

INDIAN INSTITUTE OF TECHNOLOGY GOA

At Goa Engineering College Campus, Farmagudi, Ponda, Goa-403401

GSTIN: 30AABAI1653D1ZF

PAN: AABAI1653D

TAN: BLRI08261B

Enquiry No: IITGOA/CITS/2018-19/001

Date: 31/08/2018

Item required at IIT Goa

Sl. No	Description of Item	Qty
1	20 KVA Online UPS as per the below specification.	01

Technical Specification	
MODEL	
Capacity VA	20kVA
Power Watt	18KW
INPUT	
Input Voltage Range	380 VAC - 15% + 18%, 3P + N + PE
Input Power Factor	At full Load > 0.9
Input Frequency Range	46 - 54 Hz
Rectifier	IGBT
OUTPUT	
Output Voltage Range	230 VAC P + N \pm 1% Static
Efficiency	90 to 94%
Output Frequency Range	50Hz \pm 0.5% synchronous with the network
Output Voltage THD	Linear Load < 2% / Non-Linear Load < 5%
Crest Factor (CF)	3:1
Overload Capacity	At % 125 load 10 min, at % 150 load 1 min.
Protections	<ul style="list-style-type: none">- Input phase reverse / failure- Input / output voltage out of tolerance- Output phase failure- Out put Short Circuit- Inverter Overload. - Over temperature- DC High- DC Low- Output Short Circuit

BATTERY	
DC Volts	240VDC
Charge Value (C)	Nominal 0.1 C, adjustable
Battery Rating for 20kVA UPS for 1-hour back up time.	12V 100AH 20nos Sealed Maintenance Free Batteries for 1-hour back up on full load.
Battery Charging Current:	Minimum 10A.
COMMUNICATION	
Communication Port	RS232 Standard, SNMP Adapter option
Dry Contact	Optional
Protocol	SEC, TELNET
CERTIFICATES	
Quality	ISO 9001 - ISO 140001, - ISO 18001
Standard	EN62040, EN 62040-1
EMC/LVD	EC/IEC61000-3, EC/IEC61000-4-5
GENERAL	
Technology	Online, Double conversion, DSP Controlled
Design	Stand alone and Hot Standby
Operating Temperature	For UPS 0°C ~ 40°C,
Storage Temperature	UPS - 15°C ~45°C, Batteries -10°C~ 60°C
Protection Class	IP20
Chassis	Anti-Static Paint Protection
Humidity	0 - 95 %
Isolation Transformer	Built in.
Display	Input/out Voltage, Frequency, current, Battery Voltage
LED Indication	Mains, Inverter on, Mains high/Low, Load on battery/ Bypass, Under/Over voltage, Overload, Battery change

Terms and Conditions:

1. Validity of the quotation should be 60 days.
2. Payment will be done on Satisfactory Installation.
3. GST @ 18%.
4. For any query you may contact us on 0832-2490860 / 9900882272; sysad@iitgoa.ac.in/ purchase@iitgoa.ac.in
5. You are requested to send the sealed quote and the product specification directly to The Registrar, IIT GOA, GEC Campus, Farmagudi, Ponda, Goa – 401403 latest by 15th September, 2018