



# GAFSONS INDUSTRIES LIMITED

## Project Summary

**Project Title:**

Gafsons Industries Limited - Operation of an installed Diesel Fuel Tank for Internal Operations

**Company Name:**

Gafsons Industries Limited – Nismes Complex

**Address:**

Nismes, West Bank Demerara

**Contact Number:**

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**Prepared By:**

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**Date:**

30<sup>th</sup> January, 2026

## **1. Site Information**

The Nismes facility is located with a main public road along the western boundary of the compound. Residential properties are situated across the roadway to the north, south, and west. The eastern boundary fronts the Demerara River, where an existing wharf forms part of the property. This wharf is currently not in operation; however, it was historically utilized for the transportation of materials such as tanks and stone via the Demerara River from the LOC wharf.

The compound operates under a controlled traffic management system comprising one designated entrance and one designated exit aligned along the east–west axis. Both access points are manned by security personnel. The internal yard surface is fully concreted, providing a stable and durable surface for vehicular movement and material handling activities.

Upon entry on the southern side of the compound, there is a two-storey retail outlet buildings located, along with two storage bonds. One bond is used for the storage of PVC materials, while the second bond accommodates zinc coils and steel rods, zinc sheets being also corrugated on-site. Further east within the compound, an additional bond facility is dedicated to tile storage.

## **2. Operational Information**

The facility functions as both a wholesale and retail operation. The departments operating within the compound include :

- Ironmongery
- Electrical
- PVC
- Tiles
- Paint
- Flatpack
- Sanitaryware
- fishing supplies, and tools.

Operating hours are Monday to Friday from 7:30 a.m. to 4:30 p.m., and Saturdays from 7:30 a.m. to 1:00 p.m. The workforce comprises approximately 46 employees across sales, cashiering, warehousing, security, cleaning, and administrative functions.

Heavy-duty equipment is utilized for operations on-site and includes two forklifts with lifting capacities of 10 tons and 1.5 tons respectively, as well as a front-end loader used primarily for

stone deliveries. Customer pickups for bulk items are facilitated through the bonded storage areas. All outgoing goods are verified by bond security personnel prior to exit, with checks conducted by the delivery clerk and an EC representative stationed at the bond.

### **3. Bonds and Storage Areas**

All goods at the facility are stored within bonded storage areas. Materials include steel, PVC, tiles, zinc sheets, paint, and other hardware-related products. Goods are handled through a combination of manual handling, forklifts, and pallet jacks, depending on material type and weight.

The bonded areas are equipped with appropriate fire and safety infrastructure, including fire extinguishers, clearly marked fire point signage, and sand buckets distributed throughout the bonds and retail store areas. Staff are provided with the required personal protective equipment (PPE). Storage systems include shelving, racking, and palletized arrangements to ensure safe and organized storage. Hazardous and flammable materials, such as paints, are stored in designated areas in accordance with established safety requirements.

### **4. Operations and Production Details**

Corrugation activities are housed within a designated bond and carried out using specialized machinery, including a corrugator machine, a trapezoidal corrugator machine, and a ridging machine.

The operation is staffed by two machine operators, one porter, and one junior supervisor. Production output averages approximately 20 corrugated coils per day, supplying both the Parika outlet and the Nismes facility. One zinc coil produces approximately 4000 running feet of output. Operations are conducted during normal daytime working hours, with no night shifts.

#### **Corrugating Process**

Plain zinc coils are placed onto a coil dispenser using a forklift. The zinc sheets are then fed into an automated corrugating machine, which is programmed to produce the required sheet lengths and quantities. Finished corrugated sheets are subsequently transferred to the zinc bond for storage and distribution.

Operationally, one corrugator operates daily between 7:30 a.m. and 5:00 p.m., with an average weekly production of approximately 3,000 linear feet. The equipment is electrically powered, generates minimal noise, and does not produce dust, emissions, or effluent.

