

Project Summary

Name of Developer: Ragnauth Persaud

Developer's Address: Lot 81, De Willem, West Coast Demerara

Contact details: 227-0276 / 669-4114

Project Type: Logging

Project Location: SFA Ess 74/11,, Right Bank Cuyuni River, Left and
Right Banks Stop off Creek

Sector of Operation: Forestry

Projected Capital Investment: approximately GY \$6.3 million

Annual Turnover: Projected GY \$6.5M

Project Duration: One (1) year based on the SFA Agreement



Environmental Impacts and Mitigation Measures

The following environmental impacts may be generated from the logging operations, and these impacts are likely to be insignificant:

| Environmental Impacts | Proposed Mitigation Measures |
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| Habitat Loss and Fragmentation Logging activities can result in the destruction and fragmentation of habitats for many species including mammals, birds, insects, and fungi. This can lead to declines in biodiversity and ecosystem health. | Logs are harvested based on Reduced Impact Logging (RIL) techniques, which result in the conservation of ecosystems and biodiversity. |
| Soil erosion and degradation - logging can disrupt the natural structure of forest soils, leading to erosion and decreased soil fertility. This can have negative impacts on water quality and make it more difficult for new trees to grow. | Logs are harvested in accordance with Condition 5.1(a)(b) of the State Forest Authorizations (SFA) Agreement as well as GFC's Guidelines for Forest Operations, 2018. Also, vegetative cover is maintained on the edges of the trail to reduce the displacement of soil particles. Buffer zones are maintained, and the harvesting of logs is not done within the buffer zones. |
| Carbon dioxide emissions and Climate Change - trees absorb carbon dioxide from the atmosphere, so logging can result in increased carbon dioxide emissions, which contribute to climate change. Additionally, forests are important in regulating local and regional climate through their role in water cycling and temperature regulation. | Logs are not cleared-fell but are selectively harvested based on a breast height of 1.3 m and a diameter above 35 m. However, if there are more than one (1) tree within an 8-metre radius, only trees over 40cm at breast height will be harvested based on the GFC guidelines. This practice leaves the majority of the forest intact and helps preserve the carbon stored in the trees and soil, thus reducing the release of CO2 into the atmosphere and also allowing saplings to continue absorbing CO2 through photosynthesis. Also, it minimises soil disturbances during logging activities, thus maintaining the integrity of the forest floor and preventing the release of stored carbon from the soil. |

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| <p>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.</p> | <p>Workers are briefed verbally on the importance of fire safety almost every week, and a 'No Smoking' sign is placed at the fuel storage area. A sand bucket and a fire extinguisher are placed at the camp site and can be easily accessed should there be a fire emergency.</p> |
| <p>Solid Waste:</p> <ol style="list-style-type: none"> 1. Domestic waste, inclusive of plastic bottles, food scraps, etc. is generated by the workers. 2. Sawdust and wood ends during the felling process, and damaged ends, will be removed using the chainsaw(s). | <ol style="list-style-type: none"> 1. The garbage is collected in a garbage receptacle and emptied in a solid waste pit located approximately three hundred (300) meters away from the creek that flows within the concession. 2. Small quantities of sawdust and wood ends are expected to be generated and will be left at the tree stumps to decompose. However, some of the wooden boards will be reused as meat boards, stools, etc. |
| <p>Cumulative Impacts - there are several other active small-scale logging concessions surrounding this concession, which can impact air, water, and land cumulatively.</p> | <p>Cumulatively, the impacts on air, land and water will not be significant since the concessionaires have to adhere to the Code of Practices and regulations set forward by the GFC to ensure that logging is done in a sustainable manner and the Environmental Protection Act and its associated regulations for environmental protection.</p> |

Prepared by:

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