



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

INVITATION LETTER

Package Code: TEQIP-III/2019/RJ/gwec/117

Current Date: 09-Aug-2019

Package Name: GWECA/Institute/UPS & UPS Battery

Method: Shopping Goods

To,

Sub: INVITATION LETTER FOR GWECA/Institute/UPS & UPS Battery

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	10 KVA Online UPS & Battery	4	GWEC Ajmer	Yes
2	5 KVA UPS Online	1	GWEC Ajmer	Yes
3	15 KVA Online UPS	1	GWEC Ajmer	Yes
4	UPS Battery	226	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 and the bidder shall submit the **Technical Bid and Financial Bids in separate sealed covers**, clearly super-scribing “**Technical bid for UPS & UPS Battery**” and “**Financial bid for providing UPS & UPS Battery**”, respectively. ***These two sealed covers shall be put in another cover which should also be sealed, signed and duly super-scribed “Tender for providing UPS & UPS Battery with Package Code”.***
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:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Acceptance	30	10
Satisfactory Delivery & Installation	30	90

10. Liquidated Damages will be applied as per the below:
Liquidated Damages Per Day Min %:0.10
Liquidated Damages Max %:10
11. All supplied items are under warranty of **12 months** from the date of successful acceptance of items and AMC/Others is **2 years**.
12. You are requested to provide your offer latest by **14:00 hours on 23-Aug-2019**.
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. **Original 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 Women Engineering College, Ajmer, Makhupura, Nasirabad Road, Ajmer -305002**
19. The OEM must submit the company details viz. **Firm Registration Certificate, GST Registration Certificate** and any other necessary documents duly certified by **Chartered Accountant / Notary Public** (Audited balance sheets including profit and loss accounts for the three financial years viz. 2015-16, 2016-17 & 2017-2018) along with their bid.
20. The quotation would be opened on **23-Aug-2019 at 15:00 hrs** at **TEQIP-III Office, Govt. Women Engineering College Ajmer, Rajasthan – 305002, India** in the presence of bidder representative who choose to attend the opening. The bidder representative who is present shall sign an Attendance Sheet evidencing their attendance.
21. The OEM/bidder should have **minimum 10 years** of experience in Manufacturing. The proof of it must be enclosed with their bid.
22. The OEM/bidder should submit Type test report issued from **Central Govt. Lab such as CPRI/ERTL/ETDC Lab**.
23. The OEM/bidder should have supplied **similar or higher rating of UPSs during last 5 years**. OEM/Bidder must enclose Supply orders/Purchase orders issued by the client along with their bid. Price preference should be given as per Govt. rules for SSI units of respective state.
24. **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 strictly as per format at **Annexure A**. Bids submitted without authorization certificate as per **Annexure A** will be summarily rejected.

