

## INVITATION FOR QUOTATION

TEQIP-III/2018/gcej/Shopping/3

24-Jan-2018

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	Conversion of Galvanometer into Ammeter.	7	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	YES
2	Kelvin Double bridge	5	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	YES
3	LVDT Trainer Kit	7	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	YES
4	Maxwell's L/C Bridge	7	30	ELECTRICAL ENGG. DEPARTMENT GCET	YES

				CHAK BHALWAL, JAMMU	
5	Measurement & control of temperature using RTD.	7	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	YES
6	Measurement & control of temperature using Thermocouple.	7	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	YES
7	Measurement of intensity of light using LDR & Photocell,	7	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	YES
8	Object: To carry out. Measurement & control of temperature using Thermocouple.	7	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	YES
9	Schering Bridge	7	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	YES
10	Wheatstone Bridge	7	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	YES
11	Wien's Bridge	7	30	ELECTRICAL ENGG. DEPARTMENT GCET CHAK BHALWAL, JAMMU	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 **55** 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 **24** months from the date of successful acceptance of items.

11. You are requested to provide your offer latest by **17:00** hours on **08-Feb-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,  
chak bhalwal, jammu

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

(Authorized Signatory)

Name & Designation

#### **Annexure I**

<b>Sr. No</b>	<b>Item Name</b>	<b>Specifications</b>
1	Conversion of Galvanometer into	+ 5 DC at 50 m A, I.C. regulated power supply.Galvanometer 30-0-30, DC milli ammeter 0-50 mA. Potentiometer and other

	Ammeter.	electronic components. Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation, detailed operating instructions
2	Kelvin Double bridge	This trainer kit should be designed to study the working principle Values of unknown resistances. <ul style="list-style-type: none"> <li>• Four arms with one unknown arm to connect the unknown resistance.</li> <li>• Two range ion arms provided to the nearest range of unknown value.</li> <li>• Range of Measurement: 0.1? – 0.92?.</li> <li>• One digital Galvanometer provided to indicate the Balance conditions.</li> </ul> Technical Specification <ul style="list-style-type: none"> <li>• Input Voltage :15V DC Output Voltage :5V AC Output Current :1 Amps</li> </ul> Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave Forms, Strongly supported by lab manual/diagrammatic representation, detailed operating nstructions.
3	LVDT Trainer Kit	With inbuilt 2KHz excitation frequency, displacement up to 20mm, micrometer, center zero digital meter and other required meters, displacement signal for recording. Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation, detailed operating instructions.
4	Maxwell's L/C Bridge	± 12 VDC, I.C. Regulated Power supply, 1 KHz Sine wave Oscillator, Audio Amplifier and speakers for null detection, Five unknown values of capacitors and three unknown values of inductors ed by band switches, Two decade resistance in having resistance in steps . Potentiometer and adequate no. of other electronic components. Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on

		panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation, detailed operating instructions.
5	Measurement & control of temperature using RTD.	Object: To carry out. Measurement & control of temperature using RTD. Other Requirements are: 1)RTD probe immersion type, transducer range 0- 200 deg. Centigrade, measurement range 0- 70deg. Cent. 2. On/off type temperature set by pot. Over full range 1000W heater, temp. set control, present temp. Display control, 3 ½ digits digital meters. Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation, detailed operating instructions.
6	Measurement & control of temperature using Thermocouple.	Object: To carry out. Measurement & control of temperature using Thermocouple. Other Requirements are: 1),Transducer- Thermocouple sensor probe, immersion type, iron constantan probe range 0-400 deg. Centigrade, measurement range 0-70deg. Cent. 2. On/off type temperature set by pot. Over full range 1000W heater, temp. set control, present temp. display control, 3 ½ digits digital meters. Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation, detailed operating instructions.
7	Measurement of intensity of light using LDR & Photocell,	Object: To carry out measurement of intensity of light using LDR & Photocell. 1) Transducer type-LDR & photocell, 1megaohm, 10mV, LDR & Photocells conncted through EP socket, 200lux(Relative measurement), 3 ½ digit digital meters calibrated in lux. Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation,

		detailed operating instructions.
8	Object: To carry out. Measurement & control of temperature using Thermocouple.	Object: To measure Angular measurement using potentiometer transducer. Other Requirements are: 1) Excitation 5V DC , 110% of rated capacity, 0- 345 deg. Rotary movement, 3 ½ digit digital meters. Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation, detailed operating instructions.
9	Schering Bridge	To Measure the Value of Unknown Capacitance $\pm 12$ VDC at 100 mA, IC Regulated Power Supply internally connected. 1KHz Sine wave oscillator having output 0-15 Vpp . Measuring Range :- 0.001 micro farad to 10 micro farad. Audio amplifier and speaker for null detector. Three unknown value of capacitors able by a band switch. Potentiometer for balancing the bridge. Band switch to one from six different values of resistance. Adequate no. of other Electronic Components. Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation, detailed operating instructions.
10	Wheatstone Bridge	1 milliohm to 1.1 Mega ohm. Accuracy: 0.05% Other requirements: Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation, detailed operating instructions.
11	Wien's Bridge	P= Three decade resistance dials having the range $\times 100 \Omega \times 10 \Omega$ & $1 \Omega$ . Q= Three more decades of same value as in P. R= Two decade resistance dials having range $\times 10$ Kilo Ohm & 1 Kilo Ohm. C1= Two fixed standard capacitor having values 0.01 mfd & 0.2 mfd. C2= Four unknown capacitors. R2 = Two unknown resistances, n build AC supply frequency 1 KHz with head phone and 3 1/2 Digit digital null detector. Other requirements:

		Adequate number patch cords/connecting leads, Good quality, reliable terminal/sockets required at appropriate places on panel for connection/observations of wave forms, Strongly supported by lab manual/diagrammatic representation, detailed operating instructions.
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**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: \_\_\_\_\_