

INVITATION FOR QUOTATION

TEQIP-II/2013/WB1G04/Shopping/41

13-Dec-2013

TEQIP-II/WB/WB1G04/64

To,

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	Decade Inductance box	2	60	University Institute of Technology The University of Burdwan Golapbag (North), Burdwan- 713104	Installation Required
2	Force measurement set-up	2	60	University Institute of Technology The University of Burdwan Golapbag (North), Burdwan- 713104	Installation Required
3	Instrumentation amplifier trainer	1	60	University Institute of Technology The University of Burdwan Golapbag (North), Burdwan- 713104	Installation Required
4	Moisture measurement set-up	1	60	University Institute of Technology The University of Burdwan Golapbag (North), Burdwan- 713104	Installation Required
5	Opto sensor Trainer	2	60	University Institute of Technology The University of Burdwan Golapbag (North), Burdwan- 713104	Installation Required

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 II** 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 **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:

Delivery and Installation - 0% of total cost

Satisfactory Acceptance - 100% of total cost

10. All supplied items are under warranty of **24** months from the date of successful acceptance of items.

11. You are requested to provide your offer latest by **15:00** hours on **08-Jan-2014** .

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

13. Training Clause (if any) **Hands on Training Required**

14. Testing/Installation Clause (if any) **Testing & Installation Required**

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,
Golapbag (North), Burdwan- 713104

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	Decade Inductance box	Decade inductance box ranges from 100mH to 10H, Steps 100mH
2	Force measurement set-up	<p>Built in power supply : DCsupply +/- 12V,500mA,Variable 7V to 14V@ 3Amp Built in function generator : O/P waveform- sine, triangular & square, TTL O/P freq. 1Hz to 200KHz in ranges with amplitude & freq. control pots, o/p voltage 10Vpp. Onboard measurement DC voltmeter 2V/20V (1 No) & LED BAR graph with 10 LED indicator to display 0-2.5V or 0-4V input. Computer interfaced through 25 pin parallel port [LPT port] optoisolated adaptor to prevent damage to PC parallel port (25 pin LPT) due to wrong connections. Interfaces through 25 pin M to F cable 1mtr Length. P4/XP not in scope of supply. Lab View based (optionally) executable to support virtual instrumentation with drivers supplied. 4ADCchannels : 0 to 2.5V full scale 1DACchannel : o/p 2.5Vfull scale Vto I Function block :Input: 0-2.5Vdc, Output: 0 - 20 or 4-20mA, upto max. 2Vdc Gnd compliance, USB converter to interface 25pinD connector onCIA panel to USB using PIC18F microcontroller 28 Pin SOIC enclosed in 25 PinDshell using Type A to mini B cable Force /Weight measurement using piezo transducer (0- 20 kgweighing scale sensor). QUANTITY 1 (ONE) Piezo electric transducer for impact measurement with attenuator and peak detector (Stand-alone Stand alone panel with built in power supply of Sensor Trainer , various test point) To conduct different experiment to draw characteristic input -output curve of Piezo sensors as dynamic force measurement, QUANTITY 1 (ONE)</p>
3	Instrumentation amplifier trainer	<p>Instrumentation amplifier circuit experiment panel (with banana tags) Operational Amplifier Circuit Experiment panel , (Provided with 56 banana tags.) Inverting amplifier, Non-inverting amplifier, Summing amplifier, Difference amplifier, Integrator circuit, Differentiator circuit, Precision rectifier: Half wave & full - wave,</p>

		Voltage to current converter, Current to voltage p- converter, Op- amplifier characteristics, Instrumentation amplifier, Schmitt trigger, Comparator, Sign Changer, Offset Null, Peak detector, Clipping circuit, Clamping circuits (DC restorer), Waveform Generator.
4	Moisture measurement set-up	Built in power supply : DC supply +/- 12V, 500mA, Variable 7V to 14V @ 3Amp Built in function generator : O/P waveform- sine, triangular & square, TTL O/P freq. 1Hz to 200KHz in ranges with amplitude & freq. control pots, o/p voltage 10Vpp. Onboard measurement DC voltmeter 2V/20V (1 No) & LED BAR graph with 10 LED indicator to display 0-2.5V or 0-4V input. Computer interfaced through 25 pin parallel port [LPT port] optoisolated adaptor to prevent damage to PC parallel port (25 pin LPT) due to wrong connections. Interfaces through 25 pin M to F cable 1mtr Length. P4/XP not in scope of supply. Lab View based (optionally) executable to support virtual instrumentation with rivers supplied. 4ADC channels : 0 to 2.5V full scale 1 DAC channel : o/p 2.5V full scale V to I Function block : Input: 0-2.5Vdc, Output: 0 - 20 or 4-20mA, upto max. 2Vdc Gnd compliance, USB converter to interface 25pin D connector on CIA panel to USB using PIC18F microcontroller 28 Pin SOIC enclosed in 25 Pin D shell using Type A to mini B cable Variation in Humidity and/or moisture is measured using Polymer hybrid sensors
5	Opto sensor Trainer	Light Sensing Transducers Incandescent lamp with variable intensity Light sensors : i) Photodiode with ii) Phototransistor with iii) Photo resistor/LDR with R to V converter using constant current source. iv) Photovoltaic cell / Solar cell v) Opto coupler, Laser diode, Infrared LED, Red LED stand alone panel with built in power supply of sensor trainer

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. _____

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: _____