresis, Amplifiers with gain and offset control, Current amplifier, Summing amplifier, Differential amplifier, Instrumentation amplifier, AC amplifier, Oscillator 40kHz, Filter 40 kHz, Low pass filter with switchable time constant, Precision full-wave rectifier, Sample and hold circuit ,Integrator with switchable time constant, Differentiator with switchable time constant, V/F and F/V Converters, V/I and I/V converters, Alarm osc. with switchable latching, Power amplifier, Electronics Switch. POSTITIONAL RESISTANCE TRANSDUCERS: Carbon potentiometer, Wire wound potentiometer, Slide potentiometer, Wheatstone Potentiometer. TYPICAL TOPIC AREAS INCLUDE: Positional resistance transducers, Wheatstone bridge measurements, Display Devices, Control system characteristics, Experimental manual, Interconnection cord.</p> |

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. _____ (Amount in figures)

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (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. _____