

## PROJECT SUMMARY

NAME OF PROJECT: DIANNE'S NATURAL  
PRODUCT

NAME OF DEVELOPER: DIANNE AMALY  
SONGSTER

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## **Site Description**

Dianne's Natural Products will be located at Lots 261-262 No. 64 Village Corentyne Berbice, Fifth Street north of the public road. The operation would be conducted on an 80 ft by 260 ft plot of land. Behind the land comprises a garden and a smoke oven. The surrounding area is vastly covered by vegetation with no surrounding residents. Some squatters are located approximately 250 meters south of the site. There are surrounding drainage that leads into a canal which leads into the Corentyne River.

## **Project Design**

### **- Construction Phase**

Construction will begin in the next three months and this phase will be completed within three weeks once all materials and workers are available. There is an incomplete pen of size 20ft x 40ft x 12 ft. The raw materials such as wood/shaven would be purchased from Hareh Sawmill located in Skeldon and other raw materials will be purchased from Sankat Real Estate Holding Inc at No. 64 Village Corentyne Berbice. Construction on the pen will be done by four workers who will work from Mondays to Fridays from 8:00 hrs to 16:00 hrs. After construction is completed, the pen will be prepared for the chick's arrival.

### **- Operation Phase**

Five hundred (500) chicks (layers) will be the stipulated amount for a start-up. These vaccinated chicks, feed and medication will be purchased from Stock Feed LTD located on the East Bank Demerara. Before the chick's arrival half of the pen will be set up with wood shaven, waterer (multivitamin water), feeders (Starter) and other essentials to support the early growth phase. After two weeks additional waterers and feeders are added to the pen and the pen is extended. Six weeks after the bird will be given pellet feed until maturity which will take approximately 2-3 years. An average of 1000 nesting boxes will be placed in the pens to facilitate laying.

The farm will be managed by three workers, they will ensure that:

- The birds are fed and water is available.

- Dead birds and wet litter are removed from the pen. The dead birds will be buried to prevent the spread of disease to other birds.
- Picking up eggs from the nesting boxes. The eggs will be placed in a wheelbarrow and taken to the preparation room (a concrete building measuring 50 ft x 28 ft that is on the front lot) where they will be washed and packed into trays and then transported to local markets.

### **Beak Trimming**

Beak trimming is the partial removal of the bird's beak to prevent feather picking and cannibalism. This will be done by myself and the workers six weeks after the bird's arrival. Then, observations will be conducted on the birds over a period of time to know if a second beak trimming will be needed.

### **Post Harvest**

After the birds have reached their life span, they will be sold to local customers. The worker will then remove the bedding and store them in Sal bags to be given to the cash crop farmers. After which the pen will be washed with disinfectant and left to rest for three weeks. Before the next production.

### **Future Plan**

Depending on the production rate I am planning to expand my operation to rear 1000 layer birds.

**(4) The Project design including:**

Activities are associated with all development stages from construction to point as follows:

Housing

- Septic tank
- Grill works
- Fencing
- Door's installation
- Front & Back Veranda
- Window repair/ installed
- Building Beds & Cupboards

Pen

- 2400 bm wood materials
  - Blocks
  - Mesh
  - Zinc
  - Feed Cans
  - Water Cans
  - Tanks/ medication
  - Birds
  - Saw dust / Paddy shell
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- Sourcing water supply from G.W.I
  - Sourcing electricity from G.P.L/ Solar and a backup generator in the near future will be installed.
  - A source of communication will be added to the property by gtt along with Wi-Fi.
  - Waste management methods.

Domestic Waste will be taken away by cevons waste management services.

Poultry waste will be used for farming.

**(4) The Project Size:**

- Capital Investment            13,173,600
- Number of Investment        5840,000
- Rates of Production         44.33 %

**(5) A non-technical explanation of the project:**

Dianne's Poultry rearing will be dealing primarily with the rearing of five hundred (500) to a thousand (1000) birds' layers for domestic consumption in order to generate an income while serving the community and Market places at large enhancing the livelihood of persons through quality service provided.

**(6) The duration of the project will last depending on how the birds' lays.**

Good layers will lay for about 50 -to 60 weeks and then have a rest period called a mott.

Most lay birds are kept for 2-3 years. As the eggs production decreases you sell out and  
by in a fresh set.

**Potential effects on the environment which may result from the existence of the project during the construction phase:**

**Land** – construction of the pen would not lead to any environmental impacts.

**Soil** – construction of the pen would not lead to any environmental impacts.

**Water** – sand and cement particles can run off into the water if rain falls. To prevent this material will be purchased as needed.

**Air** – there will be a very small amount of dust particles produced from cutting wood however, there are no surrounding residents that can be affected. Also, noise will be produced from the hammering of nails on the wood to construct the pen. However, this will be negligible since much noise is not produced from a hammer.

**(7) Potential effects on the environment which may result from the existence of project:**

**Land:** there will be no contamination because pen will be cemented which will make clearing and cleaning more effective.

**Soil:** Farmers will use the litter that is removed from the pen to grow their crops organically with the uses of less chemicals.

**Water:** Will be treated with Chlorine and disinfectant when washing down. The wash water will then flow in a concrete drainage leading from pen to main canal catching all solid waste into a sieve so that there won't be any build up or blockage of canal.

**Air:** The usage of ammoniacum/ Alum will be incorporated within saw dust shavings or paddy shells to curbs and control <sup>the</sup> scent and pen will be cleaned on a regular basic.

**(8) Proposed plans to instigate environmental impacts:**

I will administer all effective ways in controlling any situation that may have a possibility to exist by using the methods that are listed on page (7) to have a productive and quality service provided.

*Dianne Jorgensen*

10.06.2024