

Project Summary — Sawmilling, Lumberyard and Log Pond Activities

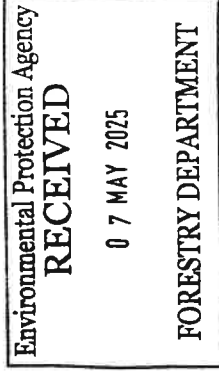
Developer's Information:

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Project Details:

Project Type: Sawmilling, Lumber Yard and Log Pond Activities

Location: Plots 9&10 being portion of state land situated along the
Cuisimar/Rockstone Road & being portion of Block 22

Sector of Operation: Forestry

Project Duration: Approx. 10 years based on market demands and trends

Annual Turnover: 3.4 million

Working Hours: 8:00 am to 4:30 pm Monday to Friday and 8:00am to 1:00 pm
Saturday

Submitted By:

Richard and Deo Investment Sawmill

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ensuring a reliable and consistent water source. Communication services, essential for both internal and external communication, will be provided by a range of telecommunication companies, including One Comm (formerly GTT), Digicel, and E-Networks. The reliance on mobile phones for communication is readily available and accessible.

The proposed sawmill site is accessible by road from the Soesdyke-Linden Highway onto the One Mile Road turning left, the roadway is paved capable of accommodating two-way traffic and withstanding inclement weather. (Refer to Figure 2 below).

Figure 2: Showing the Zoom In image of the project location depicted by the green pin



waste disposal standards.

- **Noise and Vibration:** Minimal noise emissions are expected, as only hand-held electric tools will be utilized (e.g., drills, saws, nail guns). No heavy machinery such as excavators or pile drivers will be used, thereby eliminating any significant vibration concerns.
- **Work Hours:** All construction activities will take place from Monday to Saturday, between 08:00 hrs and 17:30 hrs. No work will be carried out during nighttime hours, ensuring minimal disturbance to the surrounding environment and neighboring residents.

3. Operational Phase

Upon completion, the sawmill will transition into full operation. It is projected to process between **70,000 to 80,000 board measure (bm)** of logs monthly. The operation will involve both rough and dressed lumber production.

Equipment to be Used Onsite Includes:

- One (1) bandsaw mill
- one (1) edger
- One (1) log loader
- One (1) chainsaw
- One (1) saw blade sharpener
- one (1) 150 KVA generator

Processing Activities:

Logs will be sourced from authorized logging concessionaires in the Ituni/Kwakwani and Mabura districts. These logs will be transported by truck and unloaded into an onsite **log pond** using the tractor. The log pond has a holding capacity of approximately 150–200 m³. From the pond, the tractor will move logs to the mill where debarking and cutting into boards will take place. The resulting lumber will undergo further refinement using planers.

Timber species to be processed include **Tatabu, Torinario, Shibadan, Farm Board (Baromalli), Antwood, Karatie, Silverballi, Dukali, Purpleheart, Greenheart**, among others. Finished products will be stored either on well-constructed lumber racks or elevated on dunnage to prevent contact with soil and reduce pest or moisture-related damage.

Utilities & Services:

- **Water:** Drawn from the Hauraruni Creek and transported using a hired canter. Water will be stored onsite in two (2) black polyethylene tanks, each with a capacity of 450 gallons.
- **Electricity:** Supplied by the Linden Utility Company . To reduce generator dependency and emissions, solar-powered lights will be installed for nighttime illumination.
- **Telecommunications:** Services will be provided by GTT and Digicel to ensure reliable communication.
- **Fuel Storage:** there will no no fuel store on site,

Noise Nuisance

Workers may find it annoying when machinery, generators, and other equipment are running. The machinery and equipment shall be repaired and maintained in accordance with the manufacturer's specifications during business hours, and the generators will be kept in a generator room.

To minimize noise-related disturbances for workers and nearby communities, several mitigation measures will be implemented. Modern machinery will be used, which typically generates lower noise levels compared to older models. Generators will be housed in a dedicated generator room and fitted with built-in silencers and exhaust stacks to further reduce noise emissions. All machinery and equipment will operate only during regular business hours (8:00 a.m. to 5:00 p.m.) to avoid disruption outside of working hours. Regular maintenance, as per the manufacturer's specifications, will be conducted to ensure optimal performance and reduce excessive noise caused by faulty or worn equipment. Blades will be inspected by operators and replaced with sharp, well-maintained ones to prevent unnecessary mechanical noise. In addition, all personnel will be provided with appropriate personal protective equipment (PPE), including hearing protection, to ensure their safety and comfort.

Fire

The possible causes of fire include defective electrical equipment such as faulty wiring or overloaded sockets, arson, and worker negligence, such as smoking on the worksite.

The prolonged storage of wood waste at the site may lead to spontaneous combustion due to the heat generated by microbial decomposition and chemical oxidation processes over time.

Firefighting equipment such as extinguishers and sand buckets will be strategically placed throughout the sawmill for use in the event of a fire emergency. Staff will receive training on the proper use of fire extinguishers. Additionally, all electrical points and circuits will be routinely inspected to prevent fire hazards.

A multifaceted approach will be implemented for wood waste management. Shavings will be collected through an extraction system connected to the planer/moulder and discharged into a dust containment bin. Poultry farmers will collect this waste daily, free of charge. Sawdust from the mill floor will be gathered in polystyrene bags and distributed to poultry and swine farmers. Strippings, wood ends, and slabs will be collected by charcoal producers, who are commonly found along the Linden-Soesdyke Highway. Any remaining waste will be used as landfill material or made available to interested individuals. Offcuts will be repurposed for the manufacture of pallets.

Additionally, in the future, once financially feasible, I plan to invest in a wood chipper and/or a briquetting machine to further process wood waste into value-added products.

<p><u>Hazardous Waste</u></p> <p>No fuel will be stored at the site. The machines will refuel at the gas station in Linden. Diesel and gas for the generator and chainsaw will be purchased and the tanks will be refilled immediately, hence, there is no need for fuel storage.</p> <p>The servicing of the log loader, chainsaw (s), and generator will generate roughly 3-4 gallons of waste oil. To avoid spillage, the waste oil will be stored in carefully covered 5-gallon plastic pails in the mechanic workshop. The used oil will be reused on the chainsaw and the chains on the bandsaw.</p>	<p>A small quantity of diesel and gas will be purchased and transported to the site to refill the tank of the generator and chainsaw. Approximately 2 gallons of diesel and 3 gallons of gas and the quantity is dependent on the usage will be purchased and refill the tanks. The fuel is transported in the plastic containers and they are tightly covered to prevent any spill into the environment.</p> <p>To avoid spillage, the waste oil will be stored in a carefully covered 5-gallon plastic pail. The used oil will be reused on the chainsaw and the chains on the bandsaw for lubrication.</p> <p>There will be no use of preservatives or chemicals on site.</p>
<p><u>Cumulative Impacts</u></p> <p>There are other sawmilling operations that are conducted in the area that can cumulatively impact the environment.</p>	<p>Once sawmill operators fully comply with the regulatory requirements of the Guyana Forestry Commission (GFC) and the Environmental Protection Agency (EPA), the environmental impact becomes minimal, and wood waste is managed effectively and efficiently across all operations. This ensures not only regulatory compliance but also promotes sustainable forestry practices, resource optimization, and long-term environmental protection in the area.</p>