

Specification of Generator

S.N	Parameters	Specifications	Rmk
1	Type	Diesel genset for continuous power supply running at ambient temp -5 deg celcius to 50 deg celcius, Auto Switching with synchronization panel.	
2	Phase & Wires	3 phase 4 wires	
3	Power Factor	0.8	
4	Rated Gen-set output	230V/400V, 50HZ	
5	Engine Type	Minimum 3cyl turbocharged Diesel Engine	
6	Cooling mode	Water cooled	
7	Steady speed regulation	≤5%	
8	Governer Type	Mechannical or better	
9	Power Output	45± 5 KVA	
Alternator			
10	Type	A.C. Synchronous , self regulated	
	Voltage Regulation	≤±1%	
	Waveform Distortion	no load ≤2.5% ; Non-distorting balanced linear load≤5%	
	Excitation	AVR, Brushless	
11	Efficiency	Minimum 85%	
12	Insulation Class	H or better	
13	Protection Class	IP23 or better	
14	Control Panel	Digital or equivalent to Deep sea electronic panel	
15	Canopy	Enclosure must be modular sound attenuated, weather proof.	
		Door handle must be lockable type	
		Maximum 75dB @ 1 meter	
16	Continuous Operation	Minimum 12 hours	
17	Features	Base integrated fuel tank	
		Anti-vibration pads should be fixed between engine and alternator.	
		Base Frame including position for forklift and lifting hook for crane to lift and move	
18	Standard	ISO or Equivalent	
19	Manufacture Year	2019 onwards	
20	Warranty	Minimum 2 Years Warranty after delivery/ provided by OEM (whichever is greater)	
21	Final Delivery Requirement	Equipment operational demonstration and verification by the supplier during delivery of the equipment	

