



PALAMURU UNIVERSITY :: MAHABUBNAGAR :: 509 001

TENDER NOTICE NO.197/E-TENDERS/ADMN/ITE/PU, DATED 12-09-2023.

E-TENDER NOTIFICATION FOR SUPPLY, INSTALLATION AND COMMISSIONING OF 10 KVA & 600 VA UPS TO PALAMURU UNIVERSITY CAMPUS COLLEGES AND PG CENTRES.

Online e-Procurement tenders are invited from OEMs for Supply, installation and commissioning of 10 KVA & 600 VA Online UPS system for use at Palamuru University Campus Colleges and PG Centres. The online Tender shall consist of two parts (i) Technical bid (ii) Commercial bid. The details of tender conditions and terms can be downloaded from the electronic procurement platform of Government of Telangana i.e., <https://tender.telangana.gov.in>. The Bidders need to register on the electronic procurement market place of Government of Telangana i.e., <https://tender.telangana.gov.in>. On registration on the e-Procurement marketplace they will be provided with a *User Id and Password* by the system using which they can submit their bids online. The University will not accept any bid submitted in the paper form. The bidders who are desirous of participating in 'e' procurement shall submit their Technical Bids etc., in the standard formats prescribed in the Tender documents displayed at 'e' market place. The bidders should upload the scanned copies of all the relevant certificates, documents etc., in the 'e' market place in support of their Technical bids. The bidder shall sign on all the statements, documents, certificates uploaded by him/her owning responsibility for their correctness / authenticity. The University shall carry out the Technical Bid evaluation solely based on the uploaded certificates / documents, DD towards EMD in the e-procurement system and open the price bids of the responsive bidders. The bidder is solely responsible for the correctness of the particulars furnished in the online bid form. The bid document can be downloaded from 13-09-2023 @ 2.00 PM to 27-09-2023 up to 3.00 PM Time and date of opening of tenders: (a) Technical Bid (PQ Stage) 27-09-2023 @ 3.01 PM followed by opening of commercial bid. Under no circumstances, they will be relaxed unless otherwise extended by an official notification. The Bidders need to contact Office of the Registrar, Administrative Building, Palamuru University Campus, Telangana State – 509001, for information on e-Procurement tender. Email: registrar@palamuruuniversity.ac.in , Contact No. : 7989731204.

The detailed tender documents can also be downloaded from the University's website www.palamuruuniversity.ac.in Please note that the application fee should be remitted through **Demand Drafts drawn in favour of the Registrar Palamuru University** and uploaded along with the e-tender bid. However original DD's must be handover to The Registrar, Palamuru University, on or before the last date and time. Bids not accompanied with the tender document fee are liable to be rejected. ***The EMD should be paid online in form of e-challan or net banking.***

**Sd/-
REGISTRAR,**



PALAMURU UNIVERSITY : MAHABUBNAGAR :: 509 001

TENDER NOTICE NO.197/E-TENDERS/ADMN/ITE/PU, DATED 12-09-2023.

E-TENDER NOTIFICATION FOR SUPPLY, INSTALLATION AND COMMISSIONING OF 10 KVA & 600 VA UPS TO PALAMURU UNIVERSITY CAMPUS COLLEGES AND PG CENTRES.

Sub: Palamuru University – Supply, Installation and commissioning of 10 KVA & 600 VA UPS To Palamuru University Campus Colleges And PG Centres – Regarding.

Palamuru University hereby invites e-procurement tenders from firms/distributors for providing supply, installation and commissioning of 10 KVA & 600 VA UPS To Palamuru University Campus Colleges And PG Centres.

