

SECTION – III
REVISED TECHNICAL SPECIFICATIONS

Sl. No.	Particulars	Specifications	
1	7.5 KVA Inverter	Make	Microtech/ Luminous
		Phase	Single Phase
		Frequency	50 Hz
		Waveform	True sine wave
		Input AC Range	110 V ~ 295 V
		Input DC Range	120 ~ 173 +/- 1 V
		Output voltage	230 V
		Peak Efficiency	>88%
		Noise level	<45 db
		THD	<3%
		Ambient temperature/ Relative	0-45 ⁰ / 0-95%
		Warranty	2 (two) years
	Protections	Overload	105% - 125% with many times auto-reset
		Short-circuit	300%
		Charging current	10.0 A (settable +/a 5.0A)
Low battery cutout		120V+/-1V	
	Separate Output with TDR	3~5 minutes TDR	
2	Battery for 7.5 KVA Inverter	Make	Luminous/ Exide
		Battery	Inverter grade battery
		No. of Battery	12 battery system
		Volts	144 volts
		Backup	3 hours
		Warranty	3 years replacement warranty
		AH	150
3	3 KVA Inverter	Make	Microtech/ Luminous
		Phase	Single Phase
		Frequency	50 Hz
		Waveform	True sine wave
		Input AC Range	110 V ~ 295 V
		Input DC Range	40 ~ 55.2 +/- 1 V
		Output voltage	230 V
		Peak Efficiency	>82%
		Noise level	<45 db
		THD	<3%
		Ambient temperature/ Relative	0-45 ⁰ / 0-95%
	Warranty	2 (two) years	
	Protection	Overload	105% - 125% with many times auto-reset
		Short-circuit	300%
Charging current		10.0 A (settable +/a 5.0A)	
	Low battery cutout	40V+/-1V	
4	Battery for 3 KVA Inverter	Make	Luminous/ Exide
		Battery	Inverter grade battery
		No. of Battery	4 battery system
		Volts	48 volts
		Backup	3 hours
		Warranty	3 years replacement warranty
	AH	150	
5	Rack	Rack for 7.5 & 3 KVA Inverter	Mild Steel rack
6	Cable & Earthing	Single Core Copper cable from inverter to all the light, fan, computer and main control panel of the building with casing & capping and change over switch.	