



# Engineering College, Ajmer

(An Autonomous Institute of Govt. of Rajasthan)

N.H.8 , Barliya Circle, Near Nareli Temple, Ajmer

## INVITATION LETTER

Package Code: TEQIP-III/2019/RJ/GECA/101

Current Date:

Package Name: GECA/TEQIP-III/2017-18/ECE-Wireless

Method: Shopping Goods

Communication Lab.

To,

M/s .....

.....

.....

**Sub: Invitation Letter For GECA/TEQIP-III/2017-18/ECE- Wireless Communication Lab.**

Dear Sir,

- You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

S. N.	Item Name	Quantity	Place of Delivery	Installation Requirement
1	Radar Trainer Kit (working of doppler radar ,time and frequency measurement)	1	Engg. College, Ajmer N.H. 8,Barliya Circle, Near Nareli Temple, Ajmer	Onsite installation and testing & commissioning required.
2	CDMA-DSSS Communication System with BER Measurement	1		
3	GPS Receiver Trainer kit(establishing link between GPS satellite measure latitude and longitude	1		
4	Transmitter and receiver for calculation of link budget	1		

- 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

- The contract shall be for the full quantity as described above.
- Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
- 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 **90** 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 Delivery & Installation - 90% of total cost**
  - Satisfactory Acceptance - 10% of total cost**
10. Liquidated Damages will be charged at the rate of 0.01 % per day on pre tax billing amount if delivery period exceeds 45 days. Purchase Order shall be understood cancelled automatically without any prior notification if delivery period exceeds 60 days.
11. All supplied items are under warranty of **36** months from the date of successful acceptance of items and AMC/Others.
12. You are requested to provide your offer latest by **12:30** hours on **10-October-2019**, the quotation received within stipulated date and time shall be opened on **10-October-2019 at 1:00 PM.**
13. Detailed specifications of the items are at Annexure I. Any Deviation from specification should be highlighted in the bid.
14. Training Clause (if any) : Basic and Advance (full functioning) with maintenance training on-site required.



15. Testing/Installation Clause (if any) **Onsite installation and testing & commissioning required. The vendor should visit the site to understand the installation requirement.**
16. Performance Security shall be applicable: **5% of pre tax billing amount**
17. Purchase Order awarded bidder shall furnish one performance security of 5% of contract value (pre tax billing amount) in the form of bank guarantee valid for 39 months from the scheduled date of completion of assignment.
18. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
19. The bidder must submit their financial bid in the prescribed format (Annexure-2) and no other format is acceptable.
20. The bidder shall quote only one specific make/model from only specific OEM for each of the goods. Bid will be rejected if bidder provide more than one make/model for an item/good.
21. Vendor/bidder must submit two bids concurrently, i.e technical bid and financial bid, with proper marking on envelopes. Financial bids shall be opened of only those bidders who have been declared technically qualified by the Purchase Committee.
22. The qualification criteria for technical bid shall be following (The envelope marked for technical bid must contain all the supporting documents):
  - I. Only authorized dealer/ agency of Original Equipment Manufacturer (OEM) or OEM should apply against this invitation for bid. In the case of the bidder, offering to supply goods under the bid, which the bidder does not manufacture or otherwise produce, the bidder has to provide Manufacturer's Authorization Certificate for each item (excluding services) strictly as per format at Annexure -3. Bids submitted without authorization certificate for each item (excluding services) as per Annexure-3 will be summarily rejected.
  - II. The average turnover of the bidder quoting for the bid should be Rs. 40 Lakhs during the last three financial years (2016-2017, 2017-2018 & 2018-2019). In this regard, the bidder should submit CA certificate and last three years Balance Sheets audited by a CA including profit and loss accounts for the last three financial years as above.
  - III. OEM Firm or bidder must have executed at least :
    - One single order of similar items having value of Rs. 3.2 Lakhs
    - (OR)
    - Two orders of similar items having value of Rs. 2.4 Lakhs.
    - (OR)
    - Three orders of similar items having value of – Rs. 1.6 Lakhs.

{Here,\*similar means 'supply and installation of **Electronics Wireless**

**Communication Lab. Equipments / Instruments** for any Govt. Dept/PSU/reputed organization in the last three years i.e. 2016-2017, 2017-2018 & 2018-2019 till the



date of invitation letter. Copies of purchase order and successful work completions certificate must be submitted.}

