

### 3. Backyard Ornamental fish Rearing unit (Fresh water)

Culture of ornamental fish is one such diversification that involves the culture and propagation of fish and other aquatic organisms for its economic and aesthetic values. Considering the increased popularity of ornamental fish at household level, captive seed production and rearing technology of both domesticated exotic species and indigenous species have been standardized. The main advantages of ornamental fish culture are as follows-

- It is possible to do Ornamental fish culture in a much smaller space than normal food fish culture.
- It is possible to do Ornamental fish culture by investing much smaller capital than that of normal food fish culture.
- It is possible to do Ornamental fish culture using lesser manpower than normally required for food fish culture.
- The flexibility in the business of ornamental fish is enormous when compared with normal pisciculture. It may range from few thousand to multi million. In other word while discussing its scope one may that starting from ground only sky is the limit.

Through this proposed project efforts will be initiated for rearing native ornamental fish as well as exotic ornamental fish which is having good market demand in this region and which breeding technology has already been established in the agro-climatic condition of the State. Various Fisheries Research Institutes has already been demonstrated the breeding technology of these fish species in the farmers level and entrepreneurs are ready to establish the ornamental fish units, which a forward way for enhancing the ornamental fish production in the State. So, this pilot project will create a huge awareness among the different stakeholders specially the women/youth and their SHGs.

#### **Name of Scheme**

“Backyard Ornamental fish Rearing unit (Fresh water)” - Beneficiary Oriented - Enhancement of Production and Productivity Component

#### **Name of the Component**

Backyard Ornamental Fish Rearing Unit

#### **Project Location**

Different districts in the State of WB as detailed in Fund Requirement Table.

#### **Objective**

- To promote production of good quality ornamental fish including indigenous variety in the state.
- To develop the ornamental fish production sector on a large scale by setting up more production unit.

- To encourage women fisher individual folk/SHGs in this sector
- To conserve and propagate native species and other market driven exotic species.
- To create more employment in the rural and sub urban areas of the state.
- To increase Export market by producing good quality indigenous as well as exotic varieties

### **Targeted Species of the Project**

Domesticated exotic species and indigenous species.

### **Expenditure on the scheme**

The estimated project cost of “Backyard Ornamental fish Rearing unit (Fresh water)” for one unit has been worked out as 3.0 lakh as per the PMMSY guidelines.

### **Benefits from Implementation of Plan**

Anticipated outputs generated from this scheme:

- To promote production of good quality ornamental fish including indigenous variety in the state
- Creation of more employment opportunities for women and youth in rural and semi urban areas and thereby increasing their socio-economic status.
- Additional production of ornamental fish of both indigenous and exotic varieties of commercial importance is produced in a year.
- Ornamental fishery has a very bright prospect not only in the domestic market but has tremendous export potential as well

Increased export of freshwater ornamental fish from the state thereby increased foreign exchange for our country.

### **Implementation of Plan**

The proposed scheme “Backyard Ornamental fish Rearing unit (Fresh water)” is a beneficiary-oriented scheme. After the due approval of schemes by DOF, GoI, the schemes will be implemented through District Fisheries Officers by the beneficiary under the technical guidance of Block Fishery Extension Officers (FEO).

### **Subsidy Component**

The total admissible Government Share (Central + State) against the scheme will be limited to:

- 40% of the project cost for general category beneficiaries and
- 60% of the project cost for weaker sections like Scheduled Castes (SCs), Scheduled Tribes(STs) and women.

Beneficiary contribution can either be self-financed or bank loan or both.

### **Eligible Beneficiary**

All Fishers, Fish farmers, Fish workers and Fish vendors, Fisheries Development corporations, Self Help Groups (SHGs)/Joint Liability Groups (JLGs) in fisheries sector,

Fisheries cooperatives, Entrepreneurs and private firms, Fish Farmers Producer Organizations/Companies (FFPO), SCs/STs/Women/Differently abled persons

### Sources of Finance

The estimated project cost of "Backyard Ornamental fish Rearing unit (Fresh water)" has been worked as 3.00 lakh per unit as per PMMSY guidelines.

The total financial outlay of the project has been worked out/estimated to be **Rs 291.408 Lakh**.

### Time line for Project Implementation

Activity	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
Submitting DPR												
Approval of DPR												
Beneficiary selection and approval												
Purchase of unit												
Physical verification												
Release of subsidy												
Assessment and evaluation												

