

## CHECKLIST FOR MOBILE DIESEL GENERATOR SET OPERATION

Sr. No. -

Date:

Work Order No. -

Name of the Firm whom DG Set Power Supply is to be provided –

Location of the Power Supply –

Capacity of Mobile/Portable DG Set (kW/kVA) –

Details of the nameplate of the DG Set-

Fuel Tank Capacity of DG Set (ltrs.) –

Declared Maximum Load by Consumer (kW/kVA) –

No. of Portable Fire Extinguishers placed at the site –

Hiring from the date & time \_\_\_\_\_ to \_\_\_\_\_ date & time.

Name of the Agency, who will be carrying this Job -

Name of the Site Supervisor –

Sr. No	Measure to be taken	Yes	No	Remarks
1	Is the qualified DG Set Operator posted at site during its operation?			
2	Is the DG Set provided with all the protective safety devices such as overcurrent, short circuit, earth fault protection, etc.?			
3	Are all the metering gauges operational?			
4	Is the hourly readings (including electric load/ current, speed/ rpm, temperature, fuel level, etc.) being recorded?			
5	Is the internal earthing system of DG Set intact?			
6	Are all safety shutdowns and warning systems operational?			
7	Are measures taken to refill DG Set after shutting and cooling it down?			
8	Are the fuel containers kept away from DG Set?			
9	Are all the periodic maintenance and inspections have been carried out as per the manufacturer's manual/ guidelines?			
10	Is visual inspection of DG Set carried out for any possible leaks from fuel lines and filters?			
11	Is the fuel tank filled beyond 80-85% of fuel tank capacity?			
12	Are the thermostat, radiator pressure cap, diesel tank cap and strainer in place before starting the DG Set?			
13	Has the generator been tested "under load" within the past 30 days?			
14	Does the generator unit have a wire to an "Earth" ground (copper rod)			
15	Are there warning signs for the "hot" surfaces?			
16	Are there safety guards provided around fan, fan belts and other moving parts?			
17	Are their bollards or other suitable barriers for impact protection?			
18	Is a "Caution Auto start" sign visible as one approaches the unit?			
19	Is the battery charger operational?			
20	Are the battery terminals covered with insulated covers?			
21	Check the specific gravity of the battery. Is it > 1.215. If no, charge it			
22	Is the tank integral to the generator unit?			
23	If the tank is separate is it on a concrete pad?			
24	Are the power cords placed correctly?			
25	Is the engine lubricating oil level between 'L' and 'H' marks?			

We have checked all the items in the checklist and are satisfied that the entries made are correct to the best of my knowledge. Further, I will carry out necessary repetitive checks, if required.

**Concerned In-Charge of the work/Contractor**

All the relevant aspects of the commissioning of the Diesel Generator Set are checked and complied before its use inside MbPT area.

**Representative of the Firm hiring/ indenting the Diesel Generator Set.**