R. BALRAM FUEL DEPOT

Name of Developer: Ryoan Balram

Developer Address: Lot 69 Culvert City, Lethem, Region 9

Name of Company: R. Balram Fuel Depot

Location of Project: St. Ignatius Village, Central Rupununi, Region #9

Capital Investment: **15million**

Projected Turnover: **2million annually**

Contact Information: **683-7171**

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Site location

The project site is located at St. Ignatius Village, Central Rupununi, Region 9. The proposed site contains an area of 300 feet by 120 feet (LXW). It is boarded by open land to the north, east and west, while the access road is located to the southern side, with the closest resident to south, approximately 500 feet from the project site. The current land is owned the by St. Ignatius, Kumu and Quarrie Village Council with permission being granted under same.

Project Description

Fuel (diesel and gasoline) will be stored in two (2) fiber glass tanks with the capacity of 30,000 liters of fuel and located underground. These tanks were made of anti-corrosive steel and coated with thermosetting resin and fiber glass. The operation of the fuel depot will be done during the hours of 8:00am to 18:00hrs daily.

Construction of the project

The construction of the facility is expected to commence immediately after the issuance of a permit. The project is expected to be completed within eighteen 18, from the issuance of the permit. The operational aspect of the project is expected to commence immediately after the construction is completed, providing all the equipment and safety measures are in place.

Effects during Construction

The following effect can be address during the construction and operation of the Fuel Depot.

- Noise Pollution from construction and operation;
- Dust Pollution:
- Spillage of fuel:
- Air Pollution:
- Hazardous Waste.

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Mitigation measures

Noise Pollution:

Noise will be generated from the construction of the Fuel Depot and the traversing of machinery and raw material to and from the site. Prefabricated materials will be done offsite to reduce noise; however, welding may be conducted onsite. Further, machinery that would not be in used will be turned off to reduce noise impact to residents. With regards to the operation aspect of the facility, a generator will be onsite in the event of power outage.

Dust Pollution:

Dust screen will be constructed at the facility during construction process and wetting of the road ways leading to the project site well be done to avoid dust pollution.

Air Pollution

During the construction and operation of the facility, air emissions from equipment and storage and handling of fuel can occur. However, with the implementation of mitigation measures this can reduce. These measures are:

- Using equipment that meets emission standards that can reduce air pollution during construction;
- Implantation of vapor recovery system, this will be done during the operation aspect of the project;
- Regular maintenance of equipment and vehicles onsite.

Spillage of fuel and waste material:

Accidental Spillage of fuel may occur at the facility during construction from the refueling of vehicle and machinery. In order to prevent spillage during construction, drip trays will be situated under fuel lines to capture any spilt fuel. Further, during the operational aspect of the facility, in the event of minor spillage, spill kits will be on site to be used and avoid the spilt fuel from spreading. The absorbent materials will be placed in the garbage receptacle to be disposed by the Owner (to the Lethem dumpsite). Further during operation of the Fuel Depot, spill kits will be on site in the event of spillage and the contaminated material will be dispose of as stated above.

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Power Generation.

The facility will be using electricity from the Lethem Power Company for the day-to-day operation of the facility; however, a generator will be on site in the event of power outage.

Waste Management.

During the construction of the Fuel Depot, the waste that will be generated by the facility includes but not limited to, wood, metals, galvanized steel plate, concrete, blocks, earth (mud). Further the afore-mentioned waste would be place in bins and removed by the owner and taken to the Lethem Landfill. With respect to the operation aspect of the facility, wastes such as boxes, bottles, plastic, papers would be generated on a daily basis. The afore-mentioned garbage would be place in garbage bins which would be located around the facility and removed weekly by the owner. Additionally, hazardous waste may be generated from the operation in the event of spillage. As such, oily rags, waste il and waste from spillage or leakage will be cleaned using spill kits. These contaminated materials will be placed in garbage bags and taken to the dumpsite for disposal. Additionally, with regards to sewage waste, this waste will be channeled through a septic system for treatment before final discharge in the surrounding drain.

Operation of the Fuel Depot

On the completion of the facility, fuel will be source from Rubis Guyana Inc. located in Providence, East Bank Demerara and transported to the facility using the developer trucking service. On arrival at the facility, fuel will be discharge directly via pipelines to the underground fuel storage tanks. Fuel will be resale to customers via two (2) dispensers unit located on the forecourt of the fuel depot. Small quantities of lubricant will be for resale purposes.

As it relates to safety measures of the facility, Fire fight equipment, such as fire buckets and fire extinguishers will be station around the fuel depot as recommended by the Guyana Fire Service.

In the event of emergency at the location, emergency shut off system and serviceable fire extinguishers will be readily accessible by staff. Staff will be train in emergency preparedness and firefighting training will be request by the Guyana Fire Service. further, dispensing equipment inclusive of pipeline will be monitored daily for leakage, however, it should be noted that pipelines would not be run under any building.

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Employment

The project will be implemented at two (2) stages, such as the construction stage and the operational stage. Below is a breakdown of employment during each phase, however, this is subject to change:

At the construction phase of the project:

- Skilled workers
- Semi-Skilled workers
- Labours

Operational aspect of the facility:

- Cashier-1
- Pump Attendants-2
- Security Guard-1

Forecourt

The forecourt will be comprised of two (2) fuel dispensers along with 2 fuel tanks with a capacity of 30,000 liters of fuel (Gasoline and Diesel). These tanks were source from Brazil and coated with thermosetting resin and reinforced with a double layer of fiber glass with electronic sensors to detect leakage.