



**GOVERNMENT OF ODISHA  
FISHERIES & ANIMAL RESOURCES DEVELOPMENT DEPARTMENT**

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**Scheme: Promotion of Intensive Aquaculture through Introduction of Bio-floc Technology during the year 2020-21**

**AIM :**

- Bio-floc based farming system for intensive shrimp and fish farming is a new technology for promotion of intensive fish/ shrimp production in a limited area without significantly increasing the usage of the basic natural resources of water and land.
- Person having small land holding (as small as 150-200 square meter of land) and having either municipal piped water supply or bore well water supply can establish this business with small investment.
- This programme aims to support fish farmers/ young entrepreneurs including migrant farmers affected due to COVID-19 for generation of income and livelihood support.
- 1080 nos. of Bio-floc tanks will be developed under this programme with subsidy support under state plan scheme during 2020-21.

**SCHEME OBJECTIVE :**

- To promote high-yielding intensive fish farming in small area using Bio-floc technology.
- To encourage farmers, entrepreneurs and unemployed youth in to income generation through small-scale Bio-floc farming system.

**SCHEME OUTLAY & SUBSIDY :**

- Total outlay under the said programme is Rs.310.00 lakh.
- The unit cost for installation of a Bio-floc unit of 2 tanks – Rs.1.50 lakh, 4 tanks – Rs.3.00 lakh and 6 tanks – Rs.4.00 lakh with 40% subsidy assistance to General and 60% assistance to SC/ ST/ woman beneficiaries. Subsidy support is only for infrastructure costs and doesn't include any operational costs.

**ELIGIBILITY CRITERIA :**

- Interested Fresh water Fish and brackish water shrimp farmers (grow-out tanks, nursery and seed tanks); fish and shrimp hatchery operators; private entrepreneurs are eligible to avail the assistance under this State Plan Scheme.
- Priority will be given to unemployed educated youths.
- Since Bio-floc farming involves advance technology, the beneficiary has to undergo specialized training on Bio-floc before operation of the unit.

- The support will be in the form of back ended assistance for installation of Bio-floc system inside a shed with PVC/ tarpaulin tanks, water supply, drainage and aeration units.
- The eligible brackish water shrimp farms/ nursery and seed tanks/ hatchery beneficiaries must have concerned license from Coastal Aquaculture Authority.
- The assistance will be available to the above categories of beneficiaries with a minimum of 2 tanks and a maximum of 6 tanks.

#### STEPS INVOLVED IN CITIZEN SUBMITTING APPLICATION :

- The scheme shall be advertised through the Departmental website, newspapers and wall posters in the District and Block Fisheries Offices across the state. The Director of Fisheries shall undertake wide publicity of the scheme.
- Interested farmers (grow-out tanks, nursery and seed tanks); fish and shrimp hatchery operators; private entrepreneurs; unemployed youth shall apply in the prescribed format as specified in **Annexure-I**.
- The filled in application forms along with following documents should be submitted to the respective District Fisheries Officers through hard copy or through email. The applications can also be submitted online to Directorate of Fisheries, Odisha, Cuttack through email: **director.odifish.inland@gmail.com**.
  - Identification Proof (Aadhaar Card)
  - Land Document (Photocopy)
  - If Bank loan, Consent Letter from Bank
  - Bank A/C No. with IFS Code for DBT (Photocopy)

#### PROCESS FOR PROVIDING SUBSIDY :

- The selection of beneficiaries shall be made in a transparent manner by the District Fisheries Officer.
- Identification of beneficiaries shall be made with Aadhaar linking at the time of submission of application. The DFO must ensure Aadhaar number of the beneficiary and the land records to check multiple benefit.
- While selecting beneficiaries preference should be given to Women SHGs, migrant workers and unemployed youth for this scheme.
- After thorough checking, the DFOs will forward on receipt of the applications to the concerned AFOs for necessary site inspection.
- The initial geo-tagged photographs of the site/ fish farm along with the beneficiary and field verification report shall be prepared by the AFO and submitted to the DFO. The AFO should ensure that the project proposed by the beneficiary is completely new.
- Each beneficiary will select two persons including himself/ herself for undergoing training on Bio-floc technology and the list (trainee) shall be submitted to the DFO.

