

Name of Project: Gas Station (filling station), Mini Mart and Spare Parts Store

Name of Developer/Company: Bharrat Baichan and Rosemini Bunsraj

Contact Details: Lot 13 Section 'B' No 75 Village, Corentyne, Berbice.

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By Whom: Bharrat Baichan and Rosemini Bunsraj.

Project Summary Outline

This project includes a Gas Station (filling station), Mini Mart and Spare Parts Store to service the Upper Corentyne and by extension Region Six (East Berbice Corentyne) with the aim of adding to the economic development of the region. This project is situated at Lot 38,39,52&53 Section 'B' Number 73 Village, Corentyne, Berbice. The project will involve the preparation of the ground and installation of underground tanks. The project will essentially enhance the provision of fuel for the motorists along the road in the area. This will optimize land use; hence increasing its utility. The Government revenue will increase as well as enhancement of economic investment; increasing national wealth. The proponent will enjoy income generated through sale of petroleum products. The project will also provide employment during both constructions and operation phases. It will create market for goods and services and especially construction inputs, which include raw materials, construction machinery. This project shall also create an outlet for various other goods and services such as petroleum products. The proposed project shall entail the construction of other facilities such as the cover canopy, sanitary conveniences, station office and shops.

A description of the site which should include area of influence (spatial and temporal boundaries), location, land requirements (area occupied), layout, identification of receiving water(s), the present land use of the project area and the areas contiguous to it and the location of any existing or proposed intake and discharge structures and the location of any discharge. This information should also be presented on maps.

The project site is located south of the Number 75 Public Road with dwelling houses in the other three cardinal directions. The project site is unoccupied with a main reserve drain to the north of the lot will collect all rain and storm water from the establishment for final disposal.

Water will be supplies to the lot by the Guyana Water Inc. There will be a treatment system to reduce the pathological load of water discharging into the main drain.

The project design including:

-Activities associated with all development stages from construction to closure: operation and production processes and alternatives considered e.g., provide a guide for all stages of the project from raw material to finished product.

ACTITIVITES /ELEMENTS THROUGHOUT CONSTRUCTION

EARTHWORKS & EXCAVATION

Site Clearance & Earthworks

Foundations

BUILDING WORKS:

Building & Roof Covering

Carpentry (doors, locks, ATM doors, drop safe, office safety doors)

Ceilings & Partitioning & Glazing

Finishes (tiling, painting)

MECHANICAL & FIRE INSTALLATION

Mechanical

Fire protection

INTERNAL SERVICES

Electrical Installation Inc. Canopy Lighting

Plumbing & Drainage

ROADWORKS

Civil & Road Works (layerworks, paving, road marking)

LANDSCAPING

Land Improvements - fencing, landscaping

FUEL SYSTEM & CANOPY

Canopy, Pump & Tanks Complete

Tanks

Pumps

Fibreight Material

Pipe Material

Software- ATG, ISIS, Ligthening Protection

Pump & Tank Installation

Canopy & Lights

SHOPFITTING

Shop Equipment & Fittings:

SIGNAGE & IMAGE

Signage (Incl Retail, VM, RM etc.):

COMPUTER / CCTV

Computer / CCTV

GENSET

Generator

OTHER (TESTING AND OPERATION

Contingency

Professional Team

-Source of utility services such as water supply and treatment, energy/electricity and communication, facilities, etc.

-Communication and internet services will be sourced from the Guyana Telephone and Telegraph Company and E-networks

-Water will be supplied by Guyana Water Inc. which will be treated and stored on black tanks on premise.

-Electricity will be sourced form Guyana Power and Light plus multiple back up on site generator will be installed.

-Waste management details which should include types of waste and methods of waste disposal/treatment.

- Ensure all the waste, damaged and unused building materials are removed safely from the site and sold out, reused or disposed properly.

- Ensure general cleaning of the compound and disposal of solid wastes.

- Use oil receptors for containing waste oil.

- Provide litter bin for trash and solid waste

- Liaise with waste handlers especially tyres recyclers to collect worn out. Tyres for disposal or retread.

- Service vehicles at the service bay to minimize oil spills.

- Recover waste and split oil into oil receptors

The project size, e.g. capital investment, number of employees projected for each stage of the project, rates of production, etc.

The Developer plans to invest approximately twenty million (\$20,000,000.00) dollars and employ about ten (10) employees.

