



Seemant Engineering Institute, Pithoragarh, NANHI PARI SEEMANT
ENGINEERING INSTITUTE PITHORAGARH (Erstwhile Seemant Institute of
Technology, Pithoragarh) GIC Campus, Link Road, Pithoragarh-262 502,
Uttarakhand

INVITATION LETTER

Package Code: TEQIP-III/2019/UK/seip/103

Current Date: 19-Jul-2019

Package Name: ECE Antenna Lab

Method: Shopping Goods

To,

The CONCERNED

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Sub: INVITATION LETTER FOR ECE Antenna Lab

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	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Antenna Training System	1	NPSEI Pithoragarh	Yes required

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, initialling, 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 **120**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:
- Satisfactory Acceptance - 100% of total cost**
10. Liquidated Damages will be applied as per the below:
Liquidated Damages Per Day Min % :N/A
Liquidated Damages Max % : N/A
11. All supplied items are under warranty of **36** months from the date of successful acceptance of items and AMC/Others is .
12. You are requested to provide your offer latest by **16:30** hours on **05-Aug-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **Yes required**
15. Testing/Installation Clause (if any) **Yes required**

16. Performance Security shall be applicable: **0%**
17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below **through INDIAN SPEED/ REGISTERED POST ONLY** and mention **TEQIP-III/2019/UK/seip/103** on the top of the envelope:

**The Director/ TEQIP-III Coordinator
NANHI PARI SEEMANT ENGINEERING INSTITUTE
(Erstwhile Seemant Institute of Technology)
GIC Campus, Link Road,
Pithoragarh-262 502, Uttarakhand**

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

(Authorized Signatory)

Name & Designation

Additional Terms & Condition:

1. All manufacturer/authorized dealer need to mention the make and model no for the item quoted and authorized dealer has to submit the recent valid authorization certificate from the original manufacturer.
2. The manufacturer/authorized dealer has to provide at least three years warranty and free service/maintenance required at the college site.
3. Training for a period of at least 3 days to be considered.
4. At the time of technical evaluation of products, the vendor may be called for the demonstration if required.
5. FREE installations and FREE Demonstration at College.
6. The manufacturer/authorized dealer should provide catalog/leaflet in support of the quoted product.
7. Vendors have to quote the full package and demonstrate all the experiments covered. Quotation will be evaluated for the whole package.
8. Statutory Documents like GST certificate, PAN Card, Manufacturing License etc to be provided.
9. Quotations will not be considered submitted through by hand in any case.

Annexure I

Sr. No	Item Name	Specifications
1	Antenna Training System	<p>CEM One</p> <p>10 user license</p> <ul style="list-style-type: none"> • The basic frequency domain module provides a versatile and accurate tool for medium sized antenna and ECS problems. • The module includes the MoM solver. Frequency-domain add-on module for accurate, large-scale RCS and antenna installation problems. The module includes a Multi-Level Fast Multipole Method (MLFMM) solver, Physical Optics (PO), as well as the hybrid MoM/MLFMM-PO solver. • The frequency-domain cavity add-on module includes the MDMM tool (Multi-Domain Multi-Method) allowing the user to decouple the solution in cavities from the external problem and apply the most efficient method for each domain. Includes a FEM solver for cavities. • Basic time-domain module including a parallel FDTD solver on Cartesian grids suitable for both broadband and single frequency analysis of complex geometries and materials. • Basic time-domain module including parallel FDTD solver on Cartesian grids and MTL solver for cable harness. • PAM-CEM/HF is an asymptotic high-frequency solver based on the Physical Theory of Diffraction combining Physical Optics (PO) and Equivalent Edge Currents (EEC). PAM-CEM/HF is suitable for very large problem sizes with dimensions extending up to thousands of wavelengths. <p>Antenna Pattern Measurement System - Ver 17.0</p> <ul style="list-style-type: none"> • Azimuth and elevation pattern plotting & comparison with help of antenna trainer platform software • 175mm Scan table for user defined RF antenna and devices emission analysis along with spectrum connectivity interface • Gear-pinion stepper motors assembly is help to rotate Heavy antennas like horn and reflector • Covers frequency range from 500MHz to 3.2GHz • Set up Compatible for WIRE antenna aperture antenna Micro strip antenna array antenna reflector antenna pattern calculation. • Compatible for Manual and automatic polar plot pattern reading • Facility to hold antenna in co & cross plane • RF detector supports up to 8GHz • The Transmitter and Receiver Antenna stand is made of special material which is inherit to EM signal • Useful for User constructed antenna pattern analysis • USB2.0 interface for software connectivity • Very rigid carriage lead – no axial backlash • Torque of antenna rotating table =5Kg <ol style="list-style-type: none"> 1. Maximum rotation speed = 60 RPM 2. User defined Antenna load @ vertical center = 5Kg 3. USB 2.0 computer interface

LIST OF ANTENNA

- Monopole Dipole Yagi Folded Dipole Rectangular Loop Helical
- Planar Dipole , Yagi RMSA CMSA Annular Ring
- Plane reflector , corner reflector
- Open ended waveguide , Horn

ACCESSORIES

- SMA (M) to SMA (M) 50 Ohm RG316 cable : 02nos
- USB Cable (Male A to Male A) : 01nos
- Manual : 01nos
- Software on CD : 01nos

Hardware Requirement: Pentium based PC with Intel 32-bit hardware, Minimum 256 Byte RAM with Windows NT/2000/XP)

Audio Card support, with Audio and Audio out

M&S and upgrades: Perpetual License with FREE Maintenance and Support for Three years.

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. _____