

**PURCHASE OF 2 NOS. OF NEW 10 KVA ONLINE UPS (UNDER BUY BACK SCHEME)
TO THE COMPUTER LAB OF COMPUTER SCIENCE AND ENGINEERING OF COLLEGE
OF ENGINEERING AND MANAGEMENT PUNNAPRA**

Specification of- 10 KVA ONLINE UPS		
Phase	3 phase input & 1 phase output	
Capacity	10KVA	
Input		
Nominal voltage	400 VAC (3 PHASE + N)	
Voltage Range	310 - 475 VAC(3- phase) @ 100% load	
Frequency Range	46 ~ 54 HZ	
Power factor	≥ 0.98 @ 100% load	
THDi	< 6% @ 100% load	
Output		
Output Voltage	230 +/-5% VAC	
AC voltage Regulation (Battery Mode)	±1%	
Frequency Range (Synchronized Range)	46 ~ 54 HZ	
Frequency Range (Battery Mode)	50Hz ± 0.1 Hz	
Current Crest Ratio	3 : 1 (max)	
Harmonic Distortion	≤ 2% THD (Linear Load); ≤ 5% THD (Non Linear)	
Transfer Time	AC Mode to Batt. Mode	Zero
	Inverter to Bypass	Zero

Waveform (Batt. Mode)	Pure Sinewave
AC Mode Efficiency	>90%
Battery	
Battery Type	Tubular
Battery Make	Exide or Equalant make
Battery voltage	12V
DC bus Voltage	240 VDC
Battery Capacity	100 AH or More
Number OF Batteries	20 with Rack
Backup Time	2 hour or above
Indicators	
Display panel	UPS Status, Load Level, Battery Level, input / Output Voltage etc
Alarm	
Sound Indications	Battery Mode, Low Battery, Overload, Faulty Condition etc.
Environment	
Operation Humidity	0-95 % RH @ 0-50° C non condensing)
Enclosure Protection Grade	IP 20
Management	
Smart RS - 232/USB	Shall support windows [®] /XP/Vista/2008 Windows [®] 7/8, Linux, Unix, and MAC.
Optional SNMP	Power management from SNMP manager and web browser

RoHS , CE Certificate		Required
Certificates		
RoHS , CE Certificate, ISO 14001:2004,& ISO9001:2008		Manufacturer
Safety & EMC standards		
EN 62040-1, CE, IEC 61000-4, IEC 62040-2		Should have to provide valid test certificate for the above and the model for which you are quoting
IF NON OEM BIDDING		
Manufacturer Autharsation Certificate required		
-TVSS-25KA-Three Phase required at the input side of ups for protecting surge supression and it should be same brand of quoting ups		
Make		Shall be same as UPS brand quoted
Capacity		25KA
Connection Type		Parallel
Operting Frequency		45-65Hz
Operting Voltage		Plus/Minus 15%
Response Time		<0.5 ns
Status Indication		LED, Dry Contact
Certification		ANSI/UL1449

WARRANTY		
UPS		3 year Replacement warranty
Battery		4 year Replacement warranty

The supply of 10 KVA UPS and 100 Ah tubular batteries are to be done as per buy back scheme. So you are requested quote your offer for the old faulty UPS and batteries which have to be taken back by you.

Summary specification of faulty UPS

UPS – 10 KVA Numeric make – 2 nos.

(3 phase input & single phase out put)

Battery – 12 V, 100 Ah, Tubular excide make – 40 nos.

Sd/-
PRINCIPAL