



Institute of Engineering & Technology, Lucknow, Sitapur Road, Lucknow,
Uttar Pradesh - 226021

INVITATION LETTER

Package Code: TEQIP-III/2019/UP/ietl/291

IET/TEQIP-III/2019-232-I
Current Date: 06-Jul-2019

Package Name: IET-TEQIP-EED-LAB-fabrication

Method: Shopping Goods

Sub: INVITATION LETTER FOR IET-TEQIP-EED-LAB-fabrication

Dear Sir,

- 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	TRANSFORMER DESIGN & FABRICATION	1	Institute of Engineering and Technology, Lucknow	
2	SMALL POWER SUPPLY DESIGN & FABRICATION	1	Institute of Engineering and Technology, Lucknow	
3	FILTER DESIGN & FABRICATION	1	Institute of Engineering and Technology, Lucknow	
4	CONTROLLER DESIGN & FABRICATION	1	Institute of Engineering and Technology, Lucknow	
5	INDUCTOR DESIGN & FABRICATION	1	Institute of Engineering and Technology, Lucknow	
6	DESIGN & FABRICATION OF HIGH POWER FACTOR CONTROLLED RECTIFIER	1	Institute of Engineering and Technology, Lucknow	

7	DESIGN & FABRICATION OF MICROCONTROLLER BASED DIGITAL ENERGY METERS/SENSORS	1	Institute of Engineering and Technology, Lucknow	
8	DESIGN & FABRICATION OF POWER AMPLIFIER	1	Institute of Engineering and Technology, Lucknow	
9	DESIGN & FABRICATION OF AC PHASE CONVERTER AND ITS FIRING CIRCUIT	1	Institute of Engineering and Technology, Lucknow	
10	DESIGN AND FABRICATION OF IGBT BASED SINGLE PHASE INVERTER	1	Institute of Engineering and Technology, Lucknow	
11	DESIGN AND FABRICATION OF CHOPPER	1	Institute of Engineering and Technology, Lucknow	

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 60days 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:
- Satisfactory Delivery & Installation and Acceptance - 100% of total cost**
10. Liquidated Damages will be applied as per the below:
Liquidated Damages Per Day Min % :0.50
Liquidated Damages Max % : 10
11. All supplied items are under warranty of 12 months from the date of successful acceptance of items and AMC/Others is .
12. You are requested to provide your offer latest by 14:00 hours on 22-Jul-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: 5%
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
Institute of Engineering & Technology, Lucknow, Sitapur Road, Lucknow, Uttar
Pradesh - 226021
19. We look forward to receiving your quotation and thank you for your interest in this project.



(Authorized Signatory)

Name & Designation
COORDINATOR
TEQIP PHASE-III
Institute of Engineering &
Technology, Lucknow-21

Annexure I

Sr. No	Item Name	Specifications
1	TRANSFORMER DESIGN & FABRICATION	<ul style="list-style-type: none"><input type="checkbox"/> Transformer winding machine<input type="checkbox"/> Core (Stamping), Bobbins & Clamp<input type="checkbox"/> Insulating sheet, tape and sleeve<input type="checkbox"/> Winding wires<input type="checkbox"/> Bakelite sheet for terminal plate<input type="checkbox"/> Terminals<input type="checkbox"/> Testing panel including wattmeter, voltmeter, ammeter, bulb and holder<input type="checkbox"/> Tool kit
2	SMALL POWER SUPPLY DESIGN & FABRICATION	<ul style="list-style-type: none"><input type="checkbox"/> AC Supply 18V (9-0-9)<input type="checkbox"/> PN Junction diodes<input type="checkbox"/> Zener Diode<input type="checkbox"/> Multimeter<input type="checkbox"/> Different type of capacitors<input type="checkbox"/> Different type of IC for Regulated<input type="checkbox"/> Glass fuse for short circuit protection<input type="checkbox"/> ON/OFF switch with indication light<input type="checkbox"/> Patch cords suitable to the terminals with board for easy interconnection<input type="checkbox"/> All above accessories will be fitted on bakelite sheet fixed on box
3	FILTER DESIGN & FABRICATION	<ul style="list-style-type: none"><input type="checkbox"/> AC Supply 18V (9-0-9)<input type="checkbox"/> Bridge rectifier for dc rectification<input type="checkbox"/> Different types of resistors<input type="checkbox"/> Different type of capacitors<input type="checkbox"/> Different type of inductors<input type="checkbox"/> Glass fuse for short circuit protection<input type="checkbox"/> ON/OFF switch with indication light<input type="checkbox"/> Patch cords suitable to the terminals with board for easy interconnection<input type="checkbox"/> All above accessories will be fitted on bakelite sheet fixed on box
4	CONTROLLER DESIGN & FABRICATION	<ul style="list-style-type: none"><input type="checkbox"/> AC Supply Source<input type="checkbox"/> Different types of resistors<input type="checkbox"/> Different type of capacitors<input type="checkbox"/> IC-741(8 Nos)<input type="checkbox"/> 10:1 Resistive Attenuator<input type="checkbox"/> External load (Bulb)<input type="checkbox"/> Glass fuse for short circuit protection<input type="checkbox"/> ON/OFF switch with indication light<input type="checkbox"/> Patch cords suitable to the terminals with board for easy interconnection<input type="checkbox"/> All above accessories will be fitted on bakelite

