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**AFE 202- Food Production and Health Awareness**

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**A FEASIBILITY REPORT FOR THE DEVELOPMENT OF A PRODUCE DISTRIBUTION FARM AT EMELU, RIVERS STATE, NIGERIA**

**INTRODUCTION/ EXECUTIVE SUMMARY**

JOYFUL FARMS LLC is a world class and licensed produce farm and crop distribution Company that will be based in Emelu ,Rivers State, Nigeria. We have carried out our detailed market research and feasibility studies. Our produce farm and distribution is going to be a quality farm hence will be involved in growing crops such as roots, tubers, vegetables and fruits.

**PROJECT DESCRIPTION**

 The fishery plan is for the purpose of producing different types of farm produce and selling them. The labour required would be available, particularly the unskilled, which are readily available in the project area. Mechanical construction would be adopted for the construction of storage rooms before transportation because of the economic advantages. The market existing in the area has not been exploited thus, the project market is therefore unlimited and all crops would be a ready market. The demand for crops exceeds the supply required electric power would be supplied by a 6kva generator. The electric supply would be used in pumping water from the borehole.

There would be no difficulty in the introduction of technology to be adopted for this project. The manager of the project will be adequately trained personnel with skills in farming.

**PROJECT LOCATION**

A careful consideration has been given to the easy accessibility of sufficient quantity of water, easy accessibility to the site, proper climatic conditions, easy accessibility of production inputs, socio-economic aspects, and marketing channels, among others. The project would be located on a 100 by 200m piece of land at Emelu. Currently, there is not much produce farm in the area and the main decision to locate the proposed farm at Emelu was based on the fact that the market for the product is large and can be profitable. Also, the cost of the land is considerably low because it is presently not used for any major economic venture.

**PROJECT TECHNICAL FEASIBILITY**

The project is technically feasible. The project would be in two distinct compartments(crop production and a storage and distribution). The production section would be concerned with the production of crops for consumption. The layout of the production would start with two production ponds measuring 25m2 each. In the first year of operation, the storage units would be constructed and stocked. The two initial ponds would have a total density of 12,000 crops when stocked. In the second year, two additional production units measuring 25m2 each would be constructed.

The second section starts in the second year of production. At this time, all the equipment required for the production units will be supplied.

**PROJECT EXECUTION PLAN**

Once the project is fully implanted, a total of three units would be constructed. The storage rooms measure 4 by 4m and the stores measure 3 by 4m. Four production units would also be constructed and stocked for the products.

**PROFITABILITY**

Technical, scientific and financial based solutions will be employed to hedge against risks and safeguard profit.

**PROJECT TIMELINE**

The project will be completed within a year preferably June ,2021 to June, 2022 because land option and clearing is done during the dry season.

**ECONOMIC/FINANCIAL PLAN**

**COST OF LAND AND FISH FARM INFRASTRUCTURE DEVELOPMENT**

|  |  |
| --- | --- |
| **ACTIVITY** | **AMOUNT(=N=)** |
| 1. **Cost of land and development**
 |  |
| Land acquisition | ₦2,000,000 |
| Survey of land | ₦100,000 |
| Storage unit construction | ₦1,000,000 |
| **TOTAL** | **₦3,100,000** |
| 1. **Fish farm infrastructure development**
 |  |
| Cost of farm house | 2,000,000 |
| Fencing of the farm | 1,500,000 |
| Produce shade building | 500,000 |
| Generation of power | 100,000 |
| Water pump | 60,000 |
| Borehole | 1,000,000 |
| 2 800litre tanks | 500,000 |
| **TOTAL** | **5,660,000** |
| 1. **production materials**
 |  |
| Equipment(nets) | 1,000,000 |
| **TOTAL** | **1,000,000** |
| 1. **Salaries and wages of staff**
 |  |
| Farm supervisor | 500,000 |
| Farm assistants | 280,000 |
| Security | 240,000 |
| **TOTAL** | **1,020,000** |
| 1. **Variable inputs**
 |  |
| 12,000 roots | 360,000 |
| Feed | 200,000 |
| Organic fertilizer | 15,000 |
| Transportation | 400,000 |
| **TOTAL** | **975,000** |
| 1. **Other costs**
 |  |
| Fuel | 50,000 |
| Maintenance of farm | 100,000 |
| Maintenance of equipments | 150,000 |
| Stationery | 30,000 |
| **TOTAL** | **330,000** |
| **GRAND TOTAL** | **12,085,000** |

**OPERATIONAL COSTS**

Includes the cost of the day to day management of the farm, the wages and salaries of staff and procurements of the other operational inputs.

**CONCLUSION**

The project is technically feasible and commercially viable. It is therefore recommended for funding. The farm when in full operation would have tremendous economic and socio economic well-being of the people in Emelu. The farm would be a highly profitable project which would generate sufficient cash to sustain production from the second year.