

NAME OF PROJECT

Poultry Farm

NAME OF DEVELOPER

Mahendra Deonarine

LOCATION

Grant 4192 Jackson Creek
Corentyne, Berbice

CONTACT

Mahendra Deonarine
Tel: 626-1422; 339-2422

DATE

January 27, 2025

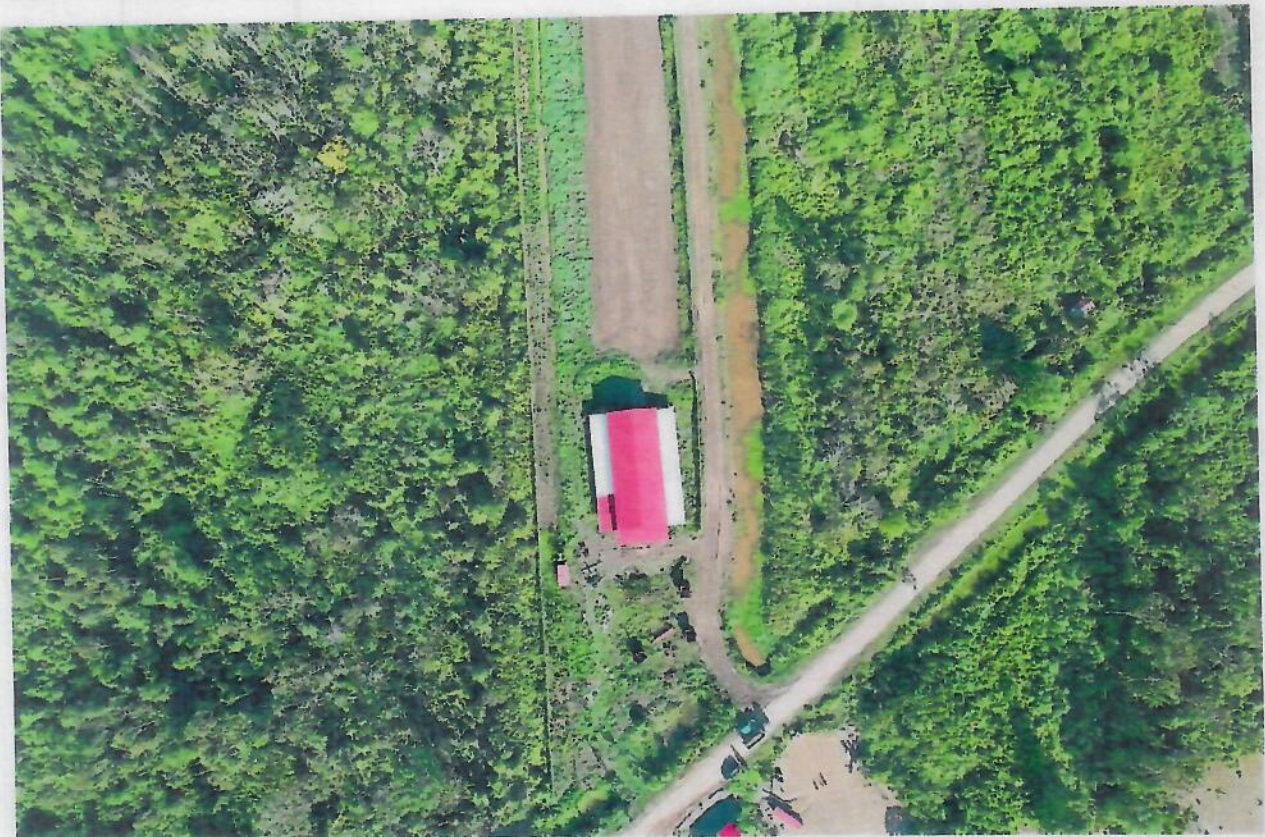
PREPARER

Khemraj and Khemraj Business Consultancy

Corriverton

Tel: +592-648-1936 / 335-3184

AERIAL VIEW OF PROPOSED PROJECT



SUMMARY OF PROPOSED PROJECT

The proposed project involves the construction of an earthen poultry pen (no concrete inside) measuring 250 x 40 ft to accommodate 5000 meat birds in batches of 1000. The outer perimeter of the pen The pen will be located at Grant 4192 Jackson Creek, Corentyne, Berbice held under transported property #1047/2005 containing 25 Rhymland acres. The location is considered a commercial zone mainly farming, fishing etc. Additionally, the site will also have storage facility and a small living quarters for 2 persons. The project area will be fenced by chain link fencing for security purposes.

Upon completion the project is intended to hire 10 employees to assist with the daily operations. Mr. Mahendra Deonarine will be managing the operations who has a fair amount of experience in the similar business. All supplies will be sourced from D Arjune & Sons Poultry Est. (baby chicks, feed, medication etc.) Veterinary checks will be sourced locally to ensure the birds are in healthy condition. The meat birds will be sold exclusive to D. Ajune & Sons.

The project investment will consist of the following:

➤ Land Clearing	\$1,200,000.
➤ Land Filling & Levelling	\$1,500,000.
➤ Fencing	\$ 850,000.
➤ Land Irrigation	\$ 500,000.
➤ Construction of Pen	\$5,000,000.
➤ Storage & Living Quarters	<u>\$1,500,000.</u>
Total	\$10,550,000.

