

#### **4. Inputs for fresh water Aquaculture including Composite fish culture, Scampi, Pangas, Tilapia etc.**

The prime objective of this plan is to enhance fish production & productivity. The implementation of these schemes will not only increase the fish production & productivity from the existing ponds but also cater the requirement of additional water resources due to the loss of water from the existing water resources through the annual seasonal cycle. However, the development of a sustainable aquaculture industry is particularly challenged by the limited availability of natural resources as well as the impact of the industry on the environment. With these limitations in mind, the development of sustainable aquaculture industry should focus on the conceptualization of systems that despite their high productivity and profitability, utilize fewer resources including water, space, energy and eventually capital, and at the same time has lower impact on the environment. This scheme will also draw the inclination of fish farmers from traditional fishfarming to commercial fish farming. Fish farmers will be able to produce the superior quality of country & foreign Carp fish seed which will be made available to fish farmers through Certified Suppliers at the best price.

##### **Name of Scheme**

**“Inputs for fresh water Aquaculture including Composite fish culture, Scampi, Pangas, Tilapia etc.”- Beneficiary Oriented - Enhancement of Production and Productivity Component**

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

Initial inputs for Composite Fish Culture, Scampi, Pangus and Tilapia.

##### **Project Location**

Different districts in the State of WB.

##### **Objective**

- To increase the inland fish production
- Ensure the availability of Fish fingerling throughout the culture period
- Increase in productivity across the state.
- Livelihood & Employment generation.
- Ensuring Nutritional Security.
- Poverty alleviation.

##### **Expenditure on unit construction & inputs**

The estimated project cost of “Inputs for fresh water Aquaculture including Composite fish culture, Scampi, Pangas, Tilapia etc.” for one hectare has been worked out as lakh as per GOVERNMENTAL guidelines.



**Scheme for "Inputs for Freshwater Aquaculture for Composite Fish Culture" in the newly constructed ponds/tanks**

Unit Area for Scheme: 1 ha		Period of culture : 12 months		
<b>Details break up of Scheme:</b>				
<b>A) Cultural Cost</b>				
Sl No	Items of Expenditure	Quantity	Rate (in Rs)	Amount (Rs)
1	Cost of pond preparation @ Rs. 12000.00/ha	1	12000.00	12000.00
2	Cost of Carp (IMC) Fish seed (10-12 cm, 35-40 nos per kg ) @ 10000 no/ha	10000	5.00	50000.00
3	Cost of lime (Calcium oxide) @500 kg/ha/year	500	14.00	7000.00
4	Cost of inorganic fertiliser SSP @ 300 kg/ha/year	300	10.00	3000.00
5	Supplementary Floating pelleted fish feed (protein >25%, fat-4 ±1 %) [considering natural feed present in the pond]	6000	45.00	270000.00
6	Prophylactics & Medicine	(LS)		4000.00
7	Labour charges with periodical netting and Harvesting Expenses (LS)	(LS)		50000.00
8	Expenditure for Supervising, monitoring, documentation and any other incidental cost	(LS)		4000.00
<b>Total</b>				<b>400000.00</b>
<b>B) Economics:</b>				
I	Expected Production (Considering 80% survival with average body weight 700g with a 12 months culture period)			5600 kg
II	Income from Sale of Fish (Considering sale of fish @ Rs. 120.00/kg)			672000.00
III	Net Profit [Income - Cultural cost] i.e. Rs. 672000.00- Rs. 400000.00 = Rs. 272000.00			272000.00
<b>C) Funding pattern</b>				
	Type of Beneficiary	Unit Cost (Rs.)	Govt. Assistance (both Central & State Govt.) (Rs.)	Beneficiary Contribution (Rs.)
	General Category	400000.00	160000.00	240000.00
	SC/ ST/ Women	400000.00	240000.00	160000.00

**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 the Government.**

**\*\* The unit cost can be modified as per available area of the pond.**

**Scheme for "Inputs for Freshwater Aquaculture for Scampi" in the newly constructed ponds/tanks**

Unit Area for Scheme: 1 ha		Period of culture : 8 months		
<b>Details break up of Scheme:</b>				
<b>A) Cultural Cost</b>				
Sl No	Items of Expenditure	Quantity	Rate (in Rs)	Amount (Rs)
1	Cost of pond preparation @ Rs. 10000.00/ha	1	10000.00	10000.00
2	Scampi seed (min. 1 inch size)	30000	5.00	150000.00
3	Cost of lime (Calcium oxide) @500 kg/ha/year	500	14.00	7000.00
4	Cost of inorganic fertiliser SSP @ 300 kg/ha/year	300	10.00	3000.00
5	Supplementary pelleted feed (protein >30%, fat-4 ±1 %) [considering natural feed present in the pond]	2400	75.00	180000.00
6	Prophylactics & Medicine	(LS)		4000.00
7	Labour charges with periodical netting and Harvesting Expenses (LS)	(LS)		42000.00
8	Expenditure for Supervising, monitoring, documentation and any other incidental cost	(LS)		4000.00
<b>Total</b>				<b>400000.00</b>
<b>B) Economics:</b>				
I	Expected Production (Considering 80% survival with average body weight 70 gm with a 8 months culture period)			1680 kg
II	Income from Sale of Fish (Considering sale of fish @ Rs. 400.00/kg)			672000.00
III	Net Profit [Income - Cultural cost] i.e. Rs. 672000.00- Rs. 400000.00 = Rs. 272000.00			272000.00
<b>C) Funding pattern</b>				
	Type of Beneficiary	Unit Cost (Rs.)	Govt. Assistance (both Central & State Govt.) (Rs.)	Beneficiary Contribution (Rs.)
	General Category	400000.00	160000.00	240000.00
	SC/ ST/ Women	400000.00	240000.00	160000.00

