**BUDGET SUMMARY FOR TILAPIA HATCHERY AND LABORATORIES**

The capacity of the proposed hatchery is to produce 500,000 juveniles per year (each weighing 3 grammes). The culture system to be used for effective hatchery production is the recirculation aquaculture system (RAS). This is an intensive system with minimal water wastage, as the water will be cleaned and recycled back into the system. The system ensures higher survival of fry, fingerlings and juveniles at every stage of development. Algae is a natural food for tilapia fry. In the tropics, the hot and humid weather is favourable for all year-round production of algae, which makes it cost effective in the long run.

The algae laboratory can also serve other farms in Bayelsa State by producing media which farmers could buy and use in the mass production algae for both fish and shrimp larvae. This laboratory will be the first of its kind in the Niger Delta and could also serve as a learning facility for the teeming students in the budding University Community. In order to manage fish health, it is recommended that the farm should have a standard fish health monitoring laboratory. The laboratory will be fully equipped to diagnose and recommend treatment in case of disease occurrence in the farm.

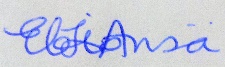
Please find below the budget summary for the ultra-modern tilapia hatchery and three laboratories.

BUDGET SUMMARY FOR TILAPIA HATCHERY AND LABORATORIES

|  |  |
| --- | --- |
| **S/N** | **ITEM** |
| 1 | **WATER QUALITY LABORATORY EQUIPMENT** |
| 2 | **ALGAE CULTURE LABORATORY FOR PRODUCTION OF PURE CULTURE OF CHLORELLA VULGARIS** |
| 3 | **OUTDOOR MASS CULTURE OF ALGAE (NATURAL FOOD FOR TILAPIA)** |
| 4 | **500,000 JUVENILES PER YEAR TILAPIA HATCHERY PLUG AND PLAY INCUBATION, FINGERLING AND JUVENILE SYSTEM – RECIRCULATION AQUACULTURE SYSTEM** |
| 5 | **FISH DISEASE LABORATORY EQUIPMENT AND REAGENTS** |
| 6 | **PROTECTIVE WEARS** |
| 7 | **TILAPIA HATCHERY BROODSTOCK YY SUPERMALES** |

**NB**: Item 5 will be supplied by **McDonald Scientific Emporium** (quotation attached). While the other items (1, 2, 3, 4, 6 & 7) will be supplied by **Veraloe Integrated Resources**.

Thank you,



**Dr. Ebinimi J. Ansa**

**Sustainable Aquaculture Expert**