

# Project Summary

**Name of Developer:** Bhagwandin Ramroop

**Name of Business:** Bhagwandin Forestry Products

**Developer's Address:** Lot 1, Conservancy Dam, Canal No. 2 Polder, West Bank Demerara

**Contact details:** 592 660 7348

**Project Type:** Logging & Chainsaw Milling

**Project Location:** SFA DEM 05/21

**Projected Capital Investment:** Approx. 5 Guy\$ M

**Annual Turnover:** Projected Guy\$ 3 M

**Project Duration:** three (3) years base of GFC contractual agreement

The project activity is to undertake logging and Chainsaw Milling within State Forest Authorisation (SFA) No: DEM 05/21 (see attached map), of an approximate area of 1420 Hectares (3508 acres) which was issued by the Guyana Forestry Commission and will expire on December 31, 2023, however application for renewal of the concession is currently ongoing with the GFC.

Logs are harvested based on the stipulated measures set out in the Guidelines for Forest Operations, 2018 by GFC. Approximately four (4) persons are employed to carry out various operational tasks as it relates to the logging and chainsaw milling. Logs are processed into board at the trees after felling. Approximately 5,000 BM of logs will be processed per month.

Temporary camps are established within the concession to house the four employees. Toilet facility entailed one (1) Pit Latrine. Camp sites are of dimensions 25 ft L by 20 ft W by 10 ft H.

Working hours will be from 8:00 to 4:00 from Monday to Friday. Works are carried out on some weekends in order to fulfillment of orders.

Equipment on site is inclusive of two (2) chainsaws, I- 5 horse power Yamaha outboard engine with boat and one (1) tractor with trailer are used to support the operations in the concession. Water for drinking and domestic purposes are source from creeks with the concession and also from time to time drinking water is purchase and transported to the concession.

Waste oil generated from the servicing of the tractor and chainsaws once per month, onsite but major repairs is conducted offsite. The quantity of waste oil generated is 2-3 gallons and is reused on the

chainsaws. The waste oil is stored in the 5 gallon tightly closed plastic pail, in a designated area within the concession.

Personal Protective Equipment (PPE) will be provided to all employees inclusive of Long boots, helmets, gloves and visibility vest. Additionally, a first aid and snake bit kits is present on site at all time.

Domestic waste inclusive of plastics bottles, food scraps, etc. is placed in solid waste pit located approximately three hundred (300) metres away from creeks within the concession. Wood waste inclusive of sawdust, wood skins, wood ends, etc. will be used as land filled materials throughout the concession and the remainder will be stored in designated areas within the concession.

Some main species of logs that will be harvest from the concession is inclusive of Crabwood, Kerati, Kabakalli, Barmolli, Tarouniro etc.

Fuel will be stored on site; fuel inclusive of 1-45 gallon drum of diesel and 1-5 gallon container of gasoline and kept in a designated area located at the camp site. The drums with the respective fuel will be tightly covered to avoid any spillage or accidental release.

### **Environmental Effects**

The following potential environmental effects may be generated from the operation:

#### **Noise Nuisance**

The source of noise will be from the operation of the equipment, and machinery. However, noise level generated is expected to be insignificant since the machinery is equipped with exhaust to reduce the noise and the mill is only works when logs have to be processed.

#### **Fire**

Flammable substances such as gas and diesel are stored onsite and if not managed properly can be ignited if a worker who may smoke discards a lit cigarette butt.

#### **Vibration**

Vibrations generated from the use of the equipment and the machinery.

#### **Particulate Matter (dust)**

It is expected that dust will be emitted from the equipment and the trails especially during dry weather.

### **Soil Erosion**

This is generated from the removal of vegetative cover and exposing the soil particles to the agents of erosion; wind and water since the soil type is sandy which is easily drained and light.

### **Mitigation Measures**

#### **Noise Nuisance**

The equipment and machinery will be worked during working hours. These will be serviced and maintained according to manufacturer's specifications. Chains will be checked and replaced with sharp ones. Workers will be provided with appropriate PPE including hearing protection.

#### **Fire**

Fire extinguishers and sand buckets will be placed at strategic points at the camp so in case there is a fire emergency then the firefighting equipment can be used. Staffers will be trained in the use of the fire extinguishers.

#### **Vibration**

The equipment and machinery will be worked during working hours and serviced according to manufacturer's specifications and logs are carried on trailer and will not free fall from the trailer thus no reducing vibration since workers will manually remove lumber from the trailer.

#### **Particulate Matter (dust)**

The vegetation around the the chainsaw milling site will be maintained thus dust will not be air borne. The employees will be given appropriate PPE to protect them from dust.

#### **Soil Erosion**

This is not a major issue within the concession since the vegetative cover is maintained on the edges of the trail to reduce the displacement of soil particles. Commercial logs are harvested in accordance with Condition 5.1 (a) (b) of the State Forest Agreement (SFA) As well as GFC's Guidelines for Forest Operations, 2018.

Prepared by:



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