

# **Ronald & Parbatie Bahadur Lumber yard and Hardware store**

## **Project Summary**

**Name of Developer: Ronald Bahadur**

**Developer's Address: Lot 1, 91 Hand-en-veldt Mahaica East Coast Demerara.**

**Contact Details: +592 645 1924**

**Business Name: Ronald & Parbatie Bahadur Lumber yard and Hardware store**

**Project Location: Lot 3030 Hand -en-Veldt Mahaica, East Coast Demerara**

**Sector of Operation: Forestry**

**Project Type: Lumberyard (Without Processing)**

**Project Duration: Life Time**

**Capital Investment: (3) three million dollars**

**Annual turnover: (1) one million**



### **Project location and Description**

The Lumberyard (Without Processing) will be Lot 3030 Hand -en-Veldt Mahaica, East Coast Demerara. The aforementioned address has a land size 0.0970 acre. The dimension of the lumber shed will be 24ft x 54ft. The surroundings of the operation are mixed in nature, as there are residents and vegetation around the operation.

One person will be employed to work at the facility and with working hours being from 8:00 hrs. to 17:00hrs. Monday to Saturday. All loading and offloading of lumber (rough and dress) will be conducted during working hours. Personal Protective Equipment will be provided to the workers such as gloves, long boots, visibility vests and masks. A first aid kit will always be kept on site to treat minor injuries and a vehicle will be on standby to transport any injured person to the nearest hospital. Fire extinguisher and sand bucket will be place at strategic locations and a " No Smoking" sign. Electricity will be provided by Guyana Power and Light Company Inc. (GPL). Water for drinking purposes will be purchased and, rainwater will be harvested for domestic purposes.



### **Pre-construction phase**

The proposed area will be cleared of vegetation with a brush cutter and the vegetation will be kept in a designated area to be decomposed and one person will be hired to complete this task. Construction materials such as lumber of various dimensions, sand, stones, steel rods, cement, etc. will be mobilized to the site to be used in the construction phase.

### **Construction phase**

The infrastructures such as the lumber shed (24ft x 54ft.), washroom with toilet attach to a septic tank system (dimension unknown) have to be constructed also equipment with the necessary electrical support has to be installed. The expected duration of this phase is about one month or may be prolonged due to bad weather. For the lumber shed, the posts will be placed on concrete bases so as to avoid contamination of the ground water.

Domestic waste such as empty cement bags, pieces of wood, food boxes, beverage bottles and tins, etc. will be expected to be generated during the construction phase and the waste will be collected in a garbage receptacle (plastic drum) and emptied by the NDC or private disposal services once a week.



## **Operational Phase**

The operation is strictly buying and selling of Lumberyard based on order. There is no equipment on site to conduct processing. Based on market demand, rough and dressed lumber is supplied from various sites. The lumber will be transported by road via canter or horse carts depending on the supplier.

Most of the lumber at the establishment will be sold to government contractors and a small amount to residents. The supplier is responsible for ensuring that all safety measures are in place when the lumber is transported to the site. The lumber is offloaded by the workers during working hours.

Based on the demand for a specific type of dressed/ rough lumber. The pre-ordered lumber is placed on dunnage/sticker while the remainder of lumber is stored on lumber racks/ shelves. It is anticipated that some of the lumber will have to be resized to remove split ends and to appropriate length. A hand-held electric saw will be used to resize the lumber when needed. The capacity of the lumber racks/ shelves will be 5,000 to 10,000 BM of both rough and dressed lumber. Delivery of lumber to the customers will be done by a hired canter or horse carts.



## **Potential Environmental Impacts and Mitigation Measures**

**Dust Nuisance:** Can occur during the offloading and loading of lumber.

**Mitigation measures:** loading and offloading of lumber will occur during working hours and there will be no processing of lumber on site.

**Vibrations:** Given the project will have lumber sourced from a sawmill, then vibration may occur as an only result of offloading of lumber from the transported trucks.

**Mitigation measures:** laying rubber tires to prevent vibration will be put in place.

**Noise pollution:** Vehicle movement can create noise and can be intensified based on the number and frequency also small amount of noise will emit from the offloading and loading of lumbars.

**Mitigation measures:** Loading and offloading of lumber will occur during working hours to avoid disturbing nearby residents and lumber will load and offload carefully manually by workers.

**Fire:** Can occur by negligence of workers who may smoke where lumber is stacked or lighting and leaving fires (garbage etc. unattended).

**Mitigation measures:** No smoking signs will be at strategic zones throughout the operation and there will be no burning of garbage on site.



## **Waste Generation & Management**

The project will utilize and generate non-hazardous waste material during the operation. If these materials wastes are not managed properly, it can pose a risk to the environment. The methods in which these wastes would be managed are highlighted below.

### **Non-Hazardous Waste**

**Domestic** waste such as food boxes, bottles, cement bags (from the construction phase) etc., will be collected via a garbage receptacle placed at strategic point on site and will be emptied once weekly by the NDC or private disposal services.

**Solid waste** such as Wood waste inclusive of chips and sawdust from the resizing of lumber and the volume is small since the operation is only buying and selling of rough and dress lumber. The wood waste will be collected by interested person in the Mahaica area.

**Liquid Waste** is the greywater and sewage generated from the workers and customers and will be discharged into a septic tank.

*Prepared by:*

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