

INVITATION FOR QUOTATION

TEQIP-II/2015/GJ1G07/Shopping/94

28-Sep-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	Electronics Workbench	14	60	GOVERNMENT ENGINEERING COLLEGE, SECTOR-28, GANDHINAGAR	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 **18** months from the date of successful acceptance of items.

11. You are requested to provide your offer latest by **15:00** hours on **19-Oct-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 INSPECTION.**

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	Electronics Workbench	AS PER ANNEXURE

Annexure Electronic Workbench (Specification)

This workbench should be equipped with following instruments with 4 Nos. of 5A and 1 no. of 15A, 230V AC Power plug and 2 drawers to put components and probes and other required accessories. This workbench consisting of instrument Panel and working are made up of antistatic material. It must have ergonomically designed instrument panel in vertical position and with sufficient work area for working. Wheel (with locking mechanism) must be provided at all the four leg of work station so that it can be easily moved. At a time at least 1 and maximum 2 students should work on this.

(1) Digital Storage Oscilloscope

- 1 Bandwidth: Minimum 70 MHz
- 2 No. of channels: Minimum 2 or more
- 3 Record length: Minimum 2 Kpoints per channels
- 4 Sample rate: Minimum 1 GSample/sec per channel
- 5 Time base range: Minimum 5 ns/div to maximum 50s/div or better
- 6 Automated measurements (minimum 16 acceptable among the below mentioned): Voltage & Time Measurements include: Period, Frequency, Delay, Rise Time, Fall Time, Positive Duty Cycle, Negative Duty Cycle, Positive Pulse Width, Negative Pulse Width, Burst Width, Phase, Positive Overshoot, Negative Overshoot, Peak to Peak, Amplitude, High, Low, Max, Min, Mean, Cycle Mean,

RMS, Cycle RMS, Positive Pulse Count/ Rising Edge Count, Negative Pulse Count/ Falling Edge Count, Area and Cycle Area etc.

- 7 FFT facility should be available.
- 8 Lab Experiments Software through computer should be available
- 9 Software features: Data Collection and Report Generation facility should be available
- 10 Internal Memory: Optional
- 11 Display size: Minimum 5.5 inches LED/TFT color display or better
- 12 USB support: necessary
- 13 Waveform Storage Facility: Pen drive/SD Card or in any format.
14. Accessories: BNC to Crocodile cable per channel, User manual, Calibration certificate shall be provided

(2) Arbitrary Function Generator

1. No. of output channels: Minimum 02
2. Waveform: Sine, Square, Pulse, Ramp, Arbitrary etc.
3. Frequency
 - Sine -Minimum 1 μ Hz to Minimum 20 MHz
 - Square, pulse – Minimum 1 μ Hz to Minimum 10 MHz or more
 - Pulse Width – Minimum 20 ns or better
 - Other waveform –
 - DC Offset (into 50 Ω /60 Ω) – -5V to +5V
4. Ramp/ Triangle: 1 MHz or better
5. Arbitrary Waveform: Sample rate Minimum 100 MSample/sec; Resolution 10 bit or higher
6. Amplitude into 50 Ω /60 Ω : Minimum 10 mVp-p to minimum 10 Vp-p
7. Available units: Vp-p, V_{RMS}
8. O/P impedance: 50 Ω /60 Ω
9. Modulation: AM, FM, FSK
 - Source: Internal/external
10. Sweep: Linear or Logarithmic
 - Sweep time: 10 ms to 400 sec or better
11. Burst: Manual or Internal or External
12. Auxiliary Modulation i/p channel: dual channel, DC to Minimum 20 kHz
13. Power Source: 230 V, 1- Φ , 50 Hz compatible at GECG-Sec-28.
14. Display: Minimum 3 inch TFT/LED/LCD
15. Waveform generation: Arbitrary waveforms shall be possible to generate from Laptop/ PC /CRO/DSO/MSO.
16. Accessories: BNC to BNC cable per channel, User manual, Calibration certificate shall be provided

(3) Dual Channel DC Power Supply

DC Output Range: 0 - minimum 30 V, minimum 3 A Coarse and Fine controls

Output type: Dual Output

Current limit Range: 0 – minimum 3 A adjustable between 0 - 30 V for both channel

Display: Minimum 3 Digit LED/LCD Display

Resolution: Voltage: 100 mV, Current: 10 mA

Load Regulation : \pm (0.05 % + 10 mV) or better

Line Regulation : \pm (0.05% +10 mV) or better

Ripple & Noise: max 1 mV $_{RMS}$

Display: 3 digit for Voltage & 3 digit for Current LED/LCD indication for Voltage & Current

Accuracy: \pm (1 % + 1 digit) or better

Over Range Indication: Should be available

Features: Automatic Overload Current Protection for both channel

Accessories: Mains cord, Learning material in hard and soft copy

(4) 3.5 Digit Digital Multimeter

- 1 DC Voltage Range: Min 5V to min 700V with minimum 1% accuracy
- 2 AC Voltage Range: Min 5V to min 700V with minimum 1% accuracy
- 3 DC Current Range: Min 700 μ A to min 10A with minimum 2 % accuracy
- 4 AC Current Range: Min 700 μ A to min 6A with minimum 2 % accuracy
- 5 AC & DC mV range: Available
- 6 Frequency: Min 50Hz to Min 10 kHz
- 7 Capacitance: (Min 50nF to Min 400 μ F) or (Min 1 μ F to Min 10 mF)
- 8 Display (LCD): Min 1999 counts
- 9 Safety: CAT-III 300 V rating or better or equivalent
- 10 Other Important Features: Fuse protection, Diode test, Continuity test, Overvoltage Indicator
- 11 Accessories: Test leads with caps, Battery, user's manual, Calibration certification

(5) Soldering Station

1. Temperature range up to 400 °C
2. 60 W power output or higher
3. On/off switch with "power-on" indicator light.
4. Input voltage: 230 VAC, 50 Hz, +/- 10 %, Equipment Mounting is incorporated in the bench along with power supply
5. It should be temperature controlled.

Note: If the bidder is dealer/distributor/channel partner, bidder should provide Authorization certificate on the letter head of Manufacturer along with tender documents. Otherwise Quotation shall be rejected.

Better specifications for above instruments are acceptable.

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: _____