Part – I
TENDER SCHEDULE

- | | |
|--|--|
| 1. Name of the Tender | : Supply, Installation and commissioning of 10 KVA & 600 VA UPS To Palamuru University Campus Colleges And PG Centre |
| 2. Sale of Tender Schedule | : From 13-09-2023 2:00 PM to 27-09-2023 at e-procurement website |
| 3. Closing date and time
(For receiving duly filled in tender bids) | : 27-09-2023 by 3.00 P.M. |
| 4. Submission of Tender bids | : e-tenders in two parts (i) Technical bid (Annex-I) and (ii) Commercial bid (Annex-II) should be submitted at e-procurement tenders |
| 5. Date & Time of opening | : 27-09-2023 at 3:01 P.M on E-procurement Website |
| 6. Earnest Money Deposit (EMD) | : EMD of Rs. 50,000/- (Rupees Fifty Thousand only)
Payable through online mode of payment in favour of Registrar, PU. The Tenders without accompanying EMD will not be considered and will be summarily rejected. |
| 7. Application Cost | : Application cost of Rs. 5,000/- (Rupees Five Thousand only) should be payable in favor of the Registrar, Palamuru University and should submit on or before last date and time. |
| 8. Security Deposit | : 5 % of the total cost of the product in the Form of Bank Guarantee in favour of The Registrar, Palamuru University, payable at Mahabubnagar from any Nationalized Bank, after award of the contract for a period of 90 Days. |
| 9. Warranty Period | : Onsite Warranty of the products installed should be 3 Yrs. |
| 10. Payment Terms | : No advance payment will be made. Payment will be arranged in accordance with the satisfactory Installation of the items. |
| 11. Agreement | : Agreement should be executed by the successful bidder upon issue of work order. However, EMD will be retain till the submission of Bank Guarantee. |

Sd/-
Registrar, PU.

Annexure-I

Technical Specification of 10 KVA & 600 VA UPS To Palamuru University Campus Colleges And PG Centres

The UPS panel should be self-supporting stand-alone type panel with mounting facility to install over the floor and 1 pit of Earthing System

Technical Specifications for 10 KVA Online UPS		
S.No	Requirement	Specification
1.	Technology	True online double conversion technology UPS system with IGBT based rectifier / inverter
2.	Capacity	10 KVA / 9 KW & UPS PF @0.9
3.	Parallel Operation	Should support up to 4 UPS in Parallel Operation
3.	Input Parameters:	
a.	Voltage	415 VAC, 3 Phase 4 Wire
b.	Voltage Range	320 to 476 VAC at full load, 190 to 476 at 50 % load
c.	Frequency	50 Hz
d.	Power Factor at rated load	Unity at full load
e.	Current Harmonic Distortion	Less than 5%
f.	Isolation Transformer	Built-in Double wound isolation transformer at Input Side should be provided. External unit is not acceptable
4.	Output Parameters:	
a.	Voltage	220/230/240 VAC +/- 1%, 1 Phase
b.	Frequency	50 Hz +/- 0.25 Hz (in Battery Mode) +/- 6% (in Sync)
c.	THD v	< 2 % for Linear Load ; < 5 % for Non Linear Load
d.	Overload rating	105 to 109 % - 10 min ; 110 to 129 % - 60 sec ; 130 to 150 % - 10 seconds
e.	Output waveform	Pure sinewave
f.	Crest Factor	3 : 1
g.	UPS Power Factor	0.9
h.	Over all Efficiency	≥ 92.5% full load
i.	Frequency Slew Rate	1 Hz / Sec (selectable)
5.	Battery Parameters:	
a.	Type	Sealed Maintenance Free Batteries (Exide / Amaranaraja / Amaron Quanta)
b.	Voltage	12 V
c.	End cell voltage	10.5 V per Battery
d.	Float Voltage	13.5 V per Battery
e.	DC Voltage	288 VDC
f.	VAH	24192 VAH (12V, 84AH x 24 Nos. of SMF Batteries)
g.	Battery Rack & Connectors	Powder coated battery rack / stand to be provide
h.	Transfer time	UPS to Battery Mode : 0 ms
i.	Charger	Constant Voltage / Constant Current / Float Charging with Temperature Compensated Charger
j.	Charging Capacity	10 % of the Battery AH Capacity
6.	Bypass:	
	Static Bypass	inbuilt
	Transfer time	< 4 ms in Sync Mode
	Bypass parameter configurable via front panel	Required
	Manual Bypass	Required (inbuilt)
7.	LCD Display / Alarm / Protection	
a.	Metering	Input Voltage, Frequency

