



NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI-620 015
INVITATION FOR QUOTATION

TEQIP-III/2017/NITT/Shopping/27

01-Nov-2017

To,

Address (Firm)

Sub: Invitation for Quotations for supply of Auto Transformer and Load Box.

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,

| Sl. No | Brief Description | Quantity | Delivery Period (In days) | Place of Delivery | Installation Requirement (if any) |
|---------------|--------------------------------------|-----------------|----------------------------------|---|--|
| 1 | Auto Transformer and Load Box | 1 | 60 | Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli | Installation to be done in the Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, Tamil Nadu |

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 **45** 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, Installation & Satisfactory Acceptance - 100% of total cost
10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **15:00** hours on **30-November-2017**.
12. **Opening time : 30-November-2017 16:00 hours at TEQIP Office, Administrative Building, NIT Trichy**
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **NA**.

15. Testing/Installation Clause (if any) **100% payment after delivery and successful installation at Department of Electrical and Electronics Engineering, NIT, Tiruchirappalli - 620 015, Tamil Nadu**

16. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

17. **Sealed Quotations to be submitted at the following address:**

The Head of Department
Dept. of Electrical and Electronics Engineering
National Institute of Technology
Tiruchirappalli – 620 015.

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

Note: The cover should be duly superscribed with the following details.

- (1) Quotation Reference Number (2) Quotation for the supply of
- (3) Date of opening

(Dr. K. Sundareswaran)

HoD /EEE

Annexure I

| Sl. No | Item Name | Specifications |
|----------|--------------------------------------|---|
| 1 | Auto Transformer and Load Box | <p><u>THREE PHASE AUTO TRANSFORMER.</u></p> <p>The Three Phase transformer should be of variable output (autotransformer-like) isolation type. The secondary shall be wound over the primary with suitable insulation between them. The secondary output shall be tapped by means of a brush arm moving on it. Brushes for the three phase windings shall be made to move in tandem by means of a common arm. The general overall size shall not exceed 600 mm (height) X 300 mm (width) X 300 mm (depth). The mechanical arrangement shall be such that the rotating shaft (at the user end) shall be horizontal.</p> <ul style="list-style-type: none"> • Power Rating : 5 kVA • Type : Dry type, isolation auto- transformer with Continuously variable output by means of tapping. • Input Voltage : 3 phase, 4 wire, 415±10% V • Output Voltage : 3 phase, 4 wire, 0-440V • Frequency : 50±5%Hz • Insulation : Class F with temperature rise limited to Class B • Winding Connections :Star/Star • Terminal : Input : RYBN terminals marked Output : RYBN terminals marked • Termination : Banana Socket, 15A rated • Temperature rise : Within Class B limits • Cooling : Natural Air Cooled • Protection : IP23 • Enclosure : TEFC |

Load Box

The load box is a Three phase resistor bank. The resistance each phase is variable by a switch, ganged together for simultaneous variation is in each phase. The general overall size shall not exceed six hundred mm (Height)X300 mm(Width)X300 mm (Depth).

- Element Type : Non Inductively wound resistors
- Phase : 3 Phase
- Frequency : $50 \pm 5\%$ Hz
- Power Rating : 5 kW
- Voltage : $415 \pm 10\%$ V
- No. of steps in each phase : 10
- Terminations : Banana Socket, 20 A rated
- Cooling : Forced air with fan drawing ambient air from outside. The load box shall have six terminations, two for each phase. The wiring must be suitably heat resistant and done such that between each pair of terminals, the effective resistance must vary in five steps by the action of the switch. The maximum power dissipated by the box when connected in three phase star manner shall be 5 KW. The ganged switch shall also ganged switch shall be guaranteed for at least 16000 operations.

The terminals and the selector switch of the load box shall be brought on the terminal area of the workbench.

The application of rheostats is in the field circuits of motors or generators for the control of speed or voltage, or in control circuits. The rheostat can adjust generator characteristics, dim lights, and start or control the speed of motors.

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: _____