



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

INVITATION LETTER

Package Code: TEQIP-III/2019/RJ/gwec/84

Current Date: 04-Jun-2019

Package Name: GWECA/EEE/Power System Lab

Method: Shopping Goods

To,

Sub: INVITATION LETTER FOR GWECA/EEE/Power System 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	OPAL-RT Real time digital simulator	1	EE/EEE Dept., GWEC, Ajmer	

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
Delivery and 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 **36** months from the date of successful acceptance of items and AMC/Others is .
 12. You are requested to provide your offer latest by **15:00** hours on **18-Jun-2019**.
 13. Detailed specifications of the items are at Annexure I.
 14. Training Clause (if any) **Required on site**
 15. Testing/Installation Clause (if any) **Installation and Training is required on site**
 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 to be submitted/ delivered at the address mentioned below,
**Government Woman Engineering College, Ajmer, Makhupura, Nasirabad Road,
Ajmer -305002**
19. We look forward to receiving your quotation and thank you for your interest in this project.
20. 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 and Notary Public.**

(Authorized Signatory)

Name & Designation

Annexure I

Sr. No	Item Name	Specifications
1	OPAL-RT Real time digital simulator	<p>1 Simulator Hardware architecture should be modular in nature to allow future expansion. 2 Simulator Hardware should be rack mountable. 3 Power supply : Universal input and active power factor correction 350W 4 FPGA : Kintex-7 FPGA, 325T, 326,000 logic cells, 840 DSP slice (Multiplier- adder) 5 Processing Unit : 8GB RAM. Xeon E3 4 core CPU, 3.2 GHz, solid state hard Disk 128 GB 6 Fast optical interface : 4 sockets for optional Small Form-factor Pluggable (SFP&SFP+) 1 to 5 Gbits/s optical cable pairs (Rx/Tx) 7. Software compatibility : Modelling Environment should be based on MATLAB & Simulink only. It should have multiple host License in offline mode. RT-LAB, Real time event analyser (RT-EVENT Blockset), RTE Drive Blockset, Linux OS with Real-Time Kernel, Intel C++ Compiler 8. Performance : Minimum time step of 7microseconds for model Subsystems executed on the INTEL CPU and 250Nanoseconds for models executed on the FPGA, 10 Nanosecond timer resolution 9. Dimensions & weight : 43.2 (W) x 27.4(D) x 8.9cm (H) (17" x 10.8" x 3.5") 5Kg (11lbs) approx., for laboratory use 10 Digital output channels : 32 channels, push-pull, 65 nanosecond typical propagation Delay, 5v to 30v adjustable by an external voltage supplied By users, 50 mA max, short-circuit protected, galvanic Isolation 11 Digital input channels : 32 channels, 4v to 30v, 3.5mA min, 40 nanosecond typical Propagation delay, galvanic isolation with fast Opto-couplers 12 Analog input converter : 16 channels, 16 bits, 2.5 microsecond conversion time for all Channels simultaneously, +- 20V true differential input 400K Ohms input impedance, conversion time directly Controlled by the FPGA chip 13 Analog output converter : 16 channels, 16 bits, 1.0 microsecond update time for all Channels simultaneously, ± 16V, 10 mA (20 mA with Optional fast driver), short-circuit protected, update time Directly controlled by the FPGA chip 14 Simulator should support both Analog & Digital I/O's & I/O Cards should be FPGA Based. 15 Minimum count of I/O for the simulator must be 16ADC, 16DAC, 32DI, 32DO.</p>

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. _____