



# Government College of Engineering

Station Road, Osmanpura, Aurangabad – 431 005

*“In Pursuit of Global Competitiveness”*

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## INVITATION FOR QUOTATION

TEQIP-II/2016/MH2G07/Shopping/249

18-Nov-2016

To,

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	Vector Network Analysis	1	30	Government College of Engineering, Station road, 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 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 quotation 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**

**30 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 **03-Dec-2016**.
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **3 Days Training For Departmental Faculty Member**
14. Testing/Installation Clause (if any) **As per Satisfaction of Expert Faculty Member**
15. Information brochures/ Product catalogue must be accompanied with the quotation clearly indicating the model quoted for and all details of Products.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,  
The Principal, Government College Of Engineering, Railway Station Road, Osmanpura Aurangabad. Maharashtra, India 431005 . Quotation should be Subscribed as **TEQIP-II/2016/ MH2G07 /Shopping/249 Dt. 18-Nov-2016**  
**Due Date 03.12.2016 GECA Package No.E&TC\_31**
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	Vector Network Analysis	<p><b>Spectrum Analyzer</b>                      Frequency Range :9 kHz to minimum 25 GHz and above, usable to 5 kHz                      Frequency Reference Accuracy :± 2 ppm                      Resolution Bandwidth :                          <b>Zero span:</b> 10 Hz to 5 MHz                          <b>Non-zero span:</b> 1Hz to 5MHz                      Selectivity (-60 dB/ -3 dB) :4:01                      Video Bandwidth : 1Hz to 5MHz                      Stability (Phase noise) at CF = 1 GHz :                      10 kHz offset: -111 dBc/Hz ( typical)                      30 kHz offset: -108 dBc/Hz, (typical)                      100 kHz offset: -104 dBc/Hz, (typical)                      1 MHz offset: -113 dBc/Hz, (typical)                      Trace Points : 101, 201, 401, 601, 801, 1001                      Amplitude Measurement Range :Displayed average noise level (DANL) to +20 dBm                      Input Attenuator Range :0 to 30 dB                      Maximum safe Input Amplitude :+27 dBm                      Displayed Avg Noise Level :-133 dBm with pre-amp off @&lt; 7GHz-149 dBm with pre-amp on @&lt; 7GHz                      Total Amplitude Accuracy :± 0.6 dB typical                      Reference Level Range :-170 dBm to +30 dBm                      Second Harmonic Distortion :&lt; -80 dBc, +50 dBm SHI (nominal)                      Residual Responses :-110 dBm (nominal)                      Traces : 4 traces, data/max/average/min                      Detectors : Normal, positive peak, negative peak, sample, average                      Markers :  <b>Marker types:</b> Normal, noise marker, delta, band power  <b>Number of markers or delta markers:</b> 6  <b>Marker functions:</b> Peak, next peak, peak left, peak right, marker to center, minimum search  <b>Marker Table</b>  <b>Tune: AM/FM</b>  <b>General Specifications</b>                      Connector Type : 3.5mm (f) , 50 Ω                      Display : 6.5” transfective, color VGA LED backlit 640 x 480 with anti-glare coating Adaptive display based on ambient light conditions like outdoor sun, outdoor dusk, night vision etc.                      Speakers :Built in speakers and 3.5mm headphone out                      Interface : 2 x USB 2.0; 1 x mini USB; 1 x LAN, 1 x mini SD slot                      Remote Software : Yes , available                      EMC Field strength immunity :10 V/m @&lt;26.5 GHz                      Internal Memory : minimum 4GB, up to 1000 traces                      Save Formats :State, State+Trace, Picture, .csv                      Environmental :Operating temperature: -10 °C to +55°C                      Humidity: 95% at 40 °C                      Mil Standard :MIL-STD-810G  <b>Cable Antenna Tester</b>                      Frequency Range :30KHz to minimum 25GHz and Above                      Frequency Reference Accuracy :± 2 ppm                      Measurement Points : 101, 201, 401, 601, 801, 1001, 1601, 4001, 10001                      Directivity :&gt; 40dB                      Output Power Range                      High Power: &gt; -2 dBm @ 1 GHz to 9GHz                          &gt; -6dBm @ 9 to 18GHz                          &gt; -12dBm @ 18 to 26.5GHz                      Low Power: &lt; -45 dBm @ &gt; 300 kHz to 26.5 GHz                      Measurement :</p>

		<p>-Distance-to-fault (dB)          -Return loss          -VSWR          -Distance-to-fault &amp; Return Loss combine          -Cable loss (1-port)          - insertion loss(2-port)          -distance-to-fault (linear or Rho)          Immunity to Interference :+16 dBm (nominal)          Maximum safe input Level:+27 dBm outdoor sun, outdoor dusk, night vision etc.          Speakers :Built in speakers and 3.5mm headphone out          Interface : 2 x USB 2.0; 1 x mini USB; 1 x LAN, 1 x mini SD slot          Remote Software : Yes , available          EMC Field strength immunity :10 V/m @&lt;26.5 GHz          Internal Memory : minimum 4GB, up to 1000 traces          Save Formats :State, State+Trace, Picture, .csv          Environmental :Operating temperature: -10 °C to +55°C          Humidity: 95% at 40 °C          Mil Standard :MIL-STD-810G</p> <p><b>Cable Antenna Tester</b>          Frequency Range :30KHz to minimum 25GHz and Above          Frequency Reference Accuracy :± 2 ppm          Measurement Points : 101, 201, 401, 601, 801, 1001, 1601, 4001, 10001          Directivity :&gt; 40dB          Output Power Range          High Power: &gt; -2 dBm @ 1 GHz to 9GHz                            &gt; -6dBm @ 9 to 18GHz                            &gt; -12dBm @ 18 to 26.5GHz          Low Power: &lt; -45 dBm @ &gt; 300 kHz to 26.5 GHz          Measurement :</p> <p>-Distance-to-fault (dB)          -Return loss          -VSWR          -Distance-to-fault &amp; Return Loss combine          -Cable loss (1-port)          - insertion loss(2-port)          -distance-to-fault (linear or Rho)          Immunity to Interference :+16 dBm (nominal)          Maximum safe input Level:+27 dBm</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)
<b>Total Cost</b>							

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: \_\_\_\_\_