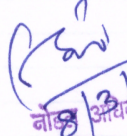


Technical Specification of 10 KVA Online UPS


Bidding Schedule

Date of publishing Tender document	09/03/2019
Last date for Submission of tender	16/03/2019
Date and timing of opening of Tender (Tentative)	18/03/2019
Place of opening of Tender	RUSA Pariyojna Nideshalay Doon University Faculty Lodge Kedarpuram Dehradun- 248012
Address for Communication	RUSA Pariyojna Nideshalay Doon University Faculty Lodge Kedarpuram Dehradun- 248012


13/3/19
नोड ऑफिसरी
राष्ट्रीय उच्चतर शिक्षा अभियान (रसा)
उत्तराखण्ड, देहरादून

1- Technical Specification of 10 KVA Online UPS

Phase	3 Phase in 1 Phase out	
Capacity	10000 VA/ 9000 W	
Input Characteristics		
Nominal Voltage	3x400 VAC (3Ph+N)	
Voltage Range	310-478 VAC (3 Phase) @ 100% Load	
Frequency Range	46-54 Hz	
Power factor	≥ 0.99 @ 100% load	
THDi	< 6% @ 100% load	
OVCD	Inbuilt OVCD	
Output Characteristics		
Output Voltage	230 VAC	
AC Voltage Regulation (Battery Mode)	$\pm 1\%$	
Frequency Range (Synchronized Range)	46-54 Hz	
Frequency Range (Battery Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio	3:1 (max.)	
Transfer Time	AC Mode to Batt. Mode	Zero
	Inverter to Bypass	Zero
Waveform (Battery Mode)	Pure Sine Wave	
AC Mode Efficiency	>92%	
ECO Mode Efficiency	97%	
Battery Characteristics		
Battery Type	12V 100 AH SMF	
Number	18-20 (Adjustable)	
Charging Current (max.)	12A settable to 2/4/6/8/10/12 Amps	
Indicators		
LCD Panel	UPS status, Load level, Battery level, Input /Output voltage, Discharge timer and Fault conditions	
Alarm		
Battery Mode	Beep every 4 Seconds	
Low Battery	Beep every Second	
Overload	Beep Twice every Second	
Fault	Continuously Beeping	
Environment		
Operation Humidity	0-95 % RH @ 0- 50°C	
Noise Level	Less than 58dB @ 1.5 Meter	
Others		
Smart RS-232/USB	Supports Windows® XP, Windows® 7/8, 10	
Third Party Test report	Yes	
Protection	Overload/Short Ckt. /Battery Deep Discharge / Low Battery/Reverse Battery/Inverter Current Limitation / Over Temperature / Output Over voltage.	
Optional features	RS 232 communication port for interfacing, Remote monitoring	
Testing standards	Safety: IEC/EN 62040-1-1	
Surge Protection standard	SURGE : IEC/EN 61000-4-5	

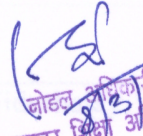

 नोहर अहिमरी
 राष्ट्रीय उच्चतर शिक्षा अभियान (रुसा)
 उत्तराखण्ड, देहरादून

2- Detail of Battery for Buy Back

Sl. No.	Battery Detail
1	12V 100 AH SMF Battery
2	12V 26 AH SMF Battery

3- Bidders qualification

- i- The bidder must have a GST registration.
- ii- The bidder should have a PAN number.


लोकल शिकोरी
राष्ट्रीय उच्चतर शिक्षा अभियान (रसा)
उत्तराखण्ड, देहरादून