



National Institute of Technology
Kurukshetra

INVITATION LETTER

Package Code: TEQIP-III/2019/nitk/107 / 3144 Current Date: 24-May-2019
Package Name: Interfacing Card for 8051, Pic and ARM Method: Shopping Goods
Microcontroller based Embedded Boards

To,

Institute Website

Sub: Invitation Letter for Interfacing Card for 8051, Pic and ARM Microcontroller based Embedded Boards

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	Place of Delivery	Installation Requirement (if any)
1	Interfacing Card for 8051, Pic and ARM Microcontroller based Embedded Boards	NIT Kurukshetra	All above Interfacing cards should be compatible with all universal development boards and 8051, PIC and ARM based boards available in lab. Payment shall be make after satisfactory installation.

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 50 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:
 10. **Satisfactory Delivery & Installation - 100% of total cost**
 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 12 months from the date of successful acceptance of items and AMC/Others is No.
 12. You are requested to provide your offer latest by 05:30 hours on 07-Jun-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: 0%
 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 Cell, National Institute of Technology, Kurukshetra**
 19. We look forward to receiving your quotation and thank you for your interest in this project.


24.5.19
Nodal Officer, Procurement
TEQIP-III

Annexure-I

Interfacing cards for 8051, PIC and ARM Microcontroller based Embedded Boards:-

Sr. No.	Name of the card	Specifications	Quantity
1.	Elevator Module	Interface for simulating the control of an levator, assuming four floors. For each floor a key and a corresponding LED Indicator, Delays for LEDs should simulate the speed of Elevators, user can read request status. Reset request indicators, Expansion I/O connecting header to interface processor.	03 Each
2.	Bluetooth Interfacing Module	Bluetooth protocol: Bluetooth Specification v2.0+EDR.Compatible with multi processor with jumper selection. On board USB port for PC/ laptop Interface. Frequency: 2.4GHz ISM band. Modulation: FSK(Gaussian Frequency Shift Keying).1Mbps/1Mbps.Security: Authentication and encryption. Power supply: +3.3VDC 50mA.On Board connector for processor interface	
3.	RFID Interfacing Module	On board EM -18 125kHz based RFID card reader USB port interface to computer. Card detection range from 3 - 10cm. ASCII format output through a simple USB USART interface. Compatible with multi processor with jumper selection. On Board connectors, LED indicators & Buzzer interface. Special On board USB port for PC/ laptop Interface	
4.	Micro SD Card module	On board 3.3v compatible circuit.SD card slot to insert mini card.RS232 facility to retrieve data serially from SD card. 10 pin connection header to interface with any processor.	
5.	Stepper Motor	Step angle control without any supporting mechanism. On board motor driver support +5v to +24v motor	

All above mentioned Interfacing cards should be compatible with all universal development boards and 8051,PIC and ARM based boards available in lab. Payment shall be made after satisfactory Installation.


 Nodal Officer, Procurement
 TEQIP-III