Government Project Proposal for ***"Integrated Sustainable Fish Farming in Nashik District, Maharashtra."***

Client: ABC Aqua Solutions

Location: Nashik, Maharashtra

Target Scheme: Pradhan Mantri Matsya Sampada Yojana (PMMSY)

Background: The promoter wants to expand fish farming in 50 hectares using sustainable techniques combining fish, poultry, and vegetable farming. Funding under Department of Fisheries, Government of India – Fish Farmer Development Scheme is targeted. Professional grant proposal drafting is required for technical detailing, budget planning, and compliance adherence.

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GOVERNMENT GRANT PROPOSAL

Scheme Targeted: Pradhan Mantri Matsya Sampada Yojana (PMMSY)

Submission To: District Fisheries Officer, Nashik / State Fisheries Department, Maharashtra

Project Title: Integrated Sustainable Fish Farming in Nashik District (Fish-Cum-Poultry-Cum-Horticulture Model)

1.0 Executive Summary

1.1 Project Overview

The proposed project aims to establish a 50-hectare Integrated Aquaculture Zone in Nashik District, Maharashtra, under the Pradhan Mantri Matsya Sampada Yojana (PMMSY) – Integrated Farming Component. The project is designed to implement a sustainable, zero-waste, multi-tier farming model that combines fish culture, poultry production, and horticulture on the same farm.

This project addresses multiple priorities of PMMSY:

- Sustainable fish production: Reduces dependence on fish imports from other states, ensuring fresh, local supply.
- Rural employment: Creation of permanent and seasonal jobs for local communities.
- Nutritional security: Provides affordable protein and micronutrient-rich foods.
- Environmental sustainability: Implements circular economy principles, minimizing waste and chemical use.

Project Highlights:

- Farm Area: 50 hectares (including pond area, poultry sheds on embankments, horticulture plots).
- Fish Culture: Indian Major Carps (Rohu, Catla, Mrigal) and Exotic Carps (Grass Carp) at 8,000 fingerlings per hectare stocking density.
- Poultry Integration: Kuroiler/Banaraja breeds on pond embankments; manure directly fertilizes ponds.
- Horticulture: Organic vegetables (Okra, Spinach) and fruits (Banana, Papaya) using nutrient-rich pond water.
- Technology Use: Solar-powered aerators, pond monitoring systems, small-scale feed mill.
- Employment Generation: 30 full-time local workers, plus training for 50 rural youth annually.
- Production Output: 300 tonnes of fish/year, 50,000 eggs/year, 60 tonnes of vegetables & fruits/year.

This model not only improves resource efficiency but also diversifies revenue streams, reducing risks associated with monoculture or single-product farming.

1.2 Unique Selling Proposition (USP)

The proposed farm is unique due to its integrated and circular economy approach:

1. Poultry-Fish Integration:
    - Poultry droppings are used as natural fertilizer in ponds.
    - Stimulates plankton growth, reducing commercial fish feed costs by approximately 35%.
2. Horticulture-Fish Integration:
    - Pond water, enriched with nutrients from fish and poultry waste, is used to irrigate crops.
    - Eliminates chemical fertilizers, producing organic-certified vegetables and fruits.
3. Zero-Waste System:
    - All by-products (fish pond sludge, poultry manure, vegetable residues) are recycled within the farm.
    - Minimizes environmental footprint and ensures sustainability.
4. Revenue Diversification:
    - Multiple income streams: Fish, Poultry (eggs & meat), Horticulture.
    - Stabilizes farm revenue, even if one production cycle is impacted.
5. Innovation & Grant Justification:
    - The project qualifies for higher subsidy support (70%) due to:
        - Innovative Integrated Farming System (fish + poultry + horticulture).
        - Potential for cluster or composite unit designation under PMMSY.
        - Employment generation and skill development for rural youth.

Figure 1. Conceptual Diagram of Integrated Fish-Poultry-Horticulture Model

1.3 Applicant Profile

Promoter: Mr. XYZ

Organization: ABC Aqua Solutions

Experience: 5 years in carp farming and small-scale integrated farming projects

Educational Qualification: B.Sc. Fisheries; ICAR-certified aquaculture training

Legal Status: Proprietorship registered under Maharashtra Shop Act

Land: 50 hectares under lease (Lease agreement attached in Annexure I)

Technical Collaboration:

- Tie-up with College of Fishery Science, Nagpur for technical guidance and periodic monitoring.
- Local agricultural extension support for horticulture and poultry components.

Past Track Record:

- Successfully managed a 10-hectare carp farm producing 60 tonnes/year.
- Conducted small-scale fish-poultry integrated pilot project, reducing feed costs by 30% and increasing productivity by 20%.

This background demonstrates capability, experience, and technical competency to implement a large-scale integrated model successfully.

1.4 Total Project Cost & Funding Pattern

Particulars	Amount (₹ Lakhs)	Percentage
Promoter Contribution	10.00	10%
Bank Loan	20.00	20%
Grant-in-Aid Requested	70.00	70%
Total Project Cost	100.00	100%

Funding Justification:

- Standard PMMSY subsidy is 40–60%. This project requests 70% due to:
    - Innovative, cluster-style integrated farming model.
    - Potential employment generation for 30 locals and skill development for 50 youth.
    - Contribution to food security, income diversification, and environmental sustainability.

- Alignment with PMMSY priorities: Integrated Farming, Zero-Waste, Rural Development.

1.5 Key Outcomes and Impact

Parameter	Target / Year	Remarks
Fish Production	300 Tonnes	Indian & Exotic Carps; local market supply
Poultry Eggs & Meat	50,000 Eggs / 2 Tonnes Meat	Dual-purpose Kuroiler/Banaraja breeds
Horticulture Yield	60 Tonnes Vegetables & Fruits	Organic practices using pond water
Direct Employment	30 Full-time Jobs	Pond managers, laborers, poultry attendants
Skill Development	50 Youth Trained Annually	Training on integrated aquaculture, poultry, and horticulture
Environmental Benefits	Zero-Waste Circular System	Nutrient recycling, reduced chemical use, improved soil & water quality

Figure 2. Integrated Farming Value Chain

Socio-Economic Benefits:

- Provides affordable protein and vegetables for Nashik rural communities.
- Encourages female participation in farm operations and processing units.
- Strengthens local supply chains for fish, poultry, and horticulture products.

Environmental Benefits:

- Reduces chemical fertilizer dependency.
- Minimizes water pollution through controlled effluent treatment and nutrient recycling.
- Promotes sustainable land and water use.

2.0 Applicant Profile & Track Record

2.1 Promoter Details

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