

## EQUIPMENT CONFIGURATION & COMPLIANCE

(Supply , installation and commissioning of 01 Nos of Online UPS System)

**10 KVA on-line UPS Three phase input & single phase output**

Name of Vendor:

Make:

Model:

SNo.	Feature	General Configuration Specifications	Configuration Offered
1.	UPS Rating	10 KVA <del>Three</del> Single Phase input & Single Phase out put with inbuilt isolation Transformer	
	Technology	Digital Signal Processor design PWM Technology with IGBT/Thyristor	
2.	<b>INPUT</b>		
	Nominal Voltage	150/170V -270 VAC(+20% to -35%) Single Phase	
	Nominal frequency	50Hz (+/- 6%)	
	Input Power Factor	>0.95	
3.	<b>BATTERY</b>		
	No.Of Hours of Backup	120 minutes( 2Hours)	
	Battery Voltage	Specify as per Backup requirement	
	Type	Sealed Maintenance free (SMF)	
	Make	Exide	
4	<b>OUTPUT</b>		
	Power Capacity	10 KVA	
	Load Power factor	0.7 lag to unify within KVA rating	
	Nominal Voltage	220/230/240 VAC, Single Phase	
	Frequency	50 Hz (+/- 0.25Hz)	
	Phase Displacement	<1 degree	
	Waveform	True Sine wave	
5	<b>EFFICIENCY (At full load &amp; nominal input voltage)</b>		
	Inverter efficiency (DC to AC)	>90%	
	Converter Efficiency	>85%	
	Overall efficiency	>85%	
6	<b>METERING/LCD Digital Display</b>		
		Input Voltage Battery Voltage Output Current (%) Input Current Battery Current	

		Output Voltage Date & Time	
7.	<b>INDICATORS/ALARMS</b>	Battery low pre-alarm Battery low Load on Battery, UPS Indicator Load on Bypass Inverter faulty Battery status indicator Mains, Inverter, Output on Indicator & Others, if any, specify	
8	<b>PROTECTIONS</b>		
		Input Under/Over Voltage Rectifier over voltage Rectifier over current Battery low Battery Charging Current limit Output Under Voltage Output Over Voltage Output overload Output Short circuit Inverter over temperature Input, Bypass, Battery circuit Breaker & others, if any, specify	
9.	<b>COMMUNICATION INTERFACE</b>		
	Standard	LAN connectivity/RS232 Port for Software Interface	
	Optional	SNMP facility, preference for inbuilt provision to be available in the UPS	
10	<b>PHYSICAL</b>		
	Color	Specify	
	Dimensions	Specify width, depth, height, weight	
11	<b>BATTERY BANK</b>		
	Battery	SMF VRLA	
	Make	Exide	
	Battery AH	Specify	
	Minimum Battery VAH rating (Min VAH)	32000	
		Battery should provide with suitable trollys/stand	
12	<b>WARRANTY</b>		
	UPS & BATTERY	36 Months Comprehensive on-site warranty covering the total equip- ment from the date of installation including spare replacement with maintenance.	