

# **Rural Poultry and Organic Farms**

**Lot 56 Unity, Mahaica, East Coast Demerara**

## **Project Summary**

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**Prepared by**

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**Name of Developer:** Rabindranauth and Chandrawattie Sukar  
**Developer's Address:** Lot 275 Fourth Street Area 'Y' Cummings Lodge, Greater Georgetown  
**Contact Details:** 645-2804 or 647-3835  
**Business name:** Rural Poultry and Organic Farms  
**Project Location:** Lot 56 Unity, Mahaica, East Coast Demerara  
**Project Type:** Poultry Rearing and Processing of Boilers (Meat birds)  
**Project Duration:** 50 years

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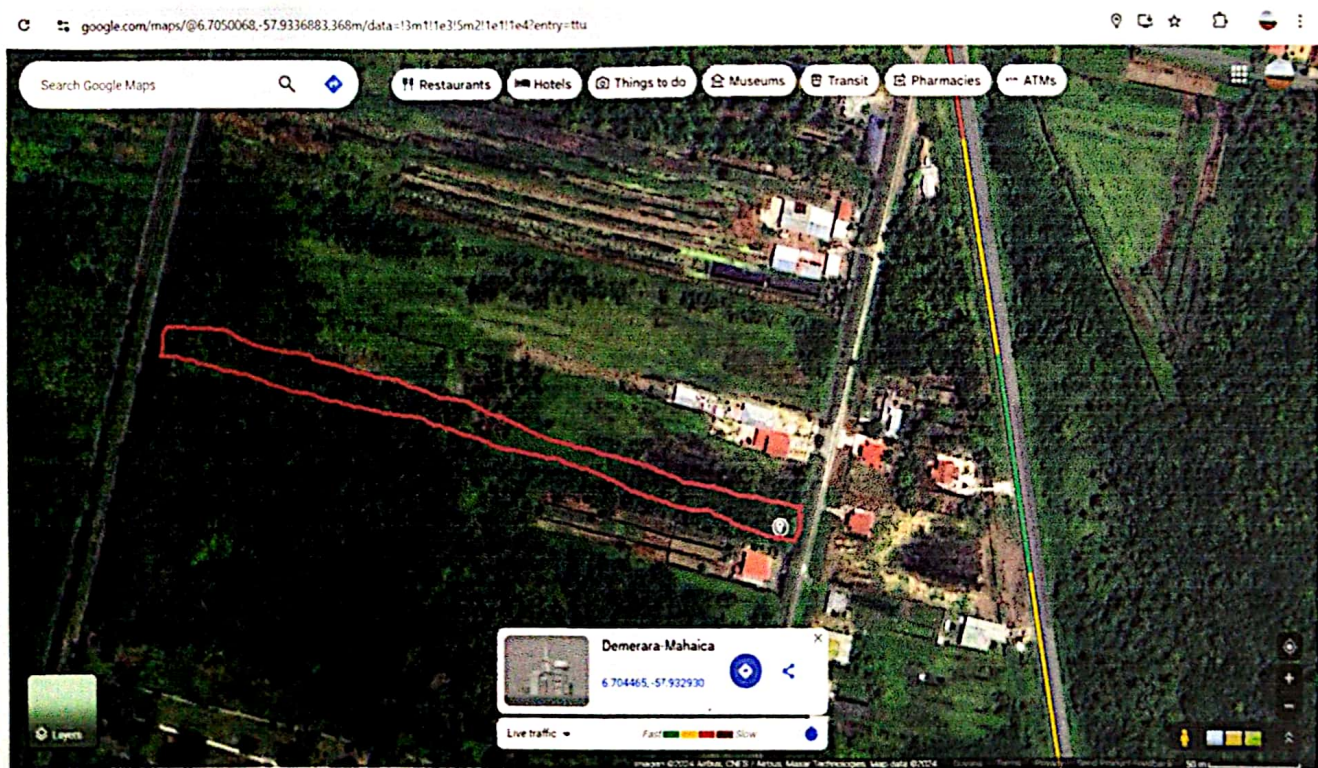
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## Introduction

Rural Poultry and Organic Farms in a new venture introduced to the local market, this activity will be located at lot 56 Unity, Mahaica, East Coast Demerara in an area identified as an agriculture zone which can be accessed by the Mahiaca New road /Main road. The facility is now under construction (drive way, drainage, land clearing and construction of dwelling house). The area identified for the construction of the poultry pens is 20ft x 400ft west of the property. The Boilers will be bred in different stages more than 5 smaller pens of dimensions of 20\*75ft, this is for adequate spacing, minimise risk of contamination, different stages of production, among other factors as recommended by GLDA.