		Output Voltage, Frequency, Current, Load level in %, Power
		Battery Voltage, Level in %
		Bypass Voltage, Frequency
		Event Log
		Battery Test
b.	Status Information	Normal, Bypass, Battery, Fault
		Converter Mode, Eco Mode, Bypass Mode, Battery Mode
c.	Fault / Warning Indication	Over Load, Charger Fail, Over Temperature, Inverter Fault, Short Circuit, DC low / High, Output Low / High, Fan Fail, Battery Disconnected
d.	Protection	Input High / Low, Overload, Short Circuit, Over Temperature, Battery Over Charge, Battery Deep Discharge, Back feed protection
e.	Audible Alarm	Battery Mode, Low Battery, Over Load, Fault, Over Temp, Bypass Mode
f.	Warranty	2 Years For Both UPS and Batteries
8.	Other Features:	
a.	Communication Port	RS 232 & USB - Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC
b.	SNMP Card	Optional
c.	Cold Start	Required
d.	Auto Restart	Required
e.	EPO	Required
f.	ECO Mode, CVCF	Features should be available in the UPS
g.	Generator Compatibility	Required
h.	Operating Temperature	0 to 45 Deg C
i.	Storage Temperature	0 to 60 Deg C
j.	Humidity	upto 95 %
k.	Altitude	< 1000 meters
9.	Certifications	
a.	Certifications	ISO 9001 2015, ISO 14001 2015, OHSAS 18001
8.	Make / Brand	Legrand Numeric / Vertiv (Emerson) / Schneider

Specification of 600 VA UPS

Technical Specifications for 10 KVA Online UPS		
S.No	Requirement	Specification
1	Capacity	600 VA
2	Input	
a	Voltage	230 V AC
b	Voltage Range	140-300 VAC
c	Frequency	50 Hz (±) 6%
3	Output	
a	Voltage (Batt. Mode)	230V AC (±) 10%
b	Frequency	50 HZ (±) 1%
c	Waveform	Stepped Sine Wave
4	Battery Type	Sealed Lead Acid Maintenance Free
a	Battery Capacity, Nos.	12V, 7AH, 1No.
b	Recharge Time	5 – 6 Hrs. for 90% charge
5	Backup Time*	Single PC Load with 24"LED Monitor Upto 30 Mins
6	Transfer Time	Typical : Less Than 4 Hrs.
7	Audible Alarm	Battery Discharge, Mains Fail, Battery Low, Overload.
8	Physical	Dimensions (HXWXD IN MM) 140 X 100 X 280
9	Weight	Net Weight 4.3 Kg
10	Protection	Full Protection: Under / Over Voltage, Spike / Overload, Short Circuit.
11	Environment	Operating Environment Noise Level: 32°F - 104° at full load, 0-90% elative humidity Non-Considering Less Than 45db
12	Make / Brand	Legrand Numeric / Vertiv (Emerson) / Schneider

PART – III

Terms and Conditions

1. Only OEMs (original equipment manufacturers) are permitted to quote against the requirements. They must submit a certificate obtained from OEMs to the effect that they are appointed as authorized dealers for this tender.
2. The reputed firms/contractors should submit their Non-refundable application cost of Rs.5,000/- (Rupees Five Thousand only) in favor of The Registrar, Palamuru University in form of Demand should be uploaded along with the e-tender bid however original DD's must be handover to The Registrar, Palamuru University on or before last date and time. The EMD of Rs. 50,000/- (Rupees Fifty Thousand Only) should be paid online only in form of e-challan or net banking.
3. The firms should have the requisite domain expertise with regard to supply, installation and after sales-service of the items.
4. The firm should have been in existence for at least last three years (Documentary proof is to be attached). The firm/OEM should have a strong installed base in Hyderabad and within India.
5. The Bidder shall possess valid A Grade Electrical Contractor License (only OEM Authorized) registered with State / Central Government – (Copy must be enclosed).
6. General Conditions: Bid shall be submitted in two parts viz., Technical & Commercial.
7. The following information must be filled by the tenderer with evidence (Documentary proof to be enclosed)
 - a) Registration Certificate
 - b) GST Registration Certificate
 - c) Pan Card
 - d) Annual Turnover of Rs. 20 Lakh in Last three financial year (2020-21, 2021-22 & 2022-23)
 - e) Documents in support of Technical specification of the 10 KVA UPS system & 600 VA
 - f) Detailed profile of the firm
 - g) OEM authorization certificate (MAF) should be submitted for 10 KVA UPS systems from the preferred make OEM only given in the tender.
8. The rates shall be constant for the entire period of the Contract, i.e. till the supply of the items mentioned in Purchase Order and will not be modified under any circumstances.
9. Validity of the offered price from L-1 should be 90 Days from the date of opening of Tender.
10. Offers received after the bid closing date/time shall not be considered.
11. Telex/Tele fax/E-Mail / through post and courier tenders are not accepted. Only online e-tender is accepted as per rules.
12. Any offer containing incorrect statement and incomplete information will be summarily rejected and no unsolicited correspondence shall be entertained.