**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 the Government.**

**\*\* The unit cost can be modified as per available area of the pond.**

**Scheme for "Inputs for Freshwater Aquaculture for Tilapia" in the newly constructed ponds/tanks**

Unit Area for Scheme: 1 ha		Period of culture : 8 months		
<b>Details break up of Scheme:</b>				
<b>A) Cultural Cost</b>				
Sl No	Items of Expenditure	Quantity	Rate (in Rs)	Amount (Rs)
1	Cost of pond preparation @ Rs. 9500.00/ha	1	9500.00	9500.00
2	Cost of Tilapia Fish seed (20-25 mm) @ 30000 no/ha	30000	4.00	120000.00
3	Cost of lime (Calcium oxide) @500 kg/ha/year	500	14.00	7000.00
4	Cost of inorganic fertiliser SSP @ 300 kg/ha/year	300	10.00	3000.00
5	Supplementary Floating pelleted fish feed (protein >25%, fat-4 ±1 %) [considering natural feed present in the pond]	5000	45.00	225000.00
6	Prophylactics & Medicine	(LS)		4000.00
7	Labour charges with periodical netting and Harvesting Expenses (LS)	(LS)		27500.00
8	Expenditure for Supervising, monitoring, documentation and any other incidental cost	(LS)		4000.00
<b>Total</b>				<b>400000.00</b>
<b>B) Economics:</b>				
<b>I</b>	Expected Production (Considering 80% survival with average body weight 350gm with a 8 months culture period)			8400 kg
<b>II</b>	Income from Sale of Fish (Considering sale of fish @ Rs. 80.00/kg)			672000.00
<b>III</b>	Net Profit [Income - Cultural cost] i.e. Rs. 672000.00 - Rs. 400000.00 = Rs. 272000.00			272000.00
<b>C) Funding pattern</b>				
	Type of Beneficiary	Unit Cost (Rs.)	Govt. Assistance (both Central & State Govt.) (Rs.)	Beneficiary Contribution (Rs.)
	General Category	400000.00	160000.00	240000.00
	SC/ ST/ Women	400000.00	240000.00	160000.00

**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 the Government.

\*\* The unit cost can be modified as per available area of the pond.

**Scheme for "Inputs for Freshwater Aquaculture for Pangus" in the newly constructed ponds/tanks**

Unit Area for Scheme: 1 ha		Period of culture : 12 months		
<b>Details break up of Scheme:</b>				
<b>A) Cultural Cost</b>				
Sl No	Items of Expenditure	Quantity	Rate (in Rs)	Amount (Rs)
1	Cost of pond preparation @ Rs. 10000.00/ha	1	10000.00	10000.00
2	Cost of Pangus Fish seed (Avg Size 4 inch) @ 12000 no/ha	12000	4.00	48000.00
3	Cost of lime (Calcium oxide) @500 kg/ha/year	500	14.00	7000.00
4	Cost of inorganic fertiliser SSP @ 300 kg/ha/year	300	10.00	3000.00
5	Supplementary Floating pelleted fish feed (protein >25%, fat-4 ±1 %) [considering natural feed present in the pond]	6600	45.00	297000.00
6	Prophylactics & Medicine	(LS)		4000.00
7	Labour charges with periodical netting and Harvesting Expenses (LS)	(LS)		27000.00
8	Expenditure for Supervising, monitoring, documentation and any other incidental cost	(LS)		4000.00
<b>Total</b>				<b>400000.00</b>
<b>B) Economics:</b>				
I	Expected Production (Considering 80% survival with average body weight 900g with a 12 months culture period)			8640 kg
II	Income from Sale of Fish (Considering sale of fish @ Rs. 80.00/kg)			691200.00
III	Net Profit [Income - Cultural cost] i.e. Rs. 691200.00 - Rs. 400000.00 = Rs. 291200.00			291200.00
<b>C) Funding pattern</b>				
	Type of Beneficiary	Unit Cost (Rs.)	Govt. Assistance (both Central & State Govt.) (Rs.)	Beneficiary Contribution (Rs.)
	General Category	400000.00	160000.00	240000.00
	SC/ ST/ Women	400000.00	240000.00	160000.00

**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 the Government.**

\*\* The unit cost can be modified as per available area of the pond.