The surroundings are of mixed nature mostly agriculture production and crops. Please refer to Appendix 1 for site location and proposed facility.

## Appendix 1



Map Showing location of facility and surroundings

### **General Information**

Six (6) to eight (8) persons will be employed to work at the facility. Working hours will be 8:00hrs to 16:30hrs- Monday to Sunday. Personal Protective Equipment (PPE) will be provided for the workers which include gloves, eye protection, long boots and face mask. A First Aid Kit will be located on site to treat any minor cuts or bruises and transportation is available 24hrs for any emergency.

Utilities such as water, electricity and communications are provided by local utility companies (GWI, GPL and GTT). Fuel will not be stored onsite and no generator will be used as a backup since it's the nature of the project to also keep the environment in mind and participate in using green energy (solar) as a backup/secondary source of electricity.

Water will be stored in six (6) 450 gallons tanks with a water filtration system for constant supply of clean and filtered water. Majority of the feed will be stored in the storage facility 20\*20ft bond and small amounts for refills will be stored within the pens.

### **Operation**

The operations process of the facility is as follows:

1. The boiler chicks will be bought from local Hatchery at one (1) day old fully vaccinated.
2. The birds will be placed in compartment of the pens that allow for successful brooding.
3. During the brooding phase the birds are fed, chicken starter and subsequent grower which are also sourced from local suppliers.
4. After 15 days of brooding the birds will have access to larger parts of the pens where they are reared until the end of the growth cycle. The bedding will be turned frequently to avoid caking.
5. At 6-7 weeks old the birds will be sold either live or processed in a sanitary and safe environment to ensure the proper handling and storage of the product for human consumption. It should be noted also any processed birds will be done via Hallal (prayer) method approved by the Central Islamic Organisation of Guyana.
6. After the birds are removed from the pens, all litters (bedding) will be picked up and placed into 20kg bags (recycled feed bags) which will be given to local farmers to utilize same as fertilizers; the pens will be washed, sanitized, disinfected and remains unoccupied for 2 weeks before another cycle of boilers are reared.

**Potential Environmental Impacts and Mitigation Measures**

Potential Environmental Impacts	Proposed Mitigation Measures
<p><b>Odour Nuisance:</b> Odour Nuisance from the facility could be emitted from the improper management of wastes and the improper cleaning of the facility.</p>	<p>To mitigate this impact, the facility will be cleaned daily, before and after production with bleach, jays fluid, etc. (environmentally friendly products). Additionally, waste will be properly managed as outlined in the waste management section below. Fruit trees will also be planted around the perimeter of the property and pens to reduce odours. Also the pens will be inspected daily for watering cans leakages and spillage as well as constant toping up of bedding and turning to avoid caking.</p>
<p><b>Water Pollution:</b> Water pollution from the facility could occur due to the release of untreated effluent into the water ways.</p>	<p>To mitigate this impact, effluent from the processing of birds will be directed into a septic tank which will be disposed by a waste disposal company. Holding tanks will also (additional septic tank) be implemented for storage of waste water resulted from the washing of the pens same will be treatment prior release into a drainage canal located at the west of the property (back of the facility).</p>
<p><b>Noise and Dust Pollution:</b> Noise pollution may occur from the use of electric water pumps or plucking machines onsite. No generator will be operating onsite and temporary noise during the construction of the facility.</p>	<p>To mitigate this impact, electrical pumps will be used for the water filtration and pressurised system. The plucking machine is of electrically driven motors therefore the noise emitted from same can be deemed minimal. Additionally, the plucking machine will only be in use during normal working hours (Monday to Saturday between the hours of 8:00am-4:30pm). Impacts of dust and noise pollution primarily during the construction of the facility would be minimal and short term.</p>

**Waste Management**

**Solid waste management:** Solid waste generated will be placed into receptacles which are disposed by of private garbage disposal Company.

