

Environmental Protection Agency
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CENTRAL REGISTRY

PROJECT SUMMARY

Balam Seeram Construction and Consultation Services

Workshop Construction

128 Railway Line Good Hope, East Coast Demerara

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ENVIRONMENTAL PROTECTION AGENCY
Database Updated

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Introduction

Balram Seeram Construction and Consultation Services was established in 2015, and specialized in welding, Fabrication and construction of a wide variety products and service applications.

Our services and job are done primarily on customer site as we lack the facility at, they moment to conduct any medium or large-scale job.

It is for this purpose we are now seeing an Environmental Authorization for the Construction of a Workshop at Lot 128 Railway Line Good Hope East Coast Demerara that will allow us to grow and develop our business opportunities and services.

Project Location/ Site Description

This Project is located within Guyana Coastal Plain at 128, Railway Embankment Road in the Administrative Region #: 4. They site is located on the right-hand side of the railway embankment road proceeding west, its it approximately 20 minutes' drive from Central Georgetown. They surrounding land use comprises of a mix of industrial, agricultural and residential land use (Fig 1).



The land is primarily clayey soil with grass and shrub vegetation. The project site is flat, with existing drainage, therefore no incidence of flooding and water logging is envisaged for they project. No alternation of the existing drainage system is envisaged.

The area is free from any eco-sensitive zone / area. No threat on bio-diversity is envisaged due to the project. No forested land exist in the vicinity and no ecologically important habitats were observed in the project area.

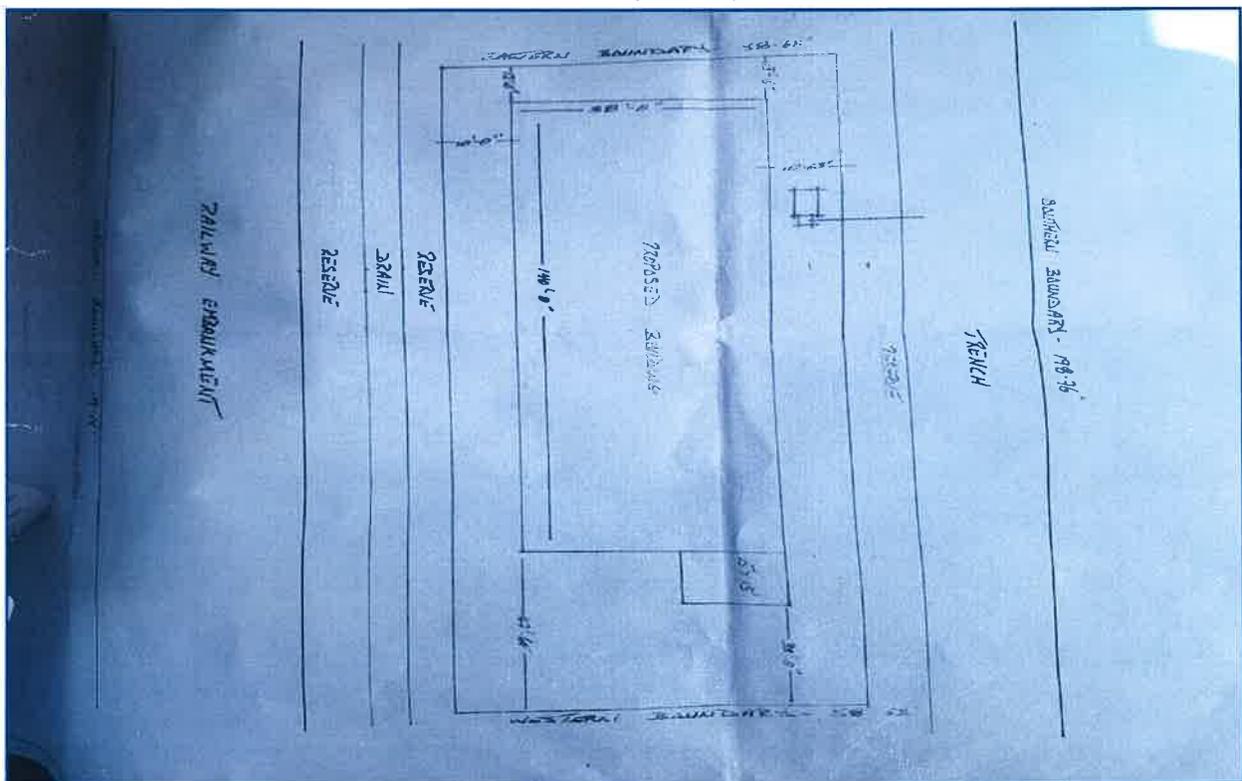
Activities Associated with the Development Stage of Project;

This Project is for the Construction of Fabrication / Consultation office space and workshop and as such the following stages includes;

1. Mobilization.
2. Site clearance.
3. Erection of hoardings, welfare facilities and so on.
4. Setting out.
5. Excavation.
6. Installation of foundations.
7. Frame construction
8. Demolition.