## **5. Machinery and Equipment**

Key machinery on-site includes corrugation, trapezoidal, and ridging machines used for sheet production. These machines are electrically powered and operated by assigned personnel. Routine maintenance is conducted to ensure efficient performance and to minimize noise, vibration, and emissions. No significant fumes, smoke, or dust are generated beyond normal operational levels.

The facility is additionally supported by twelve 450-gallon backup water tanks installed on the two-storey outlet building.

## **6. Utilities and Power Supply**

The primary power supply is provided by the Guyana Power and Light (GPL). A 115 KVA generator is installed as a backup power source and is housed in a designated generator room located to the right of the main store. Fuel for the generator is stored in a 2,500-gallon tank enclosed within a bund wall and equipped with a fire extinguisher and sand bucket. The fuel storage area is located approximately 150 feet from the main entrance.

Water supply is supported through on-site storage tanks and is utilized for retail operations, washroom facilities, and general cleaning purposes.

## **7. Drainage and Stormwater Management**

The compound is fitted with an internal drainage system designed to manage stormwater runoff. Drains are located throughout the yard, including between the designated entrance and exit points. The drainage infrastructure is periodically maintained, and there is no recorded history of significant flooding or drainage-related issues.

Waste is managed in-house through a weekly scheduled collection system using the company's garbage truck. A total of ten (10) skip bins are positioned across the various outlets. The truck is operated by a designated driver and porter who are assigned specifically to waste collection duties.

In the event that any bin becomes full prior to the scheduled collection day, the respective outlet manager may submit a request for an additional pickup and the truck will be dispatched accordingly to prevent overflow or unsanitary conditions. All collected waste is transported and disposed of at the Eccles Dumpsite, Hogs Boosh.

## **9. Health and Safety**

Comprehensive occupational health and safety measures are implemented across the facility. Employees are provided with PPE including gloves, safety boots, reflective vests, and helmets, depending on assigned duties. Fire safety systems include fire extinguishers, fire

point signage, and clearly marked emergency exits. First-aid kits are available in both the retail store and bonded storage areas, and staff are familiar with emergency evacuation procedures and designated assembly points.

Training and supervision are provided to machinery operators to ensure safe operations. Safety instructions and warning signage are displayed throughout the compound.

## **10. Security Operations**

Security operations are maintained on a 24-hour basis. The compound is monitored by a comprehensive CCTV surveillance system and controlled access points. Daytime security includes one armed security guard on duty. Night-time security consists of one armed guard, one baton guard, and one CCTV operator. All delivery vehicles and visitors are logged, and records are maintained for goods entering and exiting the compound.

## **11. Environmental Management and Control Measures**

### **11.1 Air Quality Management**

No significant air emissions are generated from operations at the facility. Corrugating activities are electrically operated and do not involve combustion processes. Dust generation is minimal due to concreted operational areas, and regular housekeeping practices are implemented to prevent dust accumulation.

### **11.2 Noise Management**

Noise generated from forklifts, front-end loaders, and corrugating machinery is minimal and remains within acceptable industrial limits. Operations are restricted to daytime hours only. Equipment is routinely serviced to prevent excessive noise levels.

### **11.3 Water Management and Effluent Control**

Waste is managed in-house through a weekly scheduled collection system using the company's garbage truck. A total of ten (10) skip bins are positioned across the various outlets. The truck is operated by a designated driver and porter who are assigned specifically to waste collection duties.

In the event that any bin becomes full prior to the scheduled collection day, the respective outlet manager may submit a request for an additional pickup and the truck will be dispatched accordingly to prevent overflow or unsanitary conditions. All collected waste is transported and disposed of at the Eccles Haags Bosch Dumpsite.

#### **11.4 Fuel and Chemical Storage**

Diesel fuel used for machinery and backup power generation is stored in a designated 2,500-gallon tank located on the western side of the bond. Paints and other flammable materials are stored within designated areas of the self-service store in accordance with safety and environmental guidelines.