



Dibrugarh University Institute of Engineering & Technology,
Dibrugarh, Dibrugarh University, Dibrugarh, Assam- 786004., Assam

INVITATION LETTER

Package Code: TEQIP-III/AS/duie/35

Current Date: 22-Nov-2019

Package Name: DUIET/TEQIP28/BSC SCI/PHYSICS LAB

Method: Shopping Goods

To,

Sub: INVITATION LETTER FOR DUIET/TEQIP28/BSC SCI/PHYSICS LAB

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	Impedence Analyser (1 Unit)	1	Office of the Director, DUIET, Dibrugarh University, 786004	Yes
2	Hall Effect Apparatus(01 Unit)	1	Office of the Director, DUIET, Dibrugarh University, 786004	Yes
3	Faraday law apparatus (3 units)	3	Office of the Director, DUIET, Dibrugarh University, 786004	Yes
4	Micro Balance	1	Office of the Director, DUIET, Dibrugarh University, 786004	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.

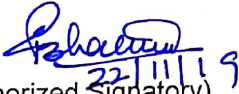
3. **Quotation**

- 3.1 The contract shall be for the full quantity as described above.
- 3.2 Corrections, if any, shall be made by crossing out, 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 with PAN/TAN and GST Certificate.
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:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation	45	90
Satisfactory Acceptance	45	10

10. Liquidated Damages will be applied as per the below:
Liquidated Damages Per Day Min %: 0.01
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 **Yes**.
12. You are requested to provide your offer latest by **12:00** hours on **09-Dec-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **Required**
15. Testing/Installation Clause (if any) **Required**
16. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
17. Sealed quotation to be submitted/ delivered at the address mentioned below, **Dibrugarh University Institute of Engineering & Technology, Dibrugarh, Dibrugarh University, Dibrugarh, Assam- 786004., Assam**
18. We look forward to receiving your quotation and thank you for your interest in this project.



(Authorized Signatory)

Name & Designation

Director
Dibrugarh University Institute
of
Engineering & Technology, DU

Annexure I

Sr. No	Item Name	Specifications
1	Impedence Analyser (1 Unit)	<p>Measurement modes: LCR mode, Analyzer mode (sweeps with measurement frequency and measurement level), continuous measurement mode. Measurement parameters : Z Impedance L, C, R –(Inductance , capacitance, Resistance) θ Phase angle D (tanδ) loss coefficient = tanδ(δ= delta) Q factor (Q = 1/D) Measurement range :100 mΩ to 100 MΩ, 12 Display ranges : Z, Y, Rs, Rp, Rdc, X, G, B, Ls, Lp, Cs, Cp : \pm(0.000000 [unit] to 9.999999G [unit] Absolute value display θ : \pm(0.000° to 999.999°) D : \pm(0.000000 to 9.999999) Q : \pm(0.00 to 99999.99) Δ % : \pm(0.0000% to 999.9999%) Measurement frequency :4Hz to 5MHz (10 mHz to 100 Hz steps) (5 digits setting resolution, minimum resolution 10mHz) Measurement signal level : Normal mode: V mode/CV mode: 5 mV to 5 Vrms (up to 1 MHz), 10 mV to 1 Vrms (1.0001 MHz to 5 MHz), CC mode: 10 μA to 50 mArms (up to 1 MHz), 10 μA to 10 mArms (1.0001 MHz to 5 MHz), Low impedance high accuracy mode: V mode/CV mode:5 mV to 1 Vrms (up to 100 kHz), 1 mVrms steps CC mode:10 μA to 100 mArms (100 mΩ and 1Ω ranges of up to 100 kHz), Output impedance: Normal mode: 100 Ω, Low impedance high accuracy mode: 10 Ω Display :5.7-inch color TFT Functions: DC bias Measurement, Comparator, BIN measurement, Panel γ bias for loading/saving, Memory function Interfaces : RS-232C, GP-IB, USB communication, USB memory, LAN Power supply: 90 to 264 V AC, 50/60 Hz, 150 VA max. Accessory : Power cord, Instruction manual, PC communication instruction manual (CD-R) 4-Terminal Probe Proper power cables and accessories Computer compatible with the instrument</p>
2	Hall Effect Apparatus(01 Unit)	<p>Hall Probes a.Hall Probe (Ge Crystal) Material: Ge single crystal n or p-type as desired Resistivity: 8-10Ω.cm Contacts: Spring type (solid silver) Zero-field potential: < 1mV (adjustable) Hall Voltage: 25-35mV/10mA/KG b.Hall Probe (InAs) Contacts: Soldered Rated Control Current: 4mA Zero Field Potential< 4 mV Linearity (0-20KG): \pm0.5% or better Hall Voltage: 60-70mV/4mA/KG Hall Effect Set-up (Digital) a. Digital Millivoltmeter SPECIFICATIONS Range: 0-200mV (100μV minimum) Accuracy: \pm0.1% of reading \pm1 digit b. Constant Current Power Supply Current: 0-20mA Resolution: 10μA Accuracy: \pm0.2% of the reading \pm1 digit Load regulation: 0.03% for 0 to full load Line regulation: 0.05% for 10% variation Electromagnet Field Intensity : 7.5KG at 10mm air-gap with flat pole pieces Pole Pieces : 50mm diameter Energising Coils : Two, each with a resistance of about 3.0Ω Power Requirement: 0-30Vdc, 4A, if coils are connected in series Constant Current Power Supply Current Range : Smoothly adjustable from 0–4A Load Regulation : 0.1% for load variation from 0 to max. Line Regulation : 0.1% for \pm10% mains variation Display : 3½ digit, 7 segment LED DPM Digital Gaussmeter Range : 0-2KG & 0-20KG Resolution : 1G at 0-2KG range Accuracy : \pm0.5% Temperature Upto 50oC Display : 3½ digit, 7 segment LED DPM with auto polarity and over flow indication Power : 220V \pm10%, 50Hz Transducer : Hall Probe – InAs Should Indicate the direction of the magnetic field Proper power cables and accessories</p>

3	Faraday law apparatus (3 units)	Faraday's law setup with 1. Acrylic block with 1" slot, 2 ³ / ₄ " × 3 ³ / ₄ " × ½ " 2. Bar Manet (Al Ni Co) 3. Magnetic wire coil 100 turns, Magnetic wire coil 300 turns, Magnetic wire coil 1000 turns 4. Low current ammeter(0-15 mAmp) 5. Proper power cables and accessories
4	Micro Balance	Maximum capacity: 120 gm, Readability: 0.1 mg, Readability fine range 0.01 mg, Repeatability: at nominal load 0.08 mg, fine range (at nominal load) 0.03 mg, fine range (at low load) 0.02 mg (20 mg) Linearity deviation: 0.15 mg, Linearity deviation (within 10 g) 0.02 m, Minimum sample weight : (U=1 %, k=2) 3 mg, Settling time 4 s

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							

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. _____

Gross Total Cost (A+B): Rs. _____ (Amount in figures)