		sheet fixed on box <input type="checkbox"/> Small fan Motor
5	INDUCTOR DESIGN & FABRICATION	<input type="checkbox"/> Winding Machine <input type="checkbox"/> Ferrite core (Stamping), Bobbins & Clamp <input type="checkbox"/> Insulating sheet, tape and sleeve <input type="checkbox"/> Winding wire <input type="checkbox"/> Bakelite sheet for terminal plate <input type="checkbox"/> Multimeter for inductance measurement <input type="checkbox"/> Terminals <input type="checkbox"/> Tool kit
6	DESIGN & FABRICATION OF HIGH POWER FACTOR CONTROLLED RECTIFIER	<input type="checkbox"/> AC Supply <input type="checkbox"/> Tubular Rheostat (2Nos) <input type="checkbox"/> SCR (4 Nos) <input type="checkbox"/> Isolated firing pulse (4Nos) <input type="checkbox"/> Capacitors <input type="checkbox"/> Inductor <input type="checkbox"/> Power factor meter <input type="checkbox"/> Glass fuse for short circuit protection <input type="checkbox"/> ON/OFF switch with indication light <input type="checkbox"/> Patch cords suitable to the terminals with board for easy interconnection <input type="checkbox"/> All above accessories will be fitted on bakelite sheet fixed on box
7	DESIGN & FABRICATION OF MICROCONTROLLER BASED DIGITAL ENERGY METERS/SENSORS	<input type="checkbox"/> Microcontroller (Atmega328P) <input type="checkbox"/> 16*2 LCD <input type="checkbox"/> Crystal Oscillator(16MHz) <input type="checkbox"/> Resistors, Capacitors, Diodes <input type="checkbox"/> Transformer <input type="checkbox"/> Current Sensor (ACS712CTR) <input type="checkbox"/> Energy Meter <input type="checkbox"/> Relay Module <input type="checkbox"/> Glass fuse for short circuit protection <input type="checkbox"/> ON/OFF switch with indication light <input type="checkbox"/> Patch cords suitable to the terminals with board for easy interconnection <input type="checkbox"/> All above accessories will be fitted on bakelite sheet fixed on box
8	DESIGN & FABRICATION OF POWER AMPLIFIER	<input type="checkbox"/> DC Supply (+6V & -6V) <input type="checkbox"/> IC LM-386 <input type="checkbox"/> MIC (1 No.) <input type="checkbox"/> 8 Ohm Speaker <input type="checkbox"/> Different types of resistor <input type="checkbox"/> Potentiometers (1 No.) <input type="checkbox"/> Different types of capacitors <input type="checkbox"/> Transistors NPN type – 2 Nos <input type="checkbox"/> Glass fuse for short circuit protection <input type="checkbox"/> ON/OFF switch with indication light <input type="checkbox"/> Patch cords suitable to the terminals with board

9	DESIGN & FABRICATION OF AC PHASE CONVERTER AND ITS FIRING CIRCUIT	<p>for easy interconnection</p> <p>All above accessories will be fitted on bakelite sheet fixed on box</p> <ul style="list-style-type: none"> <input type="checkbox"/> Isolated power supply (220VAC, 50Hz) <input type="checkbox"/> IC TCA-785 <input type="checkbox"/> Pulse Transformer (2 Nos.) <input type="checkbox"/> Different types of resistor <input type="checkbox"/> Potentiometer (2 Nos) <input type="checkbox"/> Different types of capacitors <input type="checkbox"/> 10:1 Resistive Attenuator <input type="checkbox"/> PN Junction Diode <input type="checkbox"/> External load (Bulb) <input type="checkbox"/> Glass fuse for short circuit protection <input type="checkbox"/> ON/OFF switch with indication light <input type="checkbox"/> Patch cords suitable to the terminals with board for easy interconnection <input type="checkbox"/> All above accessories will be fitted on bakelite sheet fixed on box
10	DESIGN AND FABRICATION OF IGBT BASED SINGLE PHASE INVERTER	<ul style="list-style-type: none"> <input type="checkbox"/> DC Supply (12V) <input type="checkbox"/> IC-SG3525 <input type="checkbox"/> IGBT (2Nos) <input type="checkbox"/> 12-0-12 Transformer <input type="checkbox"/> Different types of resistors <input type="checkbox"/> Different type of capacitors <input type="checkbox"/> 10:1 Resistive Attenuator <input type="checkbox"/> External load <input type="checkbox"/> Glass fuse for short circuit protection <input type="checkbox"/> ON/OFF switch with indication light <input type="checkbox"/> Patch cords suitable to the terminals with board for easy interconnection <p>All above accessories will be fitted on bakelite sheet fixed on box</p>
11	DESIGN AND FABRICATION OF CHOPPER	<ul style="list-style-type: none"> <input type="checkbox"/> DC Supply (24V) <input type="checkbox"/> Isolated firing pulse and test point (1 No.) <input type="checkbox"/> MOSFET (2 No.) <input type="checkbox"/> Diodes (4 Nos.) <input type="checkbox"/> Different types of resistors <input type="checkbox"/> Different type of capacitors <input type="checkbox"/> Inductor <input type="checkbox"/> 10:1 Resistive Attenuator <input type="checkbox"/> Glass fuse for short circuit protection <input type="checkbox"/> ON/OFF switch with indication light <input type="checkbox"/> Patch cords suitable to the terminals with board for easy interconnection <input type="checkbox"/> All above accessories will be fitted on bakelite sheet fixed on box

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. _____