25. Details of Service Centres and Service support facilities from where services would be provided during and after the warranty period must be enclosed with their bid.
26. 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.
27. Dispute if any shall be subjected to the jurisdiction of Rajasthan in Ajmer/Jaipur.
28. 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	10 KVA Online UPS & Battery	Rating	10KVA On-Line UPS suitable for single phase AC input & single phase AC output, floor mounted type.		
		Back-up time	30 Minutes		
		General	(i) UPSs are free from workmanship defects, sharp edges, nicks, scratches, burs etc. All fasteners fixed properly. The equipment shall be complete with all parts and all parts shall be functional. (ii) UPS enclosure's degree of protection shall be IP2L1 as per appendix C of IS 13947 (part 1)/ 1993 (reaffirmed 2004) (iii) Provision of manual By-pass facility for maintenance of UPS (iv) UPS shall supply output power and charging current at the same time.		
		Switching Device	MOSFET/ IGBT		
		Switching Frequency	> 10 KHz		
		Input Voltage	160 V – 260V, 50 ± 3% Hz, Single phase AC		
		Input Power factor	> 0.95 (lagging)		
		Output	230 V/ 220 V ± 1%, 50 ± 0.5 Hz, single phase		
		KW rating of the UPS	0.7 time the KVA rating (Standard), 0.8/0.9 (optional)		
		Voltage Regulation	Within ± 1 % (from no load to full load) for both single / three phase		
		Facility for operation in synchronous mode	Provided i.e. Output frequency shall be same as that of mains frequency		
		Total Harmonics distortion at output	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> <ul style="list-style-type: none"> 2 % maximum up to 5.0 KVA & 3 % maximum above 5.0 KVA on resistive load </td> <td style="width: 40%; padding: 5px; vertical-align: top;">When total input harmonics are ≤ 10 %</td> </tr> </table>	<ul style="list-style-type: none"> 2 % maximum up to 5.0 KVA & 3 % maximum above 5.0 KVA on resistive load 	When total input harmonics are ≤ 10 %
<ul style="list-style-type: none"> 2 % maximum up to 5.0 KVA & 3 % maximum above 5.0 KVA on resistive load 	When total input harmonics are ≤ 10 %				
		Efficiency	At rated output KVA rating, rated power factor, rated voltage and frequency (overall efficiency): 90%		
		Overload	UPS shall withstand 20 % overload for 10 minutes and 50 % overload for one minute		
		Protections	<ul style="list-style-type: none"> Over voltage Short Circuits Overload at output terminal Under voltage at battery terminal 		

			<ul style="list-style-type: none"> Over shoot and under shoot : < 4% of rated voltage for duration of 40 m sec. (maximum)
		Indicators	<ul style="list-style-type: none"> Mains presence Battery Charging & discharging Output overload Low battery voltage
		Meters	Provision of Digital Meter for monitoring the following parameters: <ul style="list-style-type: none"> Input AC voltage Output AC voltage, current and frequency Battery voltage & current
		Battery Bank	(i) Battery type: 12Volts SMF VRLA (ii) Battery VAH: 8000 VAH (iii) Battery make: Exide/Amaron (Quanta) / Panasonic (iv) Battery Stand: Provided (Bidder should mention Battery AH Capacity and Nos. of Batteries along with their offer)
2	5 KVA UPS Online	Rating	5KVA On-Line UPS suitable for single phase AC input & single phase AC output, floor mounted type.
		Back-up time	30 Minutes
		General	(i) UPSs are free from workmanship defects, sharp edges, nicks, scratches, burs etc. All fasteners fixed properly. The equipment shall be complete with all parts and all parts shall be functional. (ii) UPS enclosure's degree of protection shall be IP2L1 as per appendix C of IS 13947 (part 1)/ 1993 (reaffirmed 2004) (iii) Provision of manual By-pass facility for maintenance of UPS (iv) UPS shall supply output power and charging current at the same time.
		Switching Device	MOSFET/ IGBT
		Switching Frequency	> 10 KHz
		Input Voltage	160 V – 260V, 50 ± 3% Hz, Single phase AC
		Input Power factor	> 0.95 (lagging)
		Output	230 V/ 220 V ± 1%, 50 ± 0.5 Hz, single phase
		KW rating of the UPS	0.7 time the KVA rating (Standard), 0.8/0.9 (optional)
		Voltage Regulation	Within ± 1 % (from no load to full load) for both single / three phase
		Facility for operation in synchronous mode	Provided i.e. Output frequency shall be same as that of mains frequency