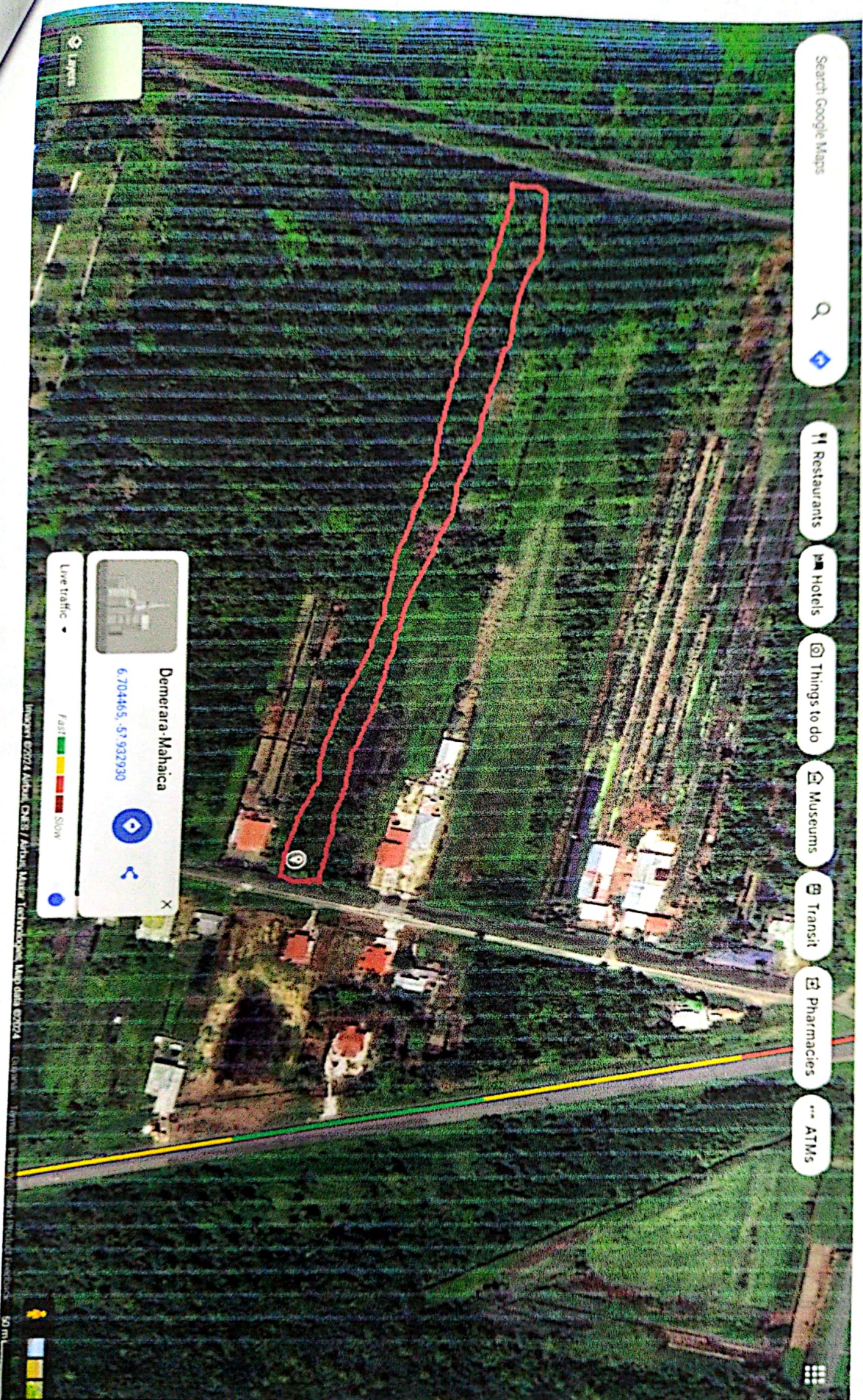
**Organic waste:** Organic waste from the poultry such as manure will be given to cash crop farmers, dead birds will be given to pig farmer and also cooked for dog food.

**Municipal waste:** Municipal waste from the facility will be discharged into septic tanks. The septic tank is accessible for cleaning and will be emptied when filled by the solid waste disposal company.

**Effluent:** The principle effluent stream generated will be waste water from the cleaning of the pens during processing and maintenance.

Appendix 1

google.com/maps/@6.7050068,-57.9336883,368m/data=!3m1!1e3!1m2!1e1!1e4?entry=ttu



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