13. The University reserves the right to accept /reject any offer in full or in part or accept any offer other than the lowest without assigning any reasons thereof.
14. All disputes or difference whatsoever arising between the parties relating to the contract shall be settled by the arbitration in accordance with the rules of arbitration of Indian Council of Arbitration and the Award made in pursuance thereof shall be binding on the parties. The venue of arbitration shall be Telangana, and the appointment of the arbitrator shall be done by the Registrar, Palamuru University.
15. The E.M.D of the unsuccessful tenderers will be refunded without any interest.
16. Performance Bank Guarantee @ 5% of total cost for period of 90 days of the tender will have to be submitted by the lowest (L-1) bidder after issue of Purchase Order and the EMD will be returned on receipt of the Bank Guarantee.
17. Vendor should have experience of successful Installation and Commission of UPS system in Govt. Universities & Educational Institutions, Govt. Departments/Public Sectors in last 3 years along with proof of execution providing copies of work orders with agreement.
18. The bidders should possess valid GST, EPF and ESI registration certificates, during installation if any accidents will be made the bidders have to take the responsibility.
19. Three similar works to be done and work orders, agreement copy enclosed.
20. Comprehensive Warranty Clause
 - a. Onsite Comprehensive warranty will be done by the seller.
 - b. Comprehensive Warranty shall include all supplies of spares, services, software support for operating system and other software supplied and installed under this package, patch management for OS, for maintaining availability of more than 95%.
 - c. Breakdown will be attended within twenty-four hours from the receipt of information at the local office of the Supplier.
 - d. Any device down beyond 24 hours of reporting will attract penalty at the rate of 0.2% of unit cost per day. If a device is down beyond a month, then it shall be replaced with a new one of same or higher configuration. The penalty will continue to apply till the new device is provided.
 - e. The seller can deposit the penalty with Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG) to the extent of the PBG amount.
21. The security deposit shall be liable to be forfeited wholly or partly at the sole discretion of the University if the tenderer either fails to Supply and install as per the tender terms or fails to fulfill the contractual obligations or fails to settle in full his dues to the Palamuru University.
22. In case of premature termination of the contract, the Security Deposit will be forfeited, and the University will be at liberty to recover the loss suffered by it & if additional cost is to be paid, the same shall be recovered from the bidder as Revenue Recovery Process.

23. Failure to comply with the terms of security deposit shall result into cancellation of purchase order and termination of the contract without any further reference to the tenderer and the EMD shall be forfeited.
24. Availability of service Centers: Bidder /OEM must have Service Centre in the District of Hyderabad
25. University has rights to increase or decrease the quantities of items as per the requirement.

Sd/-
REGISTRAR,
PALAMURU UNIVERSITY

GENERAL CONDITIONS

SCOPE OF SUPPLIES:

- a. The 10 KVA UPS system and 600 VA UPS System shall be supplied in compliance to the specifications mentioned in Annexure- I of the tender.
- b. The specifications of the UPS system and 600 VA UPS as mentioned in the Annexure-I are the requirements of tender, however higher specifications of UPS system and DG set may be considered subject to their cost economics i.e. competitiveness in financial terms for the particular location.
- c. After the supply of UPS system and 600 VA UPS as mentioned in the Annexure I, the bidder must execute its installation & commissioning at the designated site in the location(s). No extra cost shall be paid for this reason.
- d. The bidder shall offer on-site comprehensive warranty of UPS system and 600 VA UPS for at least three (02) years from the date of successful commissioning at the designated location. The purchaser is not liable to pay any extra charges on any account during warranty period.

