INVITATION FOR QUOTATION

TEQIP-III/2018/seip/Shopping/50   **10-Oct-2018**

To,

The CONCERNED

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Sub: Invitation for Quotations 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	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Industrial Control Trainer	1	55	Nanhi Pari Seemant Engineering Institute Pithoragarh- 262502, Uttarakhand	Yes
2	Ladder Logic Programming Simulator (LADSIM)	5	55	Nanhi Pari Seemant Engineering Institute Pithoragarh- 262502, Uttarakhand	Yes
3	Robotic Control System based on Flow Chart based programming tools	1	55	Nanhi Pari Seemant Engineering Institute Pithoragarh- 262502, Uttarakhand	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, initialing, 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 **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

   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:

    Delivery and Installation - 90% of total cost

    Satisfactory Acceptance - 10% of total cost

10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.

11. You are requested to provide your offer latest by **17:00** hours on **05-Nov-2018 .**

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

13. Training Clause (if any) **Yes**

14. Testing/Installation Clause (if any) **Yes**

15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

16. Sealed quotation to be submitted/ delivered at the address mentioned below,

    NANHI PARI SEEMANT ENGINEERING INSTITUTE PITHORAGARH (Erstwhile Seemant Institute of Technology, Pithoragarh) GIC Campus, Link Road, Pithoragarh-262 502, Uttarakhand

17. 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
1	Industrial Control Trainer	Industrial control Trainer: Training kit must have the following features on board and must be compatible with ladder logic simulation software. The system should be designed for use with both PCs and PLCs , the unit should comprise a bench top system which represents a typical industrial control process. Inputs 5 x 24V d.c. Outputs 11 x 24V d.c. Chain conveyor 24V d.c. Motor with gearbox and slipping clutch Belt conveyor 24V d.c. Motor Sensors 3 x Infrared sensors 4 x Inductive Sensors 1 x Capacitive Sensor 1 x Fibre Optic Sensor Solenoids 1 x 24V d.c. rotary solenoid 2 x 24V d.c. linear solenoid Switched Faults Six switchable faults Control 1 x Start and Stop switch in enclosure 1 x Emergency Stop Switch Connection 1 x 15-way D type connector 24v dc Outputs 1 x 15-way D type connector 24v dc Inputs 1 x USB 2 x 4mm power terminals 2.1mm power jack socket Power supply requirements 24V d.c. @ 2.5A Terms and Conditions: • Vendor must mention the Model and Make in the quotation of quoted product and attached catalog in respect of the same. • Vendor must attached the authorization letter from the OEM/Authorized dealer of quoted product. • At the time of technical evaluation of product vendor may be called for the demonstration if required. • Quotation will be evaluated for the whole package.
2	Ladder Logic Programming Simulator (LADSIM)	LADDER LOGIC PROGRAMMING SIMULATOR(LADSIM) The simulator should provide for the following: 1. Fully functional PLC programming simulator to develop ladder programs and test them on-line with the existing PC simulating the action of a real PLC. 2. Should support visual editing, & ladder functions, Rug comment, Interactive debugger, Single step and single program loop modes 3. Must be WINDOWS based and incorporate all the functions like inputs, outputs, timers, counters in generic form. 4. Debugging of the ladder program be possible with the in-built LADDER debugging simulator using the single stepping facility. 5. Should support Real I/O capability

		of 12 inputs and 12 outputs, internal functions- 16 I/O, 16 flags, 8 counters, 8 timers, 8 shift registers. 6. To aid the understanding of the ladder programming and the various PLC functions provided following type of control problems be provided. a) Simple traffic Light sequence b) Car park c) Lift(Elevator). d) Drinks machine. e) Packing Line f) Bottling plant. g) Industrial Control Trainer 7. The Ladder Logic Simulation Software should have ability to be connected to external device, through a suitable interface. The student can start with internal simulations and then move on to internal simulations. The software should be able to communicate with external hardware through an interface card and can control this through the real I/O. 8. The courseware should begin with general introduction to PLCs, various programming methods available and fundamentals of ladder logic programming and then moves onto the other functions of software. Developing programs to monitor and control each of the simulation should be part of the curriculum coverage. Terms and Conditions: • Vendor must mention the Model and Make in the quotation of quoted product and attached catalog in respect of the same. • Vendor must attached the authorization letter from the OEM/Authorized dealer of quoted product. • At the time of technical evaluation of product vendor may be called for the demonstration if required. • Quotation will be evaluated for the whole package.
3	Robotic Control System based on Flow Chart based programming tools	Robotic control system Based on Flow chart based programming tools: • Robotic arm Production cell consist of rugged servo controlled 6 degree of freedom arm bolted to a base plate. • Arm delivers fast, accurate and repeatable movement with base rotation, single plane Shoulder, elbow, wrist motion, a functional gripper and a wrist rotator. • Board can be directly programmed from flow chart based programming software for dsPIC. • ARM must be controlled usingds PIC microcontroller and having 16Switches,16 Leds, 2 Line 16 character LCD, Quad 7 segment display and sensors.

| | | Terms and Conditions: • Vendor must mention the Model and Make in the quotation of quoted product and attached catalog in respect of the same. • Vendor must attached the authorization letter from the OEM/Authorized dealer of quoted product. • At the time of technical evaluation of product vendor may be called for the demonstration if required. • Quotation will be evaluated for the whole package. |

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

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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: _____