

Technical Specification:

Generator Details:

Diesel Generating Set:

60KVA Prime & 66 KVA Standby at 1500 rpm, 50 Hz, 3 phase, 4 wire, 400/230 volts at 0.8 power factor. All other details are as follows:

SL	Component	Description of Items	Unit	Qty
1	Items	Diesel Generating Set	Set	01
	Model	Mention By Bidder		
	Brand	Any International Reputed Brand		
	Origin	EU		
	PORT of Shipment	EU		
	Prime Capacity	60KVA		
	Standby Capacity	66KVA		
	Start System	Automatic Microcontroller based as well manual Start / Stop System		
	Emergency Stop	Emergency Stop available as protection device		
	Vibration Skid	Built-in vibration skid for smooth operation		
	Battery Charger	Auto Battery Charger (ABC) included		
	DIMENSION (Open Set) (Cm)	To be mention by bidder		
	Fuel Consumption	To be mention by bidder		
	Fuel Tank Capacity	To be mention by bidder		
1.1	Engine Details			
	Model	Mention By Bidder		
	Brand	Any International Reputed Brand		
	Origin	EU		
	Engine Type	4 stroke multy cylinder industrial diesel Engine suitable for tropical environment		
	Cooling System	Water cooled (Radiator cooled with engine driven fan)		
	Protection	Over speed, under speed, oil pressure, Over heating etc		
	Fuel Tank	Built in with base		

1.2	Alternator Details			
	Industrial brushless AC Alternator model all other details are as follows			
	Model	Mention By Bidder		
	Brand	Any International Reputed Brand		
	Origin	EU		
	Frequency	50Hz		
	PHASE	3 Phase		
	Output (Volts)	400/415 volts (Line to line)		
	COOLING	Air cooling		
	Insulation Type	Class " H "		
	PROTECTION	Industrial brushless design screen protected, fan ventilated, drip-proof, self- exciting in accordance with IP23.		
	Voltage Regulator	Automatic Voltage Regulator (AVR)		
	Voltage Regulation	$\pm 1\%$ / $\pm 1.5\%$ power factor between 0.8 lagging & unity (Depends on Connected Load)		
1.3	Control Module			
	Fetcher	Deep Sea Electronics (DSE), control system is incorporated with automatic set to manually & automatically start & stop the generator indicating the operation status and fault condition via a graphical LCD display and a flashing LED on the front panel. All other details are as follows.		
	Control Module Type	Auto start (AMF) digital control module		
	Operation	Operation of the module is via push buttons mounted on the front panel with STOP, AUTO and MANUAL position etc.		
	Digital Instruments	Ammeter, Voltmeter, Frequency meter, run hour meter, Oil Pressure, Water Temperature etc.		
	Alarm Indicator	Under/Over Volts, Under/over speed, Under/Over Frequency, Low Oil Pressure, High Engine Temperature, Fail to Start and Loss of speed sensing etc.		
	Load Transfer Time	Adjustable, Delay on start 1 to 25 sec, Delay on transfer 1 to 70 sec		

	Engine Cooling Time	5 minutes maximum		
	Phase Failure Relay	Digital operation & control for Main's upper lower cut off voltage setting and adjustable hysteresis voltage, sensing operation etc.		
1.4	Automatic Transfer Switch (ATS)	Local built ATS will be supplied in a suitable steel enclosure wall mounted, fuses, magnetic contactor coil, indicators etc.		
	Interlocking	Electrical as well as mechanical		
	Magnetic Contactor /Motorized switch	3 Pole		
	Brand of Breaker	ABB or Equivalent Europe origin		
	Paint	Powder coated		
1.5	Acoustic Canopy	Local built Acoustic Enclosure will reduce the sound level to 75 dBA @ 3 meter in open space and is complete with. <ul style="list-style-type: none"> - Air inlet and outlet options at the alternator and radiator ends respectively. - Hinged access doors on either side with proper locking options. - Silencer. - Cable entry gland apertures. 		
1.6	Standard Items	The following items will be supplied with the gen-set as standard:		
		(i) Lead Acid Battery 12/ 24 Volts as required (ii) Silencer (iii) Rubber anty vibration mountains (iv) Flexible Bellows (v) Battery charger (vi) Main Line 3 pole Circuit Breaker (vii) Alternator mounted deep sea UK original main controlling panel (viii) Fuel tank for 10 hours operation		
1.7	Installation & Commissioning	The price quoted here includes Carrying, Loading, Unloading, and Installation & Commissioning charge		

		provided the generator set installed in Basement at Ground Floor level and connected with 6th Floor Server Room. However, this offer is include the cost of commissioning materials, such as, Power/Control Cable, Lube Oil, Coolant, Diesel, Civil works, Ducting, Manual labor, Silencer pipe Extension Work & any other materials that may be necessary for installation of the generator set.		
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1.8	Service	24/7,365 Day		
1.9	Training	Vendor should provide training to technical team of the Generator set after completion of commissioning.		
1.10	Warranty/Guarantee	3 Years, First one year warranty including all part replacement and remaining two years' service warranty.		
1.11	Certification	Bidder must Have Local Distributorship certificate with minimum 2 OEM certified Engineer Profile, Engineers have to experience on Data Center Generator.		



