



Government College of Engineering

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INVITATION FOR QUOTATION

TEQIP-III/2018/geau/Shopping/47

12-Dec-2018

To,
GECA Notice Board /GECA Web Site

Sub: Invitation for Quotations for supply of Goods

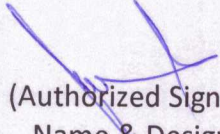
Dear Sir,

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	Motorised Antenna Unit	1	30	Govt. Collage of Engineering, Station road, Osmanpura, Aurangabad	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, 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 - 90% of total cost
Satisfactory Acceptance - 10% 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 **16:00** hours on ~~26-Dec-2018~~.
12. Detailed specifications of the items are at Annexure I. **03-Jan-2019**
13. Training Clause (if any) **1 Day Training For Faculty members**
14. Testing/Installation Clause (if any) **AS per satisfaction of Expert faculty member**
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, Principal, Government Collage of Engineering, Station Road, Osmanpura, Aurangabad, 431005. Quotation should subscribed as Quotation for TEQIP Dept. No. **TEQIP-III/2018/geau/Shopping/47** Date : **12-Dec-2018**
Due Date: 26.12.2018 03-Jan-2019
17. We look forward to receiving your quotation and thank you for your interest in this project.


(Authorized Signatory)
Name & Designation

Annexure

Sr. No.	Detail Specification	Qty
01	<p>Antenna Trainer kit :-</p> <p>Wideband frequency coverage up to 3.2 GHz with post upgrades facility. System consists of a RF source-detector, antenna mount assembly, and radiation pattern plotting software along with a very well-built non metallic, non ferrous Transmitter and Receiver stand. 4.5 Kg stepper motor mechanical assembly required to rotate Heavy antennas or other devices smoothly.</p> <p>RF-Generator: Based on voltage controlled oscillator (VCO). Wide range of generated frequencies: from 600MHz to S band. Frequency tuning through the computer (PC). Frequency displayed on the computer (PC). 50 Ω of nominal impedance.</p> <p>SWR-Meter: Frequency range: 600 MHz to 2.5GHz. Insertion loss \geq 0.1dB. SWR measurement displayed on the computer (PC). 50 Ω of nominal impedance. SMA connector to transmitter antenna</p> <p>Stepper Motor Controller: (included in the Control Interface Box) This controller allows the full-automatic 360° rotation of the transmitter antenna</p> <p>Spectrum Analyzer: (included in the Control Interface Box) Frequency range: 50 MHz to S band GHz. Typically level range: -40 dBm to +23 dBm. Accuracy of +/- 0.18 dB at measurement lower than +18 dBm. Standing wave ratio lower than 1.2:1. Gain and offset self-calibration. 50 Ω of nominal impedance. SMA connector to receiver antenna. Frequency and power signal measurement from the computer (PC).</p> <p>RCS measurements has an azimuth-over-horizon rotator capable of $\pm 180^\circ$ azimuth rotation and $\pm 20^\circ$ elevation rotation. The rotation can either be continuous at four different rates or in discrete steps of 1' of arc. Furthermore, the positioner for antenna radiation pattern measurement has a polarisation-over-elevation-over azimuth rotator capable of $\pm 180^\circ$ in both the polarisation and azimuth planes, and $\pm 20^\circ$ in the elevation plane. The rotation can either be continuous at four different rates or in discrete steps of 0.1'. Both are able to support measurement load up to 10 kg in weight and have positioning accuracy of 1'.</p> <p>Antennas include wire type, aperture type ,Microstrip type, reflector type, and array type .8 element feeder for array antenna experimentation. 175 mm/4.5kg/non metallic Turn table / scan table to rotate additional radiating component like phantom body ,mobile phone, WSN node .exclusive GUI scan table mode required to acquire real time data . Wideband Pre Amplifier facility to for Low SNR signal pattern Measurement. Theta and Phi plane pattern extraction and comparison facility .Front panel as well as computer controlled environment for</p>	01

experimentation .Student prototype antenna pattern measurement facility
Radiation pattern plot storage, retrieval, comparison and print facility
.GUI covers co polarization, Xpd ,f/b, null ,directivity in both theta and phi plane .

Antenna list – H Horn ,open ended waveguide, Axial mode Helix
.Planner dipole with quarter-wave feed , RMSA ,TMSA , CMSA,
planner array , corner reflector , circular reflector , one dimensional 8
element feed reflector array , yagi, log spiral, log periodic, polarized
patch antenna(left and right), phase array antenna, Annular ring ,
External Reconfigurable antenna (all kind of antennas)

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: _____