		<table border="1"> <tr> <td>Total Harmonics distortion at output</td> <td> <ul style="list-style-type: none"> • 2 % maximum up to 5.0 KVA & • 3 % maximum above 5.0 KVA on resistive load </td> <td>When total input harmonics are $\leq 10\%$</td> </tr> <tr> <td>Efficiency</td> <td colspan="2">At rated output KVA rating, rated power factor, rated voltage and frequency (overall efficiency): 90%</td> </tr> <tr> <td>Overload</td> <td colspan="2">UPS shall withstand 20 % overload for 10 minutes and 50 % overload for one minute</td> </tr> <tr> <td>Protections</td> <td colspan="2"> <ul style="list-style-type: none"> • Over voltage • Short Circuits • Overload at output terminal • Under voltage at battery terminal • Over shoot and under shoot : $< 4\%$ of rated voltage for duration of 40 m sec. (maximum) </td> </tr> <tr> <td>Indicators</td> <td colspan="2"> <ul style="list-style-type: none"> • Mains presence • Battery Charging & discharging • Output overload • Low battery voltage </td> </tr> <tr> <td>Meters</td> <td colspan="2"> Provision of Digital Meter for monitoring the following parameters: <ul style="list-style-type: none"> • Input AC voltage • Output AC voltage, current and frequency • Battery voltage & current </td> </tr> <tr> <td>Battery Bank</td> <td colspan="2"> (i) Battery type: 12Volts SMF VRLA (ii) Battery VAH: 4000 VAH (iii) Battery make: Exide/Amaron (Quanta) / Panasonic (iv) Battery Stand: Provided (Bidder should mention Battery AH Capacity and Nos. of Batteries along with their offer) </td> </tr> </table>	Total Harmonics distortion at output	<ul style="list-style-type: none"> • 2 % maximum up to 5.0 KVA & • 3 % maximum above 5.0 KVA on resistive load 	When total input harmonics are $\leq 10\%$	Efficiency	At rated output KVA rating, rated power factor, rated voltage and frequency (overall efficiency): 90%		Overload	UPS shall withstand 20 % overload for 10 minutes and 50 % overload for one minute		Protections	<ul style="list-style-type: none"> • Over voltage • Short Circuits • Overload at output terminal • Under voltage at battery terminal • Over shoot and under shoot : $< 4\%$ of rated voltage for duration of 40 m sec. (maximum) 		Indicators	<ul style="list-style-type: none"> • Mains presence • Battery Charging & discharging • Output overload • Low battery voltage 		Meters	Provision of Digital Meter for monitoring the following parameters: <ul style="list-style-type: none"> • Input AC voltage • Output AC voltage, current and frequency • Battery voltage & current 		Battery Bank	(i) Battery type: 12Volts SMF VRLA (ii) Battery VAH: 4000 VAH (iii) Battery make: Exide/Amaron (Quanta) / Panasonic (iv) Battery Stand: Provided (Bidder should mention Battery AH Capacity and Nos. of Batteries along with their offer)	
Total Harmonics distortion at output	<ul style="list-style-type: none"> • 2 % maximum up to 5.0 KVA & • 3 % maximum above 5.0 KVA on resistive load 	When total input harmonics are $\leq 10\%$																					
Efficiency	At rated output KVA rating, rated power factor, rated voltage and frequency (overall efficiency): 90%																						
Overload	UPS shall withstand 20 % overload for 10 minutes and 50 % overload for one minute																						
Protections	<ul style="list-style-type: none"> • Over voltage • Short Circuits • Overload at output terminal • Under voltage at battery terminal • Over shoot and under shoot : $< 4\%$ of rated voltage for duration of 40 m sec. (maximum) 																						
Indicators	<ul style="list-style-type: none"> • Mains presence • Battery Charging & discharging • Output overload • Low battery voltage 																						
Meters	Provision of Digital Meter for monitoring the following parameters: <ul style="list-style-type: none"> • Input AC voltage • Output AC voltage, current and frequency • Battery voltage & current 																						
Battery Bank	(i) Battery type: 12Volts SMF VRLA (ii) Battery VAH: 4000 VAH (iii) Battery make: Exide/Amaron (Quanta) / Panasonic (iv) Battery Stand: Provided (Bidder should mention Battery AH Capacity and Nos. of Batteries along with their offer)																						
3	15 KVA Online UPS	<table border="1"> <tr> <td>Rating</td> <td>15 KVA On-Line UPS suitable for three phase AC input & single phase AC output, floor mounted type.</td> </tr> <tr> <td>Back-up time</td> <td>30 Minutes</td> </tr> <tr> <td>General</td> <td> (i) UPSs are free from workmanship defects, sharp edges, nicks, scratches, burs etc. All fasteners fixed properly. The equipment shall be complete with all parts and all parts shall be functional. (ii) UPS enclosure's degree of protection shall be IP2L1 as per appendix C of IS 13947 (part 1)/ 1993 (reaffirmed 2004) (iii) Provision of manual By-pass facility for maintenance of UPS (iv) UPS shall supply output power and charging current at the same time. </td> </tr> </table>	Rating	15 KVA On-Line UPS suitable for three phase AC input & single phase AC output, floor mounted type.	Back-up time	30 Minutes	General	(i) UPSs are free from workmanship defects, sharp edges, nicks, scratches, burs etc. All fasteners fixed properly. The equipment shall be complete with all parts and all parts shall be functional. (ii) UPS enclosure's degree of protection shall be IP2L1 as per appendix C of IS 13947 (part 1)/ 1993 (reaffirmed 2004) (iii) Provision of manual By-pass facility for maintenance of UPS (iv) UPS shall supply output power and charging current at the same time.															
Rating	15 KVA On-Line UPS suitable for three phase AC input & single phase AC output, floor mounted type.																						
Back-up time	30 Minutes																						
General	(i) UPSs are free from workmanship defects, sharp edges, nicks, scratches, burs etc. All fasteners fixed properly. The equipment shall be complete with all parts and all parts shall be functional. (ii) UPS enclosure's degree of protection shall be IP2L1 as per appendix C of IS 13947 (part 1)/ 1993 (reaffirmed 2004) (iii) Provision of manual By-pass facility for maintenance of UPS (iv) UPS shall supply output power and charging current at the same time.																						

