Government Women Engineering College, Ajmer, Makhupura, Nasirabad Road, Ajmer -305002

INVITATION LETTER

Package Code: TEQIP-III/2019/RJ/gwec/95

Package Name: GWECA/2019/ECE/RF and Microwave System Design Tool

Current Date: 10-Jul-2019

Method: Shopping Goods

To,

....

....

....

Sub: INVITATION LETTER FOR GWECA/2019/ECE/RF and Microwave System Design Tool

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	RF & Microwave System Design Tool	1	ECE, GWEC Ajmer	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, 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 **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 Acceptance - 10% of total cost
Satisfactory Delivery & Installation - 90% 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 **12** months from the date of successful acceptance of items and AMC/Others is **.**

12.   You are requested to provide your offer latest by **14:30** hours on **24-Jul-2019,** failing which it would be summarily rejected. GWEC Ajmer will not be responsible for postal delay or non-receipt of quotation.

13.   Detailed specifications of the items are at Annexure I.

14.   Training Clause (if any) **Yes**

15.   Testing/Installation Clause (if any) **Yes**

16. Performance Security shall be applicable**: 5%**

17. **Information brochures/ Product catalogue**, if any must be accompanied with the quotation clearly indicating the model quoted for.

18. Sealed quotation (complete in all respects) to be submitted/ delivered at the address mentioned below, **Government Women Engineering College, Ajmer,Makhupura, Nasirabad Road, Ajmer -305002**

19. You are requested to provide the company details viz. **Firm Registration Certificate**, **GST Registration Certificate** and any other necessary documents duly certified by **Chartered Accountant / Notary Public**.

20. The quotation would be opened on **24-Jul-2019 at 15:00 hrs** at **TEQIP-III Office, Govt. Women Engineering College Ajmer, Rajasthan – 305002, India** in the presence of bidder representatives who choose to attend the opening. The bidder representatives who are present shall sign an Attendance Sheet evidencing their attendance.

21. Notwithstanding the above, the Institute reserves the right to accept or reject any quotation(s) and to cancel the process and reject all quotation(s) at any time.

22. Dispute if any shall be subjected to the jurisdiction of Rajasthan in Ajmer/Jaipur.

23. 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	RF & Microwave System Design Tool	Provide essential RF and microwave design capabilities in a highly productive enterprise schematic design environment. Fast linear simulation, comprehensive filter and passive circuit synthesis. Provide design guides for components like Amplifiers, mixers, filters, Oscillators. Should provide RF System Simulator. Should provide Statistical design capabilities like Yield,Sensitivity analysis and Yield optimization Provide analysis of non-linear circuits excited with multi-tone sources, and extensive, preconfigured simulation setups useful in amplifier, RF, microwave, oscillator and custom circuit designs. Provide Unlimited multi-tone frequency-domain nonlinear simulation and optimization,.Phase noise analysis,.Load and source pull analysis,.Power amplifier design guide to synthesize, design and simulate popular amplifier topologies,.Mixer design guide to synthesize, design and simulate popular mixer topologies,Oscillator design guide to synthesize, design and simulate popular oscillator topologie. Analog model development kit to develop customized nonlinear behavioral models. Provide efficient simulation technique for complex digitally modulated RF signals in addition to templates for designing linearizers, RF Systems, and PLL Systems. Provide Advanced time-domain simulator that includes IBIS I/O Models, Signal Integrity verification, Broadband and High-Frequency SPICE simulation. Should Enable the simulation of Verilog-A models in Advanced Design System. This compiler-based solution results in simulation times comparable to built-in models.

		Should provide Verilog-AMS element to Simulate end-to-end system behavior with analog and digital components.
		Generate X-Parameter* models from advance design software circuit designs (e.g. power amplifiers, mixers or any nonlinear RF block) for circuit-level accurate nonlinear simulation with the speed of a behavioral model.
		Provide Comprehensive physical design environment specifically geared for high-frequency circuit development, including artwork translators for DXF, Gerber, IGES and GDS-TT formats.
		Provide DRC to save time by providing a simple and rapid method for designers to immediately verify that layouts conform to the rules of a given process rather than waiting for feedback from a foundry.
		Provide 3-D planar electromagnetic (EM) simulator used for passive circuit analysis. Also provide modules for animating current flow in conductors and slots, circuit optimization and analytical modeling for planar antenna design. Provide ingenious parameterized passive model generation capability i.e. Advanced Model Composer (AMC) which enables to create EM based custom libraries of planar 3D models such as transitions, discontinuities or passive components not available in the standardsimulation libraries because of novel geometries or dimensions beyond the range of validity. Provide User selectable microwave full wave or faster RF quasi-static mode EM simulation,Adaptive frequency sweep to automatically and quickly find all resonant frequencies across the full simulation frequency band,Arbitrary polygonal meshing with adaptive mesh reduction for optimal speed, accuracy andcapacity,Thick metal analysis of side wall currents and couplings,EM excitation from any circuit or system simulation nodes.

		Provide for full 3D FEM solution in design environment. Provide Full wave 3D FEM EM simulator with advanced direct and iterative solver for speed and capacity, Adaptive frequency sweep to locate all resonant frequencies automatically and quickly with minimum frequency points.
		Provide 3D parameterized components of commonly used structures such as wire bonds, solder balls, solder connectors and packages to speed up 3D design input and enables geometry sweeps and co-optimization.
		Provide Ptolemy simulator for System-level simulation and design solution for synchronous and timed-synchronous dataflow, model analysis/optimization, HDLCosim, and Digital, 802.xx, Antenna, Radio and Bluetooth design models.
		Should provide mature wireless libraries.Provide PHY level systems/models that conform to Wireless Connectivity Standards providing "Golden Reference" models to simulate and verify algorithm and system performance early in the design phase.
		Should provide integrated wireless libraries. Provide Extensive collection of PHY level systems/models that conform to Wireless Connectivity Standards providing "Golden Reference" models to simulate and verify algorithm and system performance.

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. _____