- List of such trainees shall be submitted to the Directorate of Fisheries by the DFO concerned before issue of **Go Ahead** to the beneficiary.
- Directorate of Fisheries will organise the training on Bio-floc technology for the beneficiaries nominated by the DFOs at the Zonal Level. (Cost of the training shall be met out of the IEC component of the budget provision)
- The DFO shall issue a **Go Ahead** letter to the selected beneficiaries to take up the Bio-floc farm unit installation based on the feasibility report of the AFO.
- The District Fisheries Officer should co-ordinate with Lead District Manager for bank loan to the beneficiaries as beneficiary has to invest up to 60% of the cost of the unit.
- The District Fisheries Officer must ensure that the beneficiary directly purchase items for installation of Bio-floc farm unit from genuine firms with GST number. Only GST bills of beneficiaries will be accepted by the DFO for release of subsidy.
- Beneficiaries shall install the Bio-floc farm unit and complete the stocking of fish/ shrimp seed. The beneficiary will be eligible for back ended subsidy only after stocking of fish/ shrimp seed in the newly installed Bio-floc tank.
- Upon completion of the unit the beneficiary will intimate the concerned AFO.
- A District Level Inspection Team (DLIT) comprising of the following members shall undertake joint field inspection of the site and keep record.
  - District Fisheries Officer
  - Assistant Fisheries Officer/ SFTA/ JFTA I/C of the Block
  - Panchayat Extension Officer
- Only the items mentioned in the unit cost (tarpaulin/ PVC/ Poly liner circular tanks, blower, water pump, genset and shed) are eligible under subsidy upon submission of actual GST bills for those items.
- Geo-tagged post- installation photographs of the bio-floc units along with the beneficiary will be taken by the District Level Inspection Team (DLIT) upon completion of the installation and stocking.
- The DFO shall release the subsidy to the beneficiaries through DBT only on the eligible items in the Bio floc units after proper verification of the GST bills/ receipts.

#### **SOURCE OF FUNDS & CONTRIBUTION :**

- State Plan
- The project proposal of Rs.310.00 lakh is envisaged for establishment of 1080 Bio-floc tanks for intensive pisciculture during the year 2020-21 in all 30 districts of Odisha.
- Subsidy of 40% for general category and 60% for SC/ ST/ Woman beneficiary for the scheme will be followed.

**UNIT COST :**

<b>Bio-floc Technology for Shrimp and Fish Farming for 2 Tanks as one unit</b>			
<b>Sl. No.</b>	<b>Items</b>	<b>No. of Units</b>	<b>Total Cost (Rs.)</b>
1	Bio-floc Tank: PVC/ Tarpaulin/ Polyliner Tank with frames, solid base, drain pipe and fish net covering (4m. dia X 1.3m. depth tank = 12,500 liter capacity each) for two tanks	2	40,000
2	Electric Water Pump (0.5 HP)	1	4,000
3	Ring Blower/ High Pressure Air Pump (100-120 W, single phase AC) 2 nos. Alternately one blower will run 24 X 7	2	20,000
4	Electronic weighing balance	1	1,000
5	UPS unit with Inverter (1100 VA) and battery (150 Ah) or Portable Genset (1 Kilo Watt)	1	25,000
6	Green house shed for 1 unit consisting of 2 tanks (GI Frames covered with shade net) / Floor area: 50 m <sup>2</sup> (10m. length x 5m. width) / Height: 3 m	1	60,000
<b>GRAND TOTAL</b>			<b>1,50,000</b>

- **Unit cost for Bio-floc Technology for Shrimp and Fish Farming in 4 tanks as one unit** : **Rs.3.00 lakh**
- **Unit cost for Bio-floc Technology for Shrimp and Fish Farming in 6 tanks as one unit** : **Rs.4.00 lakh**

**FINANCIAL ASSISTANCE THROUGH DBT :**

- Financial assistance @ 40% for general category & 60% for SC/ ST & Women beneficiary through DBT.
- Items from Sl.No.2 to 6 are optional. However, the beneficiary shall have to procure the Bio-floc tank at Sl.No.1 which is mandatory.

**SUPPORT FROM THE DEPARTMENT :**

- Training of farmers will be organized at Regional/ District/ Block level
- Department will provide technical support form preparation of scheme to till successful harvest of crop.
- The concerned AFO of the block will guide the farmers in field and will give lay out for installation of Bio-floc tanks and provide all technical support for pisciculture.
- Assistance in marketing of fish.

**OUTPUT :**

- Promotion of new Technology in the State
- Livelihood support to 540 unemployed youths/ fish farmers
- Increase in Productivity of 300kg./ Tank in BFT

**DOCUMENTS REQUIRED:**

- Identification Proof (Aadhaar Card)
- Land Document (Photocopy)
- If Bank Loan, consent letter from Bank
- Bank A/C No. with IFS Code for DBT (Photocopy)
- Self-declaration.

**DISTRICT-WISE TARGET FOR DEVELOPMENT OF BIOFLOC TANKS FOR THE YEAR 2020-21 :**

<b>Sl.No.</b>	<b>Name of the District</b>	<b>Target (No. of Bio-floc Tanks)</b>
01	Cuttack	144
02	Jajpur	12
03	Jagatsinghpur	60
04	Kendrapada	60
05	Puri	18
06	Khordha	136
07	Nayagarh	60
08	Balasore	60
09	Bhadrak	40
10	Mayurbhanj	60
11	Keonjhar	20
12	Sundargarh	20
13	Angul	20
14	Dhenkanal	60
15	Deogarh	20
16	Sambalpur	40
17	Bargarh	20
18	Jharsuguda	10
19	Bolangir