		Switching Device	MOSFET/ IGBT
		Switching Frequency	> 10 KHz
		Input Voltage	300 V – 450 V, 50 ± 3% Hz, Three phase AC
		Input Power factor	> 0.95 (lagging)
		Output	230 V/ 220 V ± 1%, 50 ± 0.5 Hz, single phase
		KW rating of the UPS	0.7 time the KVA rating (Standard), 0.8/0.9 (optional)
		Voltage Regulation	Within ± 1 % (from no load to full load) for both single / three phase
		Facility for operation in synchronous mode	Provided i.e. Output frequency shall be same as that of mains frequency
		Total Harmonics distortion at output	<ul style="list-style-type: none"> • 2 % maximum up to 5.0 KVA & • 3 % maximum above 5.0 KVA on resistive load
			When total input harmonics are ≤ 10 %
		Efficiency	At rated output KVA rating, rated power factor, rated voltage and frequency (overall efficiency): 90%
		Overload	UPS shall withstand 20 % overload for 10 minutes and 50 % overload for one minute
		Protections	<ul style="list-style-type: none"> • Over voltage • Short Circuits • Overload at output terminal • Under voltage at battery terminal • Over shoot and under shoot : < 4% of rated voltage for duration of 40 m sec. (maximum)
		Indicators	<ul style="list-style-type: none"> • Mains presence • Battery Charging & discharging • Output overload • Low battery voltage
		Meters	Provision of Digital Meter for monitoring the following parameters: <ul style="list-style-type: none"> • Input AC voltage • Output AC voltage, current and frequency • Battery voltage & current
		Battery Bank	(i) Battery type: 12Volts SMF VRLA (ii) Battery VAH: 12000 VAH (iii) Battery make: Exide/Amaron (Quanta) / Panasonic (iv) Battery Stand: Provided (Bidder should mention Battery AH Capacity and Nos. of Batteries along with their offer)

4	UPS Battery	<p>42 AH</p> <ul style="list-style-type: none">• SMF (Sealed Maintenance Free)• 12 Volts• Meant for Online UPS, Telecom• Prolongs life• Heavy duty Lead alloy <p>Thick, robust inter-cell connections</p>
---	-------------	---

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.

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. _____