

ANNEX B - GENERATOR SPECIFICATIONS

S.No	Prime rating (at 80% Power factor)	Quantity	Voltage	Power Supply	Fuel Tank Capacity	Frequency	Engine speed	Engine	Alternator	Control panel & Emergency stop	Fuel Tank	Frame and Canopy	Sound pressure
1	200 KVA	1	415 V	Three phases	≤450 Liters	50 HZ	1,500 rpm	Make: Caterpillar, Perkins or equivalent ● Heavy duty Diesel Engine ● 4 stroke Water cooled/ Tropical radiator ● Dry type changeable air filter ● Replaceable wet-type cylinder liner ● Hydra mechanical governor type ● P&L Fuel system ● Low emissions/ Fuel strategy: Low fuel consumption ● Primary fuel filter with integral water separator ● Secondary fuel filter	● Make: Somer Leroy or equivalent ● Brushless, Single bearing ● Excitation: Shunt/ Self excitation ● Insulation class: H ● Protection class: IP23 ● Automatic voltage regulator	● Auto start control module ● Backlit LCD display ● Programmable using the front panel/ PC software ● Emergency, Start-stop buttons ● Meter & Alarm indicators: Oil level, Heat, Overspeeding, pressure, Fuel, Frequency, Running hours,	● Integral sub-base fuel tank	● Sound Attenuated & Weather resistant enclosure ● Electrostatic paint coated ● Rubber mounting isolators ● Stainless steel doors, hinges and locks ● Dragging points at base frame ● Lifting points	● Level: <74 dB (A) at 1 Meter ● Residential type silencer/ muffler

1	100 KVA	1	415 V	Three phase	≤450 Liters			●Fuel priming pump						
3	20 KVA	1	415 V	Three phase	100 Liters									