



International and Inter University Centre for Nanoscience and Nanotechnology

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Dr. Nandakumar Kalarikkal
Hon: Director

Date: 30./01/2019

Quotation No.25/Quot-TendIIUCNN/2018-2019

INVITING QUOTATION

Tenders are invited from companies/firms for supplying the UPS and UPS battery for Vibrating Sample Magneto Meter Room below at the International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam.

Names of the equipments	SUPPLY&INSTALATION OF 20 KVA TRUE ONLINE UPS SYSTEM 3PHASE IN 3PHASE OUT 384 VDC WITH INBULT ISOLATION TRANSFORMER
Last date and time of submission of relevant documents by speed post	11.02.2019. at 2PM
Date and time of opening of technical bid	12.02.2019 at 10AM
Date and time of opening of financial bid	12.02.2019 at 10.30 AM

IIUCNN reserve the right to accept or reject any/all quotations without assigning any reason whatsoever. For more details, please visit www.iiucnn.com or <https://www.mgu.ac.in/>

Regards

Hon.Director

SUPPLY&INSTALATION OF 20KVA TRUE ONLINE UPS SYSTEM 3PHASE IN 3PHASE OUT 384 VDC WITH INBULT ISOLATION TRANSFORMER

Input	
Rated A Voltage	380V / 400V/ 415V AC (3Ph +N+PE)
Voltage Range	290V~480V AC \pm 5V
Frequency Range	50 / 60 Hz \pm 10% Auto Sensing
Power Factor	0.92
Walk-in time	5~ 300 Sec. (Configurable)

BYPASS	
Rated Voltage	380 V/ 400V/ 415V AC (3Ph + N + PE)
Voltage Range	+20%, -30% (Configurable)
Frequency Range	50 / 60 Hz \pm 10 % (Configurable)

Battery	
Battery Voltage	384V DC Standard (360 ~ Configurable)
Ripple	1%
Charging Current Max. (A)	0.10C to 0.25C upto 100 ~ 300Ah at 100% Load (Configurable)

Out Put	
Rated Voltage	380 V / 400V/ 415V AC (3Ph + N)
Frequency Range	Auto sensing 50/60Hz \pm 1 ~ 10% Sync Mode (Configurable), 50/60 Hz \pm 0.1 Hz Battery Mode
Voltage Regulation	\pm 1%
Harmonic Distortion (THDv)	\leq 2% Linear Load, \leq 5% Non – Linear Load
Crest Factor/Transfer Time	3: 1 / Zero
Efficiency	Up to 95% Dual Conversion Mode, 99% ECO Mode
Overload	\leq 125 % for 10 Min, \leq 150% for 1 Min, \geq 150% for 300 ms

SYSTEM FEATURES	
Parallel	Up to 6 units (Optional)

Display	LED + LCD Screen 10-60 KVA	6.7 Inch Touch Screen 80 – 120 KVA	5.7 Inch LCD + LED 160-250 KVA
IP Rating	IP 20		
Alarm/Protection	Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC BUS Under/ Over Voltage and Battery Low		
Audible Alarms	Alarm for batt. Low, DC Hig, Inverter Under/ Over Voltage, Overload, Short Circuit, Fan Failure & UPS Fault		
LED Indications	Bypass, Mains, Battery an Fault		
LCD DISPLAY Information	Input Voltage & Freq.: Output Voltage, Current, KVA, KW, Total Power, PF, Load % per Phase, Load % Total & Freq.: Bypass Voltage & Freq.: Inverter Voltage & Freq.: Battery Voltage, DC Bus Voltage, Charging Current, Discharging Current, Temperature		

ENVIOURMENTAL	
Temperature	Operating : 0~45°C, Storage: -10°C~55°C
Humidity / Altitude	0~95% RH Non- considering / < 1500 M
Noise	Low Audible Noise Level

STANDERDs	
Quality	ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, RoHS
Safety	IEC/EN62040 – 1
EMC/Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE

Physical											
Dimensions WxDxH (mm)	430×830×1100				720 × 690 × 1400		880 × 760 × 1600		1400 × 900 × 1600		
	Weight (Kg)	10K VA	20K VA	30K VA	40K VA	60K VA	80K VA	100 KV A	120 KV A	160 KV A	200 KV A
	210	220	226	260	390	470	650	690	1460	1540	1580

COMMUNICATION INTERFACE	
Standard	RS – 232

Optional	SNMP/ Mod Bus/ Dry Contact / USB/ RS – 485
Monitoring Software	Net Agent Utility v 5.8/ View Power / UPSilon 2000/ Muser 4000

TERMS AND CONDITIONS:-

1. The quoted Price should be inclusive of all taxes/freight/Installation etc
2. Customs/ Excise Duty Exempted price should also be quoted
3. The quotation should have at least Three Months validity
4. Brand name of the equipments should be mentioned and Brochure to be enclosed
5. Warranty conditions, nearest servicing centers details, user reference, necessary supporting catalogues and demonstration should be provided
6. The right to accept or reject quotes without assigning any reason rests entirely with the undersigned
7. If the product has a Valid DGS & D rate contract, it may be quoted
8. If the date of receipt and opening of quotation is declared a holiday, the next working day shall be the last day for the purpose.
9. Atleast two users should be trained by the application engineers during the time of installation.
