

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

INVITATION LETTER

Package Code: TEQIP-III/2019/RJ/gwec/85	Current Date: 05-Jun-2019
Package Name: GWECA/EEE/Research Lab-II	Method: Shopping Goods

To,		

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 Dept. GWEC Ajmer	
2	Digital storage Oscilloscope 100Mhz	1	EE 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.
- 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 & 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 19-Jun-2019.
- **13.** Detailed specifications of the items are at Annexure I.
- 14. Training Clause (if any) Required

- 15. Testing/Installation Clause (if any) Required
- **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.
- 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	Power	Product specifications									
	Quality Analyzer		Model	Measurement range	Resoluti on	Accuracy					
		Volt									
	Vrms (ac+dc)	434-II	1 V to 1000 V phase to neutral	0.1 V	± 0.5% of nominal voltage****						
		Vpk		1 Vpk to 1400 Vpk	1 V	5% of nominal voltage					
		Voltage Crest Factor (CF)		1.0 > 2.8	0.01	± 5 %					
		Vrms½	434-II	1 V to 1000 V phase to neutral	0.1 V	± 1% of nominal voltage					
		Vfund	434-II	1 V to 1000 V phase to neutral	0.1 V	± 0.5% of nominal voltage					
		Amps (accura	cy exclud	ding clamp accuracy)							
	Amps (ac +dc)	i430- Flex 1x	5 A to 6000 A	1 A	± 0.5% ± 5 counts						
			i430- Flex 10x	0.5 A to 600 A	0.1 A	± 0.5% ± 5 counts					
			1mV/A 1x	5 A to 2000 A	1A	± 0.5% ± 5 counts					
			1mV/A 10x	0.5 A A to 200 A (ac only)	0.1 A	± 0.5% ± 5 counts					
		Apk	i430- Flex	8400 Apk	1 Arms	± 5 %					
			1mV/A	5500 Apk	1 Arms	± 5 %					
	A Crest Factor (CF)		1 to 10	0.01	± 5 %						
	Amps½	i430- Flex 1x	5 A to 6000 A	1 A	± 1% ± 10 counts						
			i430- Flex 10x	0.5 A to 600 A	0.1 A	± 1% ± 10 counts					
		1mV/A 1x	5 A to 2000 A	1A	± 1% ± 10 counts						
			1mV/A 10x	0.5 A A to 200 A (ac only)	0.1 A	± 1% ± 10 counts					

Afund	i430- Flex 1x	5 /	A to 6000 A	1 A	± 0.5% ± 5 counts		
	i430- Flex 10x	0.	5 A to 600 A	0.1 A	± 0.5% ± 5 counts		
	1mV/A 1x			1A	± 0.5% ± 5 counts		
		,		0.1 A	± 0.5% ± 5 counts		
Hz							
Hz	Fluke 43 @ 50 Hz nominal		42.50 Hz to 57.50 Hz	0.01 Hz	± 0.01 Hz		
	Fluke 43 @ 60 Hz nominal		51.00 Hz to 69.00 Hz	0.01 Hz	± 0.01 Hz		
Power				!			
Watts (VA, var)	i430-Flex	x	max 6000 MW	0.1 W to 1 MW	± 1% ± 10 counts		
	1 mV/A		max 2000 MW	0.1 W to 1 MW	± 1% ± 10 counts		
Power factor (Cos j/DPF)			0 to 1	0.001	± 0.1% @ nominal load conditions		
Energy							
kWh (kVAh, kvarh)	i430-Flex 10x		Depends on clamp scaling and V nominal		± 1% ± 10 counts		
Energy loss i430-F			Depends on clamp scaling and V nominal		± 1% ± 10 counts Excluding line resistance accuracy		
Harmonics							
Harmonic order (n)			DC, 1 to 50 Grouping: Harmonic groups accord to IEC 61000-4-7				
Inter- harmonic order (n)			OFF, 1 to 50 Grouping Interharmonic subgrou 4-7				
Volts	%f		0.0 % to 100 %	0.1 %	± 0.1% ± n x 0 %		
	%r		0.0 % to 100 %	0.1 %	± 0.1% ± n x 0		
	Absolute	,	0.0 to 1000 V	0.1 V	± 5% *		
	THD		0.0 % to 100 %	0.1 %	± 2.5 %		
Amps	%f		0.0 % to 100 %	0.1 %	± 0.1% ± n x 0.1%		

			%r	0.0 % to	100 %	0.1 %	± 0.1% ± n x 0.4 %
			Absolute	0.0 to 60	00 A	0.1 A	± 5% ± 5 counts
			THD	0.0 % to	100 %	0.1 %	± 2.5 %
		Watts	%f or %r	0.0 % to	100 %	0.1 %	± n x 2%
			Absolute	Depend scaling nominal		_	± 5% ± n x 2 % ± 10 counts
			THD	0.0 % to	100 %	0.1 %	± 5 %
		Phase Angle		-360° to	+0°	1°	± n x 1°
		Flicker		:			,
	Plt, Pst, Pst(1min) Pinst	Pst(1min)		0.00 to 2	20.00	0.01	± 5 %
		Unbalance					
		Volts	%	0.0 % to	20.0 %	0.1 %	± 0.1 %
		Amps	%	0.0 % to	20.0 %	0.1%	± 1 %
		Mains signalir	ng				
		Threshold levels		signaling program	old, limits and g duration is nable for two g frequencies	_	_
		Signaling frequency		60 Hz to	3000 Hz	0.1 Hz	
		Relative V%		0 % to 1	00 %	0.10 %	± 0.4 %
		Absolute V3s (3 second avg.)	0.0 V t		1000 V	0.1 V	± 5 % of nominal voltage
2	Digital						
	storage Oscillosco	1. Speci Channel Dig			1 Analog Chan cope	nels 16 [Digital
	pe 100Mhz	S.No. Para	ameter		Specification		
		1 Ban	dwidth (MH	z)	100 MHz		
			nber of Anal nnels	log	4		
		3 No.	of Digital Cl	hannels	16		
			nory Depth		10 M Points f Digital Chann		&
		5 Sam	ple Rate		1GS/s for Ana Channels		gital

	6	Vertical Resolution	8-Bit
	7	Vertical Sensitivity	1mV/div - 10V/div
	8	Coupling	AC,DC & GND
	9	Time Base Range	1ns/div ~ 100s/div
1	10	Input Impedance	1ΜΩ
1	11	Update Rate	1,20,000 wfm/s
1	12	Display	8" TFT LCD WVGA
1	13	Interface	USB & LAN
1	15	Weight	Less than 3 Kg
1	17	Warranty	One Year
1	18	Power Source	AC 100V ~ 240V

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date:							
То:							
SI. 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	I other taxes payable In figures (B)
			Total C	ost			
(Rupees — We confirm terms and We hereby Signature of Name: Address: _	an that the normal conditions as menti	nount i comme ioned i e take	n words rcial wa n the In	cordance with the technical specification I within the period specified in the Invitation I witation Letter. Ito ensure that no person acting for us o	tion for Quotations. nonths shall apply to	o the offered items and	