TEMPORARY POWER PLANT

DEMERARA DISTILLERS LIMITED

FOR EPA APPLICATION

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Description of Site

The temporary site is one which had previously housed the Liquified Natural Gas (LNG) Storage and re-gasification plant. This plant is no longer in use, the proposed site is within DDL compound, north of the TOPCO Plant.

The land requirement for this plant will be 15,000 square feet. The area is enclosed with a chain link fence where the new power generators will be in weatherproof enclosures.

Please see attached sketch for the location of the plant.

The area to the north is open land, to the east is open land, to the west is the remains of the recently destroyed Central Power Station building and to the south, the Topco Plant approximately 65ft away.

The location will be fitted oil water separators to capture any lubrication oil spill or diesel fuel oil spill from the tarmac where the gensets are placed and from the fuel storage bund wall/containment area.

Please see attached sketch for the locations of the oil/water separators.

Project Design

The generators are weatherproof and enclosed type; hence no building is required for them. A shed will be built to allow protection for the employees in the event of rainfall, when they are carrying out their routine checks.

A slab to support the generators already exists to properly mount them.

The waste that the power plant will be producing will be waste oil. As per previous disposal method, the waste oil is kept in 45-gallon drums and on spill pallets, and same given to chain saw operators, as the needs arise.

Project Size

The temporary power plant will be set up to produce a maximum of 3.75 megawatts of power and a later stage, an additional 1.8 megawatts will be added (6 months later).

The cost of the project is: $ 180,000,000 for the generators and $ 22,000,000 for fuel tanks and other infrastructure (fuel tank bund wall, drainage, oil/water separator, fence etc)

There are a total of 8 operators and a power station engineer who will operate the facility where there will be two (2) containerized offices.

This facility will typically generate approximately 1 million kwh of power per month.

Project Summary

This facility is to allow DDL to once again generate its own power using company owned generators as currently DDL is consuming power from the national grid and from rental generators. The previous facility was destroyed by fire on the 27th September 2024.

Presently, generators are being rented are placed at various plants to supply power as a decentralized power system which is inefficient in its operation. This new arrangement will allow for a central generating capacity.

Duration of the Project

The project is expected to take effect in approximately 3-4 months. The reason being the lead time required to have the equipment supplied and installed/commissioned.

Effects on the Environment

The operation will generate exhaust gases. The quality is monitored by the EPA as per the prescribed schedule.

Oil water separators will be installed in the drain to capture any oil that may flow from the power plant and maintained as recommended by EPA.

Noise will be monitored using sound equipment as per EPA schedule. Please note that these units are enclosed and come with sound actuator and silencer so noise we will at a minimum but will still be monitored as the nearest facility is TOPCO Plant about 65ft south of this area.

Plans to Mitigate Environmental Impact

The company would equip the power plant with all the necessary environmental systems to avoid impact on the environment. We have constructed a drainage system that includes oil and water separator to contain any spill.

Also installed would be 7 x 125lbs mobile dry chemical fire extinguisher, 2 x 20lbs dry chemical fire extinguishers, and one (1) main fire hydrant with 150ft hose and high-pressure nozzle. Also, connected will be a fire alarm system that will be connected to DDL central alarm network.