



MKV ENGINEERING AND TRADING SERVICES PTE LTD

NO : 10 KAKI BUKIT ROAD 1 #03-12 KB INDUSTRIAL BUILDING SINGAPORE - 416175
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M & E INSPECTION FORM (SPECIALIST) - GENERATOR SET(EXCLUDING LIFT, SMOKE AND FIRE FIGHTING SYSTEMS)

ANNEX D7_5

SITE: Dunman High School 10 Tanjong Rhu Road, Singapore 436895

Month: April 2021

S/N	ITEM	DONE? (Y or N or NA)	Date Done	Remarks
1	SERVICING, INSPECTION AND TESTING OF GENERATOR SET			
1	Check the levels of fuel, oil and coolant and replenish	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
2	Ensure that the controls are set for automatic operation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
3	Check and examine that there are no leaks in the fuel tanks, oil sump and radiators.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
4	Check and tighten its associated components, e.g. Piping, flexible hoses, bolts and nuts, etc. (this list is not exhaustive).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
5	Check for rusty and corroded components, wire brush clean & touchup paintwork including undercoat.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
6	Check battery condition and top up electrolyte level up to the high mark if the level is below the high mark with distilled water. The M&E Contractor shall show proof of the type of distilled water that he obtains comes from a supplier approved by the Superintending Officer.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
7	Check and record in the log book the battery voltage and the specific gravity of individual cell (and mark the battery cells). The battery voltage should be recorded when the battery charger is disconnected from the battery.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
8	Clean battery terminals thoroughly and apply with new or fresh petroleum jelly and this shall be applied sparingly.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
9	Check battery charger condition	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
10	After Generating Unit has been running for more than 15 minutes, record Oil Pressure, Fuel Pressure, and Water temperature into the log book	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
11	Record Hour Meter of engine runtime, at the start and final stopping of the engine, into the log book	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
12	Check that all indicating lights are functioning, and replace blown out bulbs.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
13	Check and ensure that all switches, relays and safety contactors are in correct positions for automatic starting.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
14	Check and record battery voltage, Specific Gravity and charging current. (Log Book)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
15	Check pipes and joints for signs of leakage and make good if necessary, for all Cooling water pipes, Lubricating oil pipes, and Fuel pipes	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
16	Check Day Tank - Fuel level in the storage tank; to top-up fuel to 90% fuel level.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
17	Check that all fuses, all indicating lamps, and holders are in working condition and replace when necessary.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
18	Engine Battery: Topping up with distilled water all cells to the high-level mark	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
19	Engine Battery: Record all Cell voltage into Log Book	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	
20	Disconnection of battery bank from starter motor and connection of test variable resistor load to test the state-of-charge of the batteries	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	07/04/2021	

Checked By

Endorsed By

Verified By

(Raja/Deva)
THE CONTRACTOR
Date: 07/04/2021
Remarks:

(Dennis)
USER
Date: 15/05/2021
Remarks:

MANAGEMENT AGENT
Date:
Remarks: