



Bundelkhand Institute of Engineering & Technology, Jhansi

Kanpur Road Jhansi, Uttar Pradesh – 284128

Email: teqip@bietjhs.ac.in, Phone: 0510-2320321, Website: bietjhs.ac.in

INVITATION LETTER

Package Code: TEQIP-III/UP/biej/52
Package Name: UPS Online

Current Date: 28-Jul-2019
Method: Shopping Goods

To,

Sub: INVITATION LETTER FOR UPS Online

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	5 KVA UPS Online	2	BIET JHANSI	
2	10 KVA UPS Online	6	BIET JHANSI	
3	800VA UPS	18	BIET JHANSI	

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 **60**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.
6.3 Catalogue of Equipment and Certificate from OEM

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

- 8.2 accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of Contract. *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 Delivery & Installation	30	90
Satisfactory Acceptance	30	10

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 **13-Aug-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **NO**
15. Testing/Installation Clause (if any) **YES**
16. Performance Security shall be applicable: %
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,
The TEQIP Coordinator,
Civil Engineering Building
Bundelkhand of Engineering & Technology Kanpur Road, Jhansi,
Uttar Pradesh, 284128
19. We look forward to receiving your quotation and thank you for your interest in this project.

(Mukesh Shukla)
Procurement Coordinator

Technical Specification of 10 KVA UPS

Parameters	
Output power Capacity	10KVA/8KW
Topology	True On line Double Conversion UPS
INPUT	
Phase	Compatible for both Single phase & Three Phase
Voltage	For Single Phase - 230VAC For Three Phase- 400V/415 AC (3 Ph + N)
Voltage Range	176-300VAC (1 phase) @ 100% load 305-478VAC (3 phase) @ 100% load
Frequency range	47 ~53 Hz
Power Factor	≥0.99
Auto Phase Sequence Correction	Should be inbuilt - For three phase
BATTERY	240VDC
Battery Charging	Constant Current & Constant Voltage
Cold Start	Required
Backup time	30mins
VAH Required	10080VAH
OUTPUT	
Nominal Output Voltage	208/220/230/240V AC ± 1%
Frequency	50Hz ± 0.1Hz
Frequency Synchronisation	46 ~ 54 Hz
Voltage THD	≤ 3% THD (Linear Load) ≤ 5% THD (Non-Linear Load)
Crest Factor	3:1
Transfer time	Zero ms
Waveform	Pure sinewave
EFFICIENCY	
AC / AC (Overall efficiency)	≥ 92%
Eco Mode	97%
OVERLOAD CAPACITY	
105 - 110%	30min
110% - 130%	5min
COMMUNICATION	
RS232	Available
USB Com Port	Available
Intelligent Slot	SNMP / MODBUS - Optional
ENVIRONMENT	
Operating Temperature	0 ~ 40° C Continuous
Humidity	0 - 95% RH @ 0-40° C (Non - condensing)
Noise Level	Less than 58dBA @ 1 meter
LCD DISPLAY	Load Level, Battery Level, AC Mode, Battery mode, Bypass mode and Fault indicators
ALARM	
Battery Mode	Required
Low Battery	Required
Over load	Required
Fault	Required
STANDARDS	
Ingress Protection	IP20
Safety	EN 62040 - 1
EMI / EMC	EN 62040 - 2
Performance	IEC 62040 - 3
Certification	Compliance - CE/ROHS
PROTECTIONS	
Input Over Voltage	Required
Input Under Voltage	Required
Over voltage cut off	Required
Short circuit /Over current protection	Required
Low Battery	Required

Technical Specification of 5 KVA UPS

Parameters	
Output power Capacity	5KVA/4000W
Topology	True Online Double Conversion UPS
INPUT	
Phase	Single Phase
Voltage	230VAC
Voltage Range	176-300VAC @100% Load
Frequency range	47 ~53 Hz
Power Factor	≥0.99
Generator Compatibility	Should be compatible to be used on genset supply
BATTERY	192-240VDC
Battery Charging	Constant Current & Constant Voltage
Backup time	30mins
VAH Required	4992VAH
OUTPUT	
Nominal Output Voltage	208/220/230/240V AC ± 1%, Single Phase
Frequency	50Hz ± 0.1Hz
Frequency Synchronisation	46 ~ 54 Hz
Voltage THD	≤ 2% THD (Linear Load) ≤ 5% THD (Non-Linear Load)
Crest Factor	3:1
Transfer time	Zero ms
Waveform	Pure sinewave
Galvanic Isolation	Required/Not Required
EFFICIENCY	
AC / AC (Overall efficiency)	≥ 92%
Eco Mode	97%
OVERLOAD CAPACITY	
105 - 110%	30min
110% - 130%	5min
COMMUNICATION	
RS232	Available
USB Com Port	Available
Intelligent Slot	SNMP / MODBUS - Optional
ENVIRONMENT	
Operating Temperature	0 ~ 40° C Continuous
Humidity	0 - 95% RH @ 0-40° C (Non - condensing)
Noise Level	Less than 55dBA @ 1 meter
EPO	Available
LCD DISPLAY	Load Level, Battery Level, AC Mode, Battery mode, Bypass mode and Fault indicators
ALARM	
Battery Mode	Required
Low Battery	Required
Over load	Required
Fault	Required
STANDARDS	
Ingress Protection	IP20
Safety	EN 62040 - 1
EMI / EMC	EN 62040 - 2
Performance	IEC 62040 - 3
Certification	ROHS
PROTECTIONS	
Input Over Voltage	Required
Input Under Voltage	Required
Over voltage cut off	Required
Short circuit /Over current protection	Required
Low Battery	Required
Isolation transformer	Optional

Technical Specification of 800 VA UPS (Backup time 30 min)

TECHNICAL SPECIFICATION OF 800VA UPS

Output

Output power capacity

480Watts / 800VA

Max Configurable Power (Watts)

480Watts / 800VA

Nominal Output Voltage

230V

Efficiency at Full Load

95.0 %

Output Frequency (sync to mains)

47 – 63 Hz

Output Frequency (not synced)

50Hz +/- 0.1% for 50Hz nominal

Topology

Line Interactive

Waveform type

Stepped approximation to a sinewave

Input

Nominal Input Voltage

230V

Input frequency

50 Hz +/- 3 Hz

Input Connections

India 3-pin 6A

Number of Power Cords

1

Efficiency at Full Load

95.0 %

Batteries & Runtime

Battery type

Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof

Typical recharge time

8hour(s)

Expected Battery Life (years)

2 – 4

Communications & Management

Control panel

LED status display with On Line : On Battery : Replace Battery and Building Wiring Fault

Audible Alarm

Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm

Surge Protection and Filtering

Surge energy rating

160Joules

Filtering

Full time multi-pole noise filtering : 5% IEEE surge let-through : zero clamping response time : meets UL 1449

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. _____