All raw material and labor were sourced locally, water is supplied by GWI and Electricity from Guyana Power and Light both of which are already installed at site.

Our communication thus far is through cellular services provider GT& T and Digicel, this will be upgraded to GT& T landline services once our request is processes and facilitated by GT&T.



Waste Management

Our waste management is being contracted to Puran Bros Waste Management and disposal services, by the rentals of bin which are pick up weekly.

Upon completion of our workshop, we will begin the segregation of waste and incorporate recycling as applicable.

They following waste are expected once our workshop becomes operational;

- ✓ Liquid Waste. which will be drain in designated drainage facility
- ✓ Solid Rubbish. Bin to be properly labelled and waste disposal company to uplift weekly
- ✓ Recyclable Rubbish. Such as scrap metals which will be sold/ send to scrap metal facility.

The Project design, size and capital investment;

They project involves the construction of 1500 square feet workshop, and office facility to and estimated cost of Seventy Million (\$70,000,000) Guyana Dollars for industrial use to accommodate heavy duty machines such as welding plant, Benders, Grinders and overhead gantry.

This workshop expects to employ approximately eighteen (18) employees to commence operation and has the capacity to expand as needed.

Works expected to be facilitated by this workshop includes;

- ✓ Steel welding & metal fabrication
- ✓ Welding of tanks
- ✓ Prefabrication
- ✓ Installation of pre-fabricated parts
- ✓ Repair and general maintenance

Duration of the Project:

They project of construction of Workshop expects to last for approximately six (6) months, after which they workshop, operation will commence indefinitely.

Potential effects on the environment and proposed plans to mitigate environmental impacts.

They main activity associated with the project phase are land clearing, earthworks, machine operation, concrete and steel works. these will have the potential to directly or indirectly effect the environment. The potential impacts are lost of habitats, pollution of air, generation of solid waste and health and safety related.

The impact however, are insignificant and short term in duration and therefor mitigable.

The following is a preliminary assessment of possible impacts to environment and human health and the mitigation measures that will be implemented.

Table 1. Possible Environmental impacts and mitigation measures

Environmental Component	Nature of Impact	Impact Significance	Mitigation Measures
Waste	Waste generated during construction and operation that are generally municipal/ domestic in nature	Insignificant mitigable	Recovery, recycle as far as practical. Garbage receptacles placed at appropriate locations on site and covered. Construction debris will be segregated and stored in storage bins provided at the site. regular collection and disposal by authorized disposal services for disposal at Haags Bosch landfill.
Air Quality	Dust particles is a potential environmental impact during construction	Insignificant mitigable	Avoid open storage of sand and other materials that may become windblown. Wet areas during construction. The process of spraying water should be carried to at least three times on every construction day especially if construction work is carried out during, they dry season. Haulage trucks will be covered and the aggregates sprayed with water before loading the haulage trucks.
Noise	During the construction, noise is expected to generate mainly from machinery and vehicular traffic	Localized and short term mitigable, Insignificant	Maintain appropriate working hours between 7 am to 17:00 hrs.
Human Health and Safety	Potential for accidents and upset conditions related to workers safety and health during construction and operations	Mitigable	Provide workers with training in the proper use and maintenance of equipment. Appropriate PPE and safety equipment. proper housekeeping. First Aid for all staff on the site.

Project Summary Layman Language

This project is for the construction of a workshop and office facility for Seeram Construction and consultation Service, they facility will be approximately 1500 square feet.

This project is expected to be competed in the last quarter of 2021, and expect to comment day to day operation starting in the year 2022.

Upon completion the company expect to commence operation with approximately eighteen employees.

Equipment to be housed at facility includes;

- ✓ Lathe
- ✓ Grinder
- ✓ Bender
- ✓ Welding machines
- ✓ Generator (Sound attenuated)
- ✓ Cutting machine
- ✓ Overhead gantry
- ✓ Roller
- ✓ Sheer