DELIVERY

- a. The purchaser interested in complete delivery UPS system and 600 VA UPS by the bidder within thirty (30) calendar days from the date of issue of supply order. However, the bidders have an option to submit the best delivery time, but in any case the delivery should be before 60 days from the date of issue of supply order by purchaser.
- b. The material shall be inspected on receipt at site and bidder shall be responsible for any damage during the transit of UPS system and 600 VA UPS equipment.
- c. The bidder shall not arrange part shipments and/or trans-shipments without the permission of purchaser. The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/Installation & Commissioning shall be obtained by the bidder in his own name and not in the name of purchaser. The purchaser will as soon as possible but not later than 30 days from the date of arrival of goods at destination shall notify the bidder of any loss or damage to the goods.

After Sales Services

- a. The bidder shall ensure to render after sales services during the warranty period to the satisfaction of purchaser.
- b. The bidder will depute their engineer within three (03) working days to attend the service call received in writing from purchaser.

Financial Bid Submission

- a. Bidder shall consider of all costs including unloading at the location of purchaser, cartage etc. for giving delivery of material at site(s) "Instructions to the Tenderer" before quoting the rates. In this regard no claim what so ever shall be entertained.
- b. The "Price of UPS systems before Taxes & Duties" shall remain firm & inclusive of all costs involved for the delivery to the destination(s) which include the cost of Installation at destination, cost of services to be provided during Comprehensive Warranty of three years.

- c. No extra payment or revision of UPS systems before Taxes & Duties" shall be accepted on account of any discrepancy in nomenclature of items. The Bidder is advised to seek clarification, if any, desired before submitting the tender.
- d. No representation for the revision of the quoted UPS systems before Taxes & Duties" shall be considered till the supplies are completed to the designated location.

Validity of Tender:

- a. The tender shall be valid for a period of 90 days from the date of opening of the Technical Bid of tender. Terms and financial details submitted in the bid shall be treated as firm during the said period of 90 days.
- b. In exceptional circumstances, prior to the expiry of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.

Packing:

- a. The bidder shall provide packing of the UPS systems, as is required to prevent their damages or deterioration during the transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. In case the consignment received with damaged packaging, the purchaser would not accept the delivery.
- b. The UPS systems shall be securely boxed, crated and protected from mechanical damage, moisture etc. suitable for both storage and transit according to the nature of the material and mode of transport. The bidder shall be responsible for any loss/ damage to material during transportation to the designated location.

Causes of Rejection of Tender:

- a. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected.
- b. If any Bidder stipulates any condition of his own, such conditional tender is liable to be rejected.

Claims:

- a. If the specification of supplied UPS systems are found to be lower than those stipulated in the accepted offer, the purchaser shall have right to totally reject the supplied UPS System to claim for compensation from bidder. The bidder shall reimburse to purchaser, the claim lodged in writing within 15 (fifteen) days of its demand. The bidder shall also compensate for losses, if any, sustained by purchaser due to defective packing.
- b. The bidder shall be responsible for arranging the rejected UPS system to be removed at his cost from purchaser premises.

Annexure - II
TECHNICAL BID

1. Name of Tendering Company/Dealer with :
Registration No. & Date issued by appropriate
authorities (Please enclose copy of certificate of
registration)
2. Name of Chairman/Managing Director/Manager :
3. Furnish following particulars of the Registered Office :
 - a. Complete Postal Address :
 - b. Telephone No. :
 - c. Fax. No. :
 - d. E-Mail Address :
4. Furnish following particulars of Registered office if :
different from SI.No.4.
 - a. Complete Postal Address :
 - b. Telephone No. :
 - c. Fax. No. :
 - d. E-Mail Address :
5. PAN No. (Attach Attested Copy) :
6. GST No. (Attach Attested Copy) :
7. Service Tax Regn. No. (Attach Attested Copy) :
8. Financial turnover for the last three Consecutive financial :
Years Please attach copies of audited balance sheet and
IT returns for (2020-21, 2021-22 & 2022-23), (Attach
separate sheet if space provided is insufficient)
9. Give details of the major clients – Govt. Departments, :
PSUs, Educational Institution Research Organizations
(Copies of the Purchase Orders / Indents should be
attached for proof).
 - a. SI. No :
 - b. Name& address of the client with details :
 - c. Name of the contact person, :
 - d. telephone no., Fax no., :
 - e. e-mail id :
10. Details of Earnest Money Deposit D.D. No. and Date &
Name of the Bank