- IV. Bidder must submit the latest GST Registration Certificate along with clearance status of 'no dues' of GST.
- V. The bidder has not been blacklisted by Central Govt./State Govt./PSUs/Autonomous bodies. Further, the bidder has neither filed any litigation against Central/State Govt. nor declared "no performer" by Govt./State Govt./PSUs/Autonomous bodies. An affidavit must be submitted by the bidder.
- VI. The OEM firm of each item should have the valid ISO 9001:2015 and/or ISO14001:2015 certification (copies of ISO certificate(s) to be submitted.)
- VII. Compliance sheet of technical specification of each item (in the order as given in Annexure 1) should be provided.
- VIII. A Confirmation letter as per format at Annexure-4 on firm's letterhead that the bidder will provide normal Commercial warranty/guarantee of 36 months on all supplied items, and agrees with the terms & conditions mentioned in the invitation letter.
23. The purchase committee has full power to take any decision for the tender or quotation.
24. Sealed quotation to be submitted/ delivered at the address mentioned below, **Principal, Engineering College, Ajmer, N.H.8 , Barliya Circle, Near Nareli Temple, Ajmer**
25. We look forward to receiving your quotation and thank you for your interest in this project.

Dr. U. S. Modani  
Principal



Annexure I

Sr. No	Item Name	Specifications
1	Radar Trainer Kit(working of doppler radar ,time and frequency measurement)	Microwave Transceiver:frequency upto 10 GHz ,Antenna : parabolic dish $f/d=.25$ , Output compatible with PC, Seven segment Display for object counting ,Sensitivity : up to -70dB m supporting accessories, Oscilloscope : Real time with digital storage Display setting : Both X and Y position adjustable Volts/div : Adjustable Time Base : Adjustable Trigger : Auto Related Software CD ,Product Tutorial CD,manual
2	CDMA-DSSS Communication System with BER Measurement	CDMA-Direct Sequence Spread-Spectrum (DSSS) Modulator, Demodulator, Software programmable chip rates up to maximum 10 M chips/s,Spreading codes : Gold sequences (up to $2^{20}-1$ chips) Maximal length sequences (maximum length $2^{20}-1$ chip) Baseband Modulation : BPSK / QPSK / OQPSK with output spectral shaping Spectral shaping filter : Root-raised Cosine square root filter, Internal generation of pseudo-random bit stream and un modulated carrier for test purposes I & Q Channel DAC-10 bit@ Sampling rate 100 MSPS max. Anti aliasing low pass filter with 3dB bandwidth of I & Q channel filter: Sallen Key 6-pole Butterworth with cut-off frequency up to 10MHz Built-in Additive White Gaussian Noise Generator Built-in Frequency offset (Doppler) Generator Sequential code search Extensive monitoring: Receiver lock, Carrier frequency error, code lock, synchronization etc. Mains Supply : 110-220 V AC $\pm 10\%$ , 50/60Hz and all supporting accessories
3	GPS Receiver Trainer kit(establishing link between GPS satellite measure latitude and longitude	Channel : 10, Receiver Frequency upto 1500MHz, Position Accuracy : 20 meters Velocity ccuracy:0.1meters/second, Time Accuracy : Synchronized to GPS time Update rate : 1/sec. Receiver Sensitivity : -175 db Serial Communication : 4800 Baud (default) Protocol Messenger : NMEA0183 V 2.2, SiRf binary & RTCMSC104 V2.0 type 1,2,9 Maximum Speed : 500 meters / sec. max. Acceleration : 4g., maximum Jerk : 20 meters / sec.-3 max. Maximum Altitude : 18000 meters Time to First Fix : 45 / 38 / 8 sec,USB for PC Communication GPS Software for analysis and all supporting accessories
4	Transmitter and receiver for calculation of link budget	RF Signal Generator upto 4GHz RF Signal Receiver up to 4 GHz Stepper Motor Rotation 1,10,45 degree and mounting tripod stands, connecting antenna (half wave dipole ,quarter wave etc) and all supporting accessories





**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. \_\_\_\_\_ (Amount in figures)

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (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. \_\_\_\_\_

Annexure 3 (Invitation)

**MANUFACTURER AUTHORIZATION FORM**

No. \_\_\_\_\_ dated \_\_\_\_\_

To

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir:

Package No. \_\_\_\_\_

We----- (Name of the OEM) who are established and reputed manufacturer of \_\_\_\_\_ (name and description of goods offered) having factories at \_\_\_\_\_ (address of factory) with factory registration no. -- ----- do hereby authorize M/s \_\_\_\_\_ (Name and address of Agent) to submit a bid, and sign the contract with you for the goods manufactured by us against the above bid.

We hereby extend our full warranty as per your invitation letter, for the goods and services offered for supply by the above firm against this Invitation for Bid.

Yours faithfully,

(Name)

(Name of manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer or OEM and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.



Annexure 4 (Invitation)

**Confirmation Letter**

No. \_\_\_\_\_

dated \_\_\_\_\_

To \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir:

Package No. \_\_\_\_\_

~~We confirm that the normal commercial warranty/ guarantee of 36 months shall apply to the offered items~~  
and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

Yours faithfully,

(Name)

(Name of manufacturers)