5. A non-technical explanation of the project (a summary of what the project is about in layman language).

A filling station, also known as gas station (Guyana), is a facility that sells fuel and engine lubricants for motor vehicles spares. The most common fuels sold is Kerosene, gasoline (or "petrol") and diesel fuel.

Fuel dispensers are used to pump gasoline, diesel, and kerosene into the tanks within vehicles and calculate the financial cost of the fuel transferred to the vehicle. Besides fuel dispensers, one other significant device which is also found in filling stations and can refuel certain (compressed-air) vehicles is an air compressor, although generally these are just used to inflate car tires.

Many filling stations provide convenience stores, which may sell confections, alcoholic beverages, tobacco products, lottery tickets, soft drinks, snacks, coffee, newspapers, magazines, and, in some cases, a small selection of grocery items, such as milk. Some also sell propane or butane and have added shops to their primary business. Conversely, some chain stores, such as supermarkets, discount stores, warehouse clubs, or traditional convenience stores, have provided fuel pumps on the premises.

The duration of the project (for each phase).

They plan to complete construction in one year. Construction will commence with establishment of a site store/office after which a temporary fence will be erected. Once the site is thus secured the building levels shall be established, the excavation for the construction of the tank bed will be done and the retaining walls done to secure same and the ground floor. Then construction of structures will begin from the foundation through the shell to the roof, and then followed by finishes, while site works commence. This will be the boundary wall, parking, storm-water collection and water and sewage disposal. On completion the project will be commissioned and a management unit will then handle the operations of the development.

Potential effects on the environment which may result from the existence of the project i.e. land, soil, water, air, the use of natural resources, etc. A brief description of each potential effect.

Gas stations are found everywhere. They are so common and necessary that they became an integral part of our daily lives. Thus, it is no wonder that they are not usually associated with environmental and health risks.

From the perspective of the public, the best prevention is to spend as little time as possible at a gas station and avoid living close to a gas station, from the perspective of gas station owners and/or operators, usually the insurance company may pay for `

The usual contaminants released into the environment represented by the stored and sold petroleum products such as gasoline and diesel fuel. These are complex mixtures of volatile organic compounds (mainly hydrocarbons) and a series of additives which are blended with

petroleum distillates to improve the quality of the final products and their usability. While there are hundreds of individual compounds associated with gasoline and diesel fuel (many of which are not even identified).

On the positive side, currently, better equipment and improved operation practices along with improved awareness of various pollution risks allow a more optimistic view of gas stations as integral part of urban environments with fewer pollution risks.

8. Proposed plans to mitigate environmental impacts.

Possible Impact	Proposed Mitigation Measures
Impact on excavated soil	<ul style="list-style-type: none"> -Control construction especially during wet/rainy conditions - Landscaping - Compact loose properly - Dispose excavated loose properly
Compromising Safety and health of workers, neighbours pedestrians and visitors	<ul style="list-style-type: none"> - Fence off the site - Display warning signs of construction works. - Issue workers with safety appliances. - Ensure safe access to the site through culverts. - Provide a first aid kit. - Avail water closet and bathing facilities
Traffic and Transport Impacts	<ul style="list-style-type: none"> - Construct acceleration and deceleration lanes. - Deliver materials on need basis. - The personnel on the ground should guide traffic movements. - Damaged drainage should be repaired and maintained after construction
Increased Human Activities – Increased Solid Waste Generation	<ul style="list-style-type: none"> - Place litterbins at the site. - Ensure that there are elaborate programs of waste removal frequently. - Waste generated should be contained appropriate.
Impact on air quality	<ul style="list-style-type: none"> - Wet or cover dust generating activities. - Provide PPE to the workers. - Switch off vehicle engine and machinery when not in use.
Environmental concern during the construction phase	<ul style="list-style-type: none"> - Use of manual labor. - Noise assessment should be done. - Use of PPE. - Work with machinery should be limited today time only.

Noise and vibration levels	<ul style="list-style-type: none">- Ensure all the waste, damaged and unused building materials are removed safely from the site and sold out, reused or disposed properly.- Ensure general cleaning of the compound and disposal of solid wastes.- Use oil receptors for containing waste oil.- Provide litter bin for trash and solid waste.
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Submitted by:

MAHENDRA SUKHOO

(Power of Attorney)