TECHNICAL COMPLIANCE SHEET

10 KVA ONLINE UPS SYSTEM with 2 Hours Backup

Technical Specifications for 10 KVA Online UPS			
S.No	Requirement	Specification	Compiled with Technical Specifications Yes / No
1.	Technology	True online double conversion technology UPS system with IGBT based rectifier / inverter	
2.	Capacity	10 KVA / 9 KW & UPS PF @0.9	
3.	Parallel Operation	Should support up to 4 UPS in Parallel Operation	
3.	Input Parameters:		
a.	Voltage	415 VAC, 3 Phase 4 Wire	
b.	Voltage Range	320 to 476 VAC at full load, 190 to 476 at 50 % load	
c.	Frequency	50 Hz	
d.	Power Factor at rated load	Unity at full load	
e.	Current Harmonic Distortion	Less than 5%	
f.	Isolation Transformer	Built-in Double wound isolation transformer at Input Side should be provided. External unit is not acceptable	
4.	Output Parameters:		
a.	Voltage	220/230/240 VAC +/- 1%, 1 Phase	
b.	Frequency	50 Hz +/- 0.25 Hz (in Battery Mode) +/- 6% (in Sync)	
c.	THD v	< 2 % for Linear Load ; < 5 % for Non Linear Load	
d.	Overload rating	105 to 109 % - 10 min ; 110 to 129 % - 60 sec ; 130 to 150 % - 10 seconds	
e.	Output waveform	Pure sinewave	
f.	Crest Factor	3 : 1	
g.	UPS Power Factor	0.9	
h.	Over all Efficiency	≥ 92.5% full load	
i.	Frequency Slew Rate	1 Hz / Sec (selectable)	
5.	Battery Parameters:		
a.	Type	Sealed Maintenance Free Batteries (Exide / Amararaja / Amaron Quanta)	
b.	Voltage	12 V	
c.	End cell voltage	10.5 V per Battery	
d.	Float Voltage	13.5 V per Battery	
e.	DC Voltage	288 VDC	
f.	VAH	24192 VAH (12V, 84AH x 24 Nos. of SMF Batteries)	
g.	Battery Rack & Connectors	Powder coated battery rack / stand to be provide	
h.	Transfer time	UPS to Battery Mode : 0 ms	
i.	Charger	Constant Voltage / Constant Current / Float Charging with Temperature Compensated Charger	
j.	Charging Capacity	10 % of the Battery AH Capacity	
6.	Bypass:		
	Static Bypass	inbuilt	
	Transfer time	< 4 ms in Sync Mode	
	Bypass parameter configurable via front panel	Required	
	Manual Bypass	Required (inbuilt)	
7.	LCD Display / Alarm / Protection		
a.	Metering	Input Voltage, Frequency	
		Output Voltage, Frequency, Current, Load level in %, Power	
		Battery Voltage, Level in %	
		Bypass Voltage, Frequency	
		Event Log	
		Battery Test	
b.	Status Information	Normal, Bypass, Battery, Fault	

		Converter Mode, Eco Mode, Bypass Mode, Battery Mode	
c.	Fault / Warning Indication	Over Load, Charger Fail, Over Temperature, Inverter Fault, Short Circuit, DC low / High, Output Low / High, Fan Fail, Battery Disconnected	
d.	Protection	Input High / Low, Overload, Short Circuit, Over Temperature, Battery Over Charge, Battery Deep Discharge, Back feed protection	
e.	Audible Alarm	Battery Mode, Low Battery, Over Load, Fault, Over Temp, Bypass Mode	
f.	Warranty	2 Years For Both UPS and Batteries	
8.	Other Features:		
a.	Communication Port	RS 232 & USB - Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC	
b.	SNMP Card	Optional	
c.	Cold Start	Required	
d.	Auto Restart	Required	
e.	EPO	Required	
f.	ECO Mode, CVCF	Features should be available in the UPS	
g.	Generator Compatibility	Required	
h.	Operating Temperature	0 to 45 Deg C	
i.	Storage Temperature	0 to 60 Deg C	
j.	Humidity	upto 95 %	
k.	Altitude	< 1000 meters	
9.	Certifications		
a.	Certifications	ISO 9001 2015, ISO 14001 2015, OHSAS 18001	
8.	Make / Brand	Legrand Numeric / Vertiv (Emerson) / Schneider	