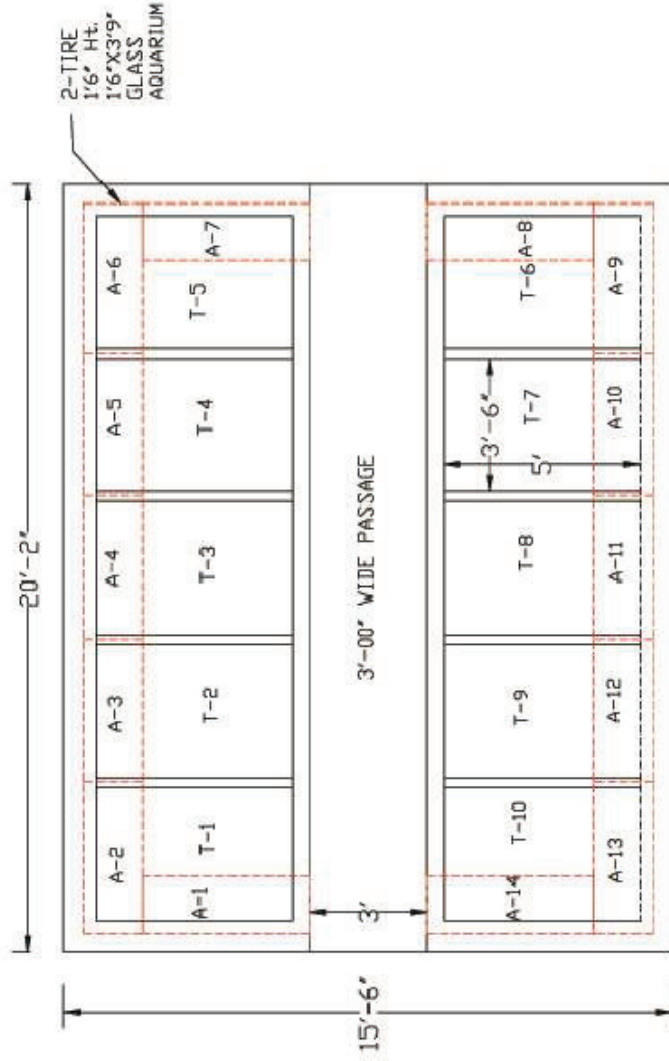
### Scheme for "Backyard Ornamental fish rearing unit (freshwater)"

Unit Area for Scheme: 300 sq.ft.				
Details break up of Scheme:				
A) Capital Cost				
Sl No	Items of Expenditure	Quantity	Rate (in Rs)	Amount (Rs)
1	Tali with thatch topping/ fiber/ agri net roof top supported by beams/ poles)- 28 sq mt/300 sq ft	28	600.00	16800.00
2	Cement tank 10 no (4'x6'x2.5') (1500lit each) plus reservoir and overhead tank (3000 lit) (18000 Litre @ Rs.3.00/ Litre)	18000	3.00	54000.00
3	24 glass tanks (4'x1.5'x1.5') include the aquarium stand as well (6000 Litre @ Rs.6.50/ Litre)	6000	6.50	39000.00
4	Motors & Pump, Water line pipes, hose and its fittings, etc	(LS)		30000.00
5	Wiring Materials, Lightings and its fixtures, electrical thermostat heaters etc	(LS)		20000.00

6	Aeration unit- Air pump/blower, Airline setup, power/ external filter etc Filtration unit - Biological filters, Chemical and Physical filters (UG/ sand-gravel- charcoal etc)	(LS)	25000.00	
7	Oxygen cylinder, Kit for pH & Hardness, chemicals, hand nets, buckets, Mugs, etc	(LS)	20200.00	
<b>Total</b>			<b>205000.00</b>	
<b>B) Recurring expenditure for 4 cycles (3-month approx/cycle)</b>				
Sl No	Items of Expenditure	Quantity	Rate (in Rs)	Amount (Rs)
1	Seed (Av size:1-2 cm )- a) Live bearer - (Guppy/ molly/ Swordtail)- @ Rs.1/pc	16000	1.00	16000.00
2	Seed (Av size:1-2 cm )- b) Gold fish- (Oranda/ dolphin/ Shubunkin etc)- Rs.3/-pc [8000 x 4 cycles]	16000	3.00	48000.00
3	Cost of feed- live feed (tubifex worms, daphnia, etc.), dry feed and raw material for preparing artificial feed	(LS)		16000.00
4	Miscellaneous- Cost of replacement/ repair of operational articles. and any miscellaneous un foreseen item that may be required during rearing period. Fuel/ Electricity	(LS)		15000.00
<b>Total</b>				<b>95000.00</b>
<b>GRAND TOTAL(A + B)</b>				<b>300000.00</b>
<b>C) Economics (for 4 Cycles/ year)</b>				
I	Expected Production: (3-6 cm fish with 90% survival rate): 7200 X 4 cycles			28800 Nos.
II	Income from Sale of Fish (Considering sale of fish @ Avg. Rs. 12.50/Nos.)			360000.00
III	Net Profit [Income - Recurring cost] i.e. Rs. 360000.00- Rs. 95000.00 = Rs. 265000.00			265000.00
<b>D) Funding pattern</b>				
	<b>Type of Beneficiary</b>	<b>Unit Cost (Rs.)</b>	<b>Govt. Assistance (both Central &amp; State Govt.) (Rs.)</b>	<b>Beneficiary Contribution (Rs.)</b>
	General Category	300000.00	120000.00	180000.00
	SC/ ST/ Women	300000.00	180000.00	120000.00

**Note:** The prices of the above-mentioned items are indicative only. The actual prices of the items may vary as per the local marketing conditions. The govt. subsidy will be given to a beneficiary with or without institutional finance. However, for subsidy calculation purposes the amount will be restricted as per the guideline of PMMSY

# MODEL DRAWING FOR BACKYARD ORNAMENTAL FISH REARING UNIT (FRESH WATER)



PLAN

**NOTES:**

1. Not to scale.
2. This is an indicative drawing

### **Fund Requirement**

Total Fund is calculated as per the proposal submitted by the beneficiaries and duly approved by the DLCs. The details have been described in the following Table.

District	No. of Units	No. of Beneficiaries					Total Project Cost (Rs in lakh)	Government Subsidy (Rs in lakh)			Own Contribution / Bank Finance (Rs in lakh)
		SC	ST	Women	Gen	Total		Total	Central Share	State Share	
Howrah	15	1		4	10	15	45.00	21.00	12.60	8.40	24.00
<b>SUB TOTAL</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>10</b>	<b>15</b>	<b>45.00</b>	<b>21.00</b>	<b>12.60</b>	<b>8.40</b>	<b>24.00</b>