

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)

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1.0 Executive Summary .....	5
1.1 Project Overview .....	5
1.2 Unique Selling Proposition (USP) .....	6
1.3 Applicant Profile .....	6
1.4 Total Project Cost & Funding Pattern .....	7
1.5 Key Outcomes and Impact.....	8
2.0 Applicant Profile & Track Record .....	9
2.1 Promoter Details .....	9
2.2 Legal & Organizational Status.....	10
2.3 Technical Partners & Collaborations .....	11
2.4 Past Projects & Track Record .....	11
2.5 Certifications & Recognitions.....	12
2.6 Key Competencies for PMMSY Success.....	12
3.0 Project Rationale & Objectives.....	14
3.1 Market Analysis .....	14
3.1.1 Fish Market Demand.....	14
3.1.2 Poultry and Horticulture Market Demand.....	14
3.2 The “Integrated Advantage”.....	15
3.2.1 Cost Reduction.....	15
3.2.2 Revenue Diversification.....	15
3.2.3 Environmental & Sustainability Benefits.....	15
3.3 Project Objectives .....	15
3.4 Strategic Alignment with PMMSY .....	16
4.0 Technical Feasibility .....	18
4.1 Site Details .....	18
4.2 Farming Model: The 3-Tier System.....	18
4.3 Infrastructure Requirements.....	19

4.4 Species Selection & Culture Practices .....	19
4.4.1 Fish Species .....	19
4.4.2 Poultry.....	20
4.4.3 Horticulture .....	20
4.5 Water Management & Quality Control .....	20
4.6 Operational Flow & Resource Utilization .....	20
4.7 Technical Viability Summary.....	20
5.0 Financial Viability & Budget .....	22
5.1 Capital Cost Breakdown .....	22
5.2 Operational Economics (Per Year).....	23
5.2.1 Revenue Streams.....	23
5.2.2 Operational Expenses.....	23
5.2.3 Net Revenue / Profit.....	23
5.3 Viability Metrics .....	23
5.4 Financial Assumptions .....	24
5.5 Financial Sustainability & PMMSY Compliance .....	24
6.0 Sustainability & Compliance .....	25
6.1.1 Waste Management .....	25
6.1.2 Water Management .....	25
6.1.3 Biodiversity and Ecosystem Sustainability.....	25
6.2 Biosecurity & Disease Management.....	25
6.3 Socio-Economic Benefits.....	26
6.4 Sustainable Resource Use.....	26
6.5 Compliance with PMMSY Guidelines.....	26
6.6 Long-Term Sustainability Plan .....	27
7.0 Implementation Roadmap .....	28
7.1 Phased Implementation Plan.....	28
7.2 Gantt Chart Representation.....	28
7.3 Critical Success Factors .....	29
7.4 Risk Management & Mitigation .....	29
7.5 Monitoring & Reporting During Implementation.....	29
8.0 Monitoring & Evaluation (KPIs) .....	31
8.1 Production Metrics.....	31
8.2 Water Quality & Environmental KPIs .....	31
8.3 Financial & Operational KPIs.....	31
8.4 Social Impact KPIs .....	32
8.5 Monitoring Tools & Methodology .....	32

8.6 Reporting & Feedback Mechanism.....	32
10.0 List of Annexures .....	34
Annexure I – Detailed Engineering Estimates .....	34
Annexure II – Quotations for Equipment & Inputs .....	34
Annexure III – Laboratory Reports.....	34
Annexure IV – Legal & Financial Documents .....	34
Annexure V – Project Layout & Master Plan .....	34
Annexure VI – Training & Skill Development Plan .....	34
Annexure VII – Photographs / Site Images.....	34
Annexure VIII – PMMSY Guidelines Reference .....	34
Annexure IX – Gantt Chart / Implementation Timeline .....	34

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## 1.0 Executive Summary

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### 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*

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## 1.3 Applicant Profile

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**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.

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**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

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### 2.1 Promoter Details

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