



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

## INVITATION LETTER

Package Code: TEQIP-III/2019/RJ/gwec/98

Current Date: 10-Jul-2019

Package Name: GWECA/EEE/Research Lab-II

Method: Shopping Goods

To,

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.....

**Sub: INVITATION LETTER FOR GWECA/EEE/Research Lab-II**

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	Power Quality Analyzer	1	EE/EEE, GWEC Ajmer	Yes
2	Mixed Signal Oscilloscope (MSO)	1	EE/EEE, 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 **36** 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.	Power Quality Analyzer	<p>Power quality analyzer should have</p> <ul style="list-style-type: none"> <li>• Automatic CT recognition &amp; connection verification,</li> <li>• On-board data analysis feature, SD card and USB stick support,</li> <li>• Scope and DMM mode feature,</li> <li>• CAT IV@ 600V and IEC61000-4-30 Class A Compliant</li> <li>• Measurement features:- RMS voltage/current, THD, AC/DC Voltage and Current, Harmonics &amp; Inter-harmonics, Power Parameters ( KW, KVAR, KVA, DPF, TPF), Energy Parameters (KWh, KVARh, KVAh), power factor measurement, Voltage sag/dips &amp; swells, current sag/dips and swells, IEC flicker, phase to phase voltage, mains signalling &amp; phase angles,</li> <li>• IEC unbalance and phase angle deviation,</li> <li>• Event and timed waveform capture feature,</li> <li>• Transients &amp; down to one microsecond and rapid voltage change,</li> <li>• Battery NiMH battery pack Discharge time-up to 8 hours, recharge time-2 hours</li> </ul> <table border="1" data-bbox="426 1131 1415 2007"> <tr> <td data-bbox="426 1131 758 1238">Voltage Channel &amp; Accuracy</td> <td data-bbox="761 1131 1415 1238">0 to 1000 V AC/DC, 4 isolated voltage channels, +0.1% per reading with resolution of 16 bits</td> </tr> <tr> <td data-bbox="426 1243 758 1915" rowspan="2">Current Channel &amp; Accuracy</td> <td data-bbox="761 1243 1415 1361">0 to 6000A (CT dependent), 4 isolated current channels, +0.1%per reading + CT</td> </tr> <tr> <td data-bbox="761 1366 1415 1915">Split core current probes: 5A, 20A, 100A, 1000A. Flexible rain tight CT four ranges 60A, 600A, 3000A and 6000A, powered from PQ Analyser. When data needs to recorded, the PQ Analyser record verification automatically should identify the current clamps, recognize their range and verify that the unit is connected properly.</td> </tr> <tr> <td data-bbox="426 1919 758 2007">Sampling Rate</td> <td data-bbox="761 1919 1415 2007">To be true RMS and should have 256 samples per cycle RMS, 1MHz transient sampling rate</td> </tr> <tr> <td data-bbox="426 2011 758 2119">Communication</td> <td data-bbox="761 2011 1415 2119">USB communication Ethernet communications USB stick for data and configuration file transfer SD card for direct data transfer</td> </tr> <tr> <td data-bbox="426 2123 758 2231">Safety Compliances</td> <td data-bbox="761 2123 1415 2231">Should have following safety Compliance: EMC/Vibration IEC61000 4 – 30, IEC61000-4-15</td> </tr> </table>	Voltage Channel & Accuracy	0 to 1000 V AC/DC, 4 isolated voltage channels, +0.1% per reading with resolution of 16 bits	Current Channel & Accuracy	0 to 6000A (CT dependent), 4 isolated current channels, +0.1%per reading + CT	Split core current probes: 5A, 20A, 100A, 1000A. Flexible rain tight CT four ranges 60A, 600A, 3000A and 6000A, powered from PQ Analyser. When data needs to recorded, the PQ Analyser record verification automatically should identify the current clamps, recognize their range and verify that the unit is connected properly.	Sampling Rate	To be true RMS and should have 256 samples per cycle RMS, 1MHz transient sampling rate	Communication	USB communication Ethernet communications USB stick for data and configuration file transfer SD card for direct data transfer	Safety Compliances	Should have following safety Compliance: EMC/Vibration IEC61000 4 – 30, IEC61000-4-15
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			IEC61000-4-27, IEC61010-1 , IEC61326, IEC60529, MIL-STD-810-G IEEE1453 CAN/CSA-C22.2 No. 1010.1-92, RoHS2 Directive 2011/65/EU
2.	Mixed Signal Oscilloscope (MSO)	Bandwidth	100MHz or higher
		Number of Channels	4 Analog Channels and 16-digital channels
		Sampling rate	2GSa/s or better
		Record length/Maximum memory depth	2Mpts per Channel and segmented memory
		Waveform update rate	900,000 waveform/second or better
		Time base accuracy	2ppm or better
		Display	8-inch or higher capacitive touch screen with gesture support
		Warranty	At least 3 year with 3-years calibration cycle
		Power Measurement capability	The instrument should have capability to measure Power Quality, current harmonics, inrush current, switching measurement, output measurements (output ripple, Turn-on/Turn-off time, and efficiency), frequency response measurement and control loop response.
		Independent knobs per channel for fast operation. All front panel knobs push-able for access to common controls	
Auto Probe interface to support various active, differential and current probes			
Manufacturer should have NABL accredited Cal Lab and service centre in India			

**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. \_\_\_\_\_