

Acarai Logging Inc.

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PROJECT REPORT & EPA PERMISSION REQUEST

Project: Sawmill Setup and Value-Added Wood Processing Facility

Location: Soesdyke-Linden Highway, Region 4, Guyana

Submitted To:
Environmental Protection Agency (EPA)

Developer:
Acarai Logging Inc

Submitted By:
Deekshith Banjan
Director, Acarai Logging Inc.

Date: 30-06-2025



1. Site Description

The proposed sawmill site is located between Madewini Creek and Kuru Kururu on the eastern side of the Soesdyke-Linden Highway. The total area for the project spans approximately 7.5 acres. The sawmill facility will occupy an area of 50 meters by 15 meters. Additional structures include a generator room, workshop, one wooden house with a washroom and toilet, and two container houses with two sets of toilets connected to septic tanks. The site is previously used for sand mining, reducing impact on existing vegetation.

2. Project Phases & Timeline

- Phase 1 (April 2025): Site clearing & drainage.
- Phase 2 (June/July 2025): Foundation and shed erection.
- Phase 3 (Aug/Sep 2025): Machinery installation, container housing, generator commissioning.
- Phase 4 (Oct/Nov 2025): Workforce training and trial runs; commercial production Dec 2025.

Machinery includes two horizontal mills, one cross-cut saw, one vertical mill, and one Vjoint planner. Utilities include solar energy and generator backup, with rainwater harvesting systems. A vehicle will be kept on-site for emergencies.

Waste Management:

- Dust Control: Planers and saws will be fitted with dust extraction systems and dust bags. Fine dust will be bagged and given to chicken farmers.
- Solid Waste: Sawdust, wood ends, and bark will be reused on-site or distributed to poultry farmers and charcoal producers.
- Small Wood Strips: Collected for future wooden pallet production.
- Food/Oil Waste: Grease traps will capture cooking oil. Vegetable waste will be composted for manure.
- Plastic Waste: Bottles stored in bins and picked up by recycling agents.
- Hazardous Waste: Waste oil stored in reused plastic jars and reused in chainsaws and other machines.

3. Project Size

The proposed sawmill project involves a total capital investment of approximately 88 million Guyanese Dollars (GYD) over a three-year implementation period. This investment encompasses land preparation, infrastructure development, machinery procurement, and environmental safeguards. The facility spans 7.5 acres and will include a 50 × 15 meter prefabricated steel industrial shed, generator room, solar power systems, container and wooden housing for staff, septic tanks, and workshops.

7. Environmental Mitigation Measures

- Dust: Dust extraction units, wetting mill floor, dust bagging, periodic sweeping
- Noise: Regular maintenance, soundproofing of generators
- Waste Management: Reuse of wood waste like shavings wood ends, slabs/barks and wood chips etc – can be used as landfill and other revetment works around the site,
- Domestic waste: Such as food boxes, beverage containers, etc, will be collected in a covered garbage receptacle and will be emptied once weekly by a private Waste Disposal Services (scheduled garbage collection), grease traps for kitchens oil waste.
- Organic Waste: Composted or reused as manure
- Effluent: Grey and sewage water produced by workers and customers; as such, the effluent will be discharged into the septic tank to be treated anaerobically. The septic tank will be accessible for cleaning and will be emptied when full by a private Waste Disposal Service
- Hazardous Waste: Waste oil of approximately 5-7 gallons will be generated from the servicing of the loader, and chainsaw. The waste oil will be stored in tightly covered 5-gallon plastic pails to avoid spillage and they will be kept in the mechanic workshop. The waste oil will be reused on the chainsaw
- Fire Safety: Fire extinguishers, sand buckets, and 'No Smoking' zones; consultation with Fire Service Department for optimal placement of safety equipment
- PPE: Helmets, gloves, and safety boots issued to all workers
- Plastic Waste: Bottles stored in designated bins for registered agents.

8. Conclusion & Way Forward

The Acarai Logging Inc. sawmill project aligns strongly with national goals for local processing, job creation, and export diversification. With significant investment already made and major capital goods acquired, the company seeks EPA support to get required permissions to begin operations by Q1 2026. We affirm our commitment to sustainable, value-added forestry development and look forward to positive engagement with the Government of Guyana.