Specification of 600 VA UPS with 30 Mins Backup

Technical Specifications for 10 KVA Online UPS			Compiled with Technical Specifications Yes / No
S.No	Requirement	Specification	
1	Capacity	600 VA	
2	Input		
a	Voltage	230 V AC	
b	Voltage Range	140-300 VAC	
c	Frequency	50 Hz (±) 6%	
3	Output		
a	Voltage (Batt. Mode)	230V AC (±) 10%	
b	Frequency	50 HZ (±) 1%	
c	Waveform	Stepped Sine Wave	
4	Battery Type	Sealed Lead Acid Maintenance Free (Exide / Amararaja / Amaron Quanta)	
a	Battery Capacity, Nos.	12V, 7AH, 1No.	
b	Recharge Time	5 – 6 Hrs. for 90% charge	
5	Backup Time*	Single PC Load with 24"LED Monitor Upto 30 Mins	
6	Transfer Time	Typical : Less Than 4 Hrs.	
7	Audible Alarm	Battery Discharge, Mains Fail, Battery Low, Overload.	
8	Physical	Dimensions (HXWXD IN MM) 140 X 100 X 280	
9	Weight	Net Weight 4.3 Kg	
10	Protection	Full Protection: Under / Over Voltage, Spike / Overload, Short Circuit.	
11	Environment	Operating Environment Noise Level: 32°F - 104° at full load, 0-90% relative humidity Non-Considering Less Than 45db	
12	Make / Brand	Legrand Numeric / Vertiv (Emerson) / Schneider	

Annexure – II
COMMERCIAL BID

S. No.	Description	Qty.	Rate	Amount
1	10 KVA online UPS System with 1 Hr. Backup (UPS panel should be self-supporting stand-alone type panel with mounting facility to install over the floor and 1 pit of Earthing System)	1		
2	600 VA Online UPS System with 30 Mins Backup	1		
Total Amount				
GST Extra as applicable				
Grand Total Rs.				

- University has place the supply order as per the requirement.

ANNEXURE-IV

PERFORMANCE BANK GUARANTEE ON SECURITY DEPOSIT

This deed of Guarantee made on..... day of Month & Year by Name & Address of the bank (hereinafter called the "GUARANTOR") on the one part, on behalf of M/s Name & address of the Firm (hereinafter called the "FIRM") in favour of The Registrar, Palamuru University, Mahabubnagar, on the following terms and conditions.

Whereas the FIRM is entering into an agreement with PALAMURU UNIVERSITY for providing and fixing of Wi-Fi Access Points and networking in Palamuru University Campus and this guarantee is being made for the purpose of submission of Security money required to be deposited at the time of signing of the agreement between Palamuru University and FIRM.

Know all people by these presents that the GUARANTOR, hereby undertake to indemnify and keep Palamuru University indemnified up to the extent of Rs...../- Rupees in words..... only) during the validity of this bank guarantee and authorize Palamuru University to recover the same directly from the GUARANTOR. This bank guarantee herein contained shall remain in full force and effect till the expiry of its validity or till any extended period (if extended by the bank on receiving instructions from FIRM.). The liability under the guarantee shall be binding on the GUARANTOR or its successors.

Whereas the GUARANTOR further agrees that their liability under this guarantee shall not be affected by any reason of any change in the offer or its terms and conditions between the FIRM and Palamuru University with or without the consent or knowledge of the GUARANTOR.

Whereas the GUARANTOR further agrees to pay guaranteed amount hereby under or part thereof, on receipt of first written demand whenever placed by Palamuru University during the current period of this guarantee. The GUARANTOR shall pay Palamuru University immediately without any question, demure, reservation or correspondence.

Whereas the GUARANTOR hereby agrees not to revoke this guarantee bond during its currency period except with the previous consent of Palamuru University in writing.

Notwithstanding anything contained herein

- Our liability under this bank guarantee shall not exceed Rs..... (Rupees in words only)
- This Bank guarantee shall be valid up to Rs...../- (Rs. In words.....only).
- We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only against the written claim or demand on or before

Sealed with the common seal of the bank on thisday of (Month) and (Year).

Witness:

1.....

2.....

(Signature and seal of the bank)

SIGNATURE AND STAMP OF THE TENDERER

END OF THE DOCUMENT