

Environmental Impact Assessment (EIA) Screening Decision Welding & Fabrication Workshop

1 SUMMARY OF THE PROPOSED PROJECT

Balram Seeram Construction & Consultation is located at 128, Good Hope, Industrial site, East Bank Demerara. It is situated north of the railway embankment, approximately, 20 minutes from central Georgetown. The location is surrounded by mixed land use comprising of agricultural, industrial and residential dwelling.

The nearest residence is approximately 20 meters west and 45 meters north from the project location. The project will include a 100"x38" workshop for operations specifically welding and fabrication activities such as steel welding, metal fabrication, welding of tanks, prefabrication, installation of pre-fabricated parts and repair & general maintenance.



Figure 1: Location of Project

2 POTENTIAL ENVIRONMENTAL AND SOCIAL IMPACTS AND SCREENING DECISION

The EPA based on existing data, its technical review, observations/field inspections and exercise of its discretion has determined the following:

- **Impacts to Air Quality:**

There is potential to negatively impact air quality from air emission generated by the operation of the backup generator (90kw) and welding process. Main potential receptors are residents within 100 meters of the Industrial Site. The potential impact is expected to be negligible, localized and acceptable given that the generator will only be used during power outage and one welding machine will be used by the project.

While this impact is certain to occur during operation, the overall significance or risk to the environment is considered low.



Mitigation measures proposed and available include but not limited to:

- ✓ The generator will be maintained according to manufacturing Specification;
- ✓ Fumes extractor and filtration system will be installed above the welding equipment to scrub/treat air emission prior to release into the environment.

And therefore, the impact is **not potentially significant**.

- **Impacts to Noise Quality:**

The project has the potential to emit noise during operation from the generator (80dB) and five (5) welding machineries (79dB). Two households located within 45 meters of the project will be the closest receptors. The potential impact is expected to be negligible, localized and acceptable given that the generator will only be used during power outage and the welding machineries will be housed indoors.

While this impact is certain to occur during operation, the overall significance or risk to the environment is considered low.

Mitigation measures proposed and available includes but not limited to:

- ✓ Generator will be enclosed in a hard case and equipped with silencer and mufflers. Further, it will be sited within a hollow block enclosure to further buffer the noise;
- ✓ Welding machineries (Grinder, lathe, cutting, sheer and roller machines) will be sited within the work-shop, which will be constructed with hollow blocks.

And therefore, the impact is **not potentially significant**.

Conclusion and recommendations

The overall significance of environmental impacts of this project are considered to be low (negligible magnitude and unlikely to occur). Appropriate mitigation measures are in place to reduce and avoid the above impacts. Therefore, this proposed project is exempt from the conduct of an Environmental Impact Assessments (EIA), as set out in section 11(2) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.