

INVITATION FOR QUOTATION

TEQIP-II/2015/GJ1G07/Shopping/81

16-Jun-2015

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 | Instrumentation Lab | 5 | 90 | GOVERNMENT ENGINEERING COLLEGE, SECTOER- 28,GANDHINAGAR, GUJARAT, PIN-382028 | 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 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 **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 - 0% of total cost

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 **08-Jul-2015** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Training and demonstration should be provided as per the requirements after successful installation at the institute.**
14. Testing/Installation Clause (if any) **SUCCESSFUL INSTALLATION & SATISFACTORY PERFORMANCE.**
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,
Government Engineering College Nr. Animal Vaccine Institute Sector-28 Gandhinagar
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 | Instrumentation Lab | <p>Standalone trainer should be provided with minimum following input, output transducers and signal conditioning circuitry with front panel layouts.</p> <ol style="list-style-type: none"> 1. Built in DC power supply: $\pm 5V$ & $\pm 12V$ regulated power supply to perform experiment 2. Air compressor: In built air compressor compatible with kit along with ON/OFF facility 3. Digital Multimeter with USB interface <p>4. Input Transducer Specifications:</p> <p>A. Temperature sensors: Thermistor (NTC type), RTD (Pt 100 type) and Thermocouple (J or K type) measuring range of 100 °C and higher.</p> |

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| | | <p>B. Position sensor: a) Slide potentiometer with mechanical travel of at least 5 cm and resistance range of $10 \pm 2 \text{ K}\Omega$, b) Wire wound and precision rotary potentiometers with Mechanical rotation of at least 270 degrees with measurable resistance range of $10 \pm 1 \text{ K}\Omega$, c) Carbon track potentiometer of resistance range of $90 \text{ K}\Omega$ to $120 \text{ K}\Omega$, Mechanical rotation greater than or equal to 300 degree.</p> <p>C. Light sensors: Photoconductive cell with cell resistance $\geq 2 \text{ k}\Omega$ or better, photovoltaic Cell, phototransistor</p> <p>D. Servo mechanism unit comprising DC motor, tachogenerator, slotted and reflective opto-sensors for incremental and absolute position sensing</p> <p>E. Linear Variable Differential Transformer – minimum 12mm +/- 1 mm of mechanical travel, output voltage in balance condition should be less than 10mV</p> <p>F. Inductive Proximity Sensor- sensing range at least 2mm</p> <p>G. Strain Gauge- Bonded type with capacity of at least 100 gram</p> <p>H. Techo-generator- sensing range minimum 250 RPM or better</p> <p>I. Hall effect sensor with output greater than or equal to 1V</p> <p>J. Airflow sensor with open impedance</p> <p>K. Air Pressure sensor with minimum sensitivity of $200 \mu\text{V/kPa}$</p> <p>L. Humidity Sensor- Sensing range minimum %RH to 85% RH</p> <p>M. Ultrasonic Receiver with peak resonance above audible range(matching with Tx)</p> <p>5. Output Device Specifications:</p> <p>A. Relay with NO & NC contact</p> <p>B. Heater- minimum 40 W</p> <p>C. Solenoid Valve with coil operating on 12 V supply</p> <p>D. Buzzer with audible range</p> <p>E. 12 V DC motor with shaft speed of minimum 300 RPM</p> <p>F. Counter/ timer with display</p> <p>G. Voltmeter with suitable range for experiments</p> <p>H. Ultrasonic Transmitter with peak resonance above audible range (matching with Rx)</p> <p>I. Filament Lamp with minimum 1W capacity with rated voltage of 12V</p> <p>6. Signal conditioning Circuits:</p> <p>A. Amplifiers: Current, Differential, Summing and Instrumentation</p> |
|--|--|---|

| | |
|--|--|
| | <p>amplifier with gain adjustment</p> <p>B. Inverters, Buffers and Comparators</p> <p>C. Sample and Hold circuit</p> <p>D. Converters: I to V, V to I, V to F, F to V</p> <p>E. Low pass filter</p> <p>F. Full wave rectifier</p> <p>G. Power Amplifier</p> <p>H. Oscillator with 30 KHz or above range</p> <p>I. Integrator and Differentiator with switchable time constant</p> <p>J. Circuitry to provide PID control</p> <p>7. Standard Accessories: Detailed Instruction, Circuit diagram, experimental manual, connecting probes and other mandatory accessories to complete experimental set up requirement of the unit.</p> |
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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) |
| | | | | | | | |
| 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: _____