Projected Annual Turnover: 20 – 35 Million Guyana Dollars

PROJECT DESIGN

The poultry pen will be constructed on land that has 25 acres of land and the proposed project will accommodate only 180,000 sq ft² in size. The land was previously cleared and had a poultry pen which was considered dilapidated. Subsequently, new land clearing and filling was carried out to accommodate the new pen. The pen will measure 250 x 40 ft. The project site is located along the Corentyne River and has a vast area to accommodate the proposed project. No dwelling houses are located in the other three cardinal directions.

The developer plans to rear a capacity of 5,000 meat birds in batches of 1000. All meat birds will be sold directly to D Arjune & Sons Poultry Estb. All wastes (excreta, feathers, spilled feed, dead birds, bedding materials etc.) will be scooped and placed in plastic drums for cash crop farmers in the surrounding community which is a good source of manure. It is important to note that my father is a very large cash crop farmer and he will be the main person collecting same.

Water and electricity will be supplied to the lot by the Guyana Water Inc. and Guyana Power and Light Inc. respectively.

POTENTIAL ENVIRONMENTAL IMPACTS AND PROPOSED MITIGATION MEASURES

Construction Phase

Construction activities will entail construction of the following:

- Land Clearing
- Land Filling & Levelling
- Fencing
- Land Irrigation
- Construction of Pen
- Storage & Living Quarters

Approximately 4-6 persons will be employed during the construction phase which is expected to last 2 ½ months.

POTENTIAL ENVIRONMENTAL IMPACT	MITIGATION MEASURES
Domestic and Construction Waste	
During the construction phase, waste there will be waste construction waste such as pieces of lumber and cement bags among other waste. There will also be domestic waste generated from the presence of the construction workers which may include food scraps, food boxes and other solid waste.	The developer will place waste collection receptacles at the construction site and he will engage a private waste collection service to remove said waste on a daily or weekly basis as may be necessary
Air Pollution	
Construction activities may generate dust such as, cutting lumber, mixing concrete, transporting sand, stone etc.	Construction site will be soaked as is necessary and workers will be required to wear dust masks as is necessary.
Noise Nuisance	
Construction activities may generate noise through the operation of equipment and machinery. There include: generator, lorry, power tools etc.	Construction activities will not be undertaken in the nights and the developer will ensure that all necessary measures are taken to reduce any noise nuisance. Notably, the surrounding neighbors are approximately 200 ft away.

Project Phase:

The project will consist the following phases:

Project Description	Status
a) Land Clearing	Completed
b) Land Filling & Levelling	Completed
c) Fencing	Completed
d) Land Irrigation	Completed
e) Construction of Pen	The construction of the pen is expected to commenced by Oct 10, 2025 and will be completed by Nov 30, 2025. a) Foundation for columns b) Walls & enclosure (the floor will earthen) c) Roof & Rafters d) Internal fixtures (feeders, water cans etc.) e) Utility f) External walkway
f) Storage & Living Quarters	The construction phase is expected to commenced by Nov 30, 2025 and completed by Dec 22, 2025.

Operational Phase

The poultry business is expected produced approx. 15000 - 17000 meat birds annually. All produce will be sold to D. Arjune & Sons Estb. The process entails:

- Baby chicks will be sourced from D. Arjune & Sons hatchery and transported by lorry in ventilated boxes.
- The birds will be placed into pen for that allow for successful brooding.
- After 15 days 500 birds will be placed into a larger section of the pen where they will be reared until the end of growth cycle. This process will be continuous to ensure a steady flow of production and to maintain consistent growth and supply. All bedding will be turned frequently to avoid caking.
- After maturity the birds will be sold to directly to D. Arjune & Sons Estab.
- The pen will then be cleaned from all litters. The litters will be placed into plastic drums which will be given to farmers for fertilisers. The pen will be washed, sanitized with Jazs and Soap-powder and allow for 2 weeks before another cycle.

The developer will implement the following for both the Construction and Operational Phases:

1. Ensure appropriate Personal Protective Gears are worn during construction and operational phases
2. Ensure there is no unwanted or deleterious discharge into the surrounding environment for both construction and operational phases.
3. Implement a strict no dumping policy
4. Provide first-aid kit on site
5. Establish muster point and identify emergency procedures.
6. Comply with the National guidelines regarding occupational health and safety.

POTENTIAL ENVIRONMENTAL IMPACT - POULTRY	MITIGATION MEASURES
Odor Nuisance: Odor Nuisance from the facility could be emitted from the improper management of wastes and improper cleaning of the facility.	To mitigate this impact, the facility will be cleaned daily, before and after production with bleach, jabs 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 odors. Also, pens will be inspected daily for watering cans leakages and spillage as well as constant topping up of bedding and turning to avoid caking.
Water Pollution: Water pollution from the facility could occur due to the release of untreated effluent into the water ways.	To mitigate this impact, effluent from the birds will be collected and deposited into a plastic drum and will be given to cash crop farmers. All waste water from cleaning and washing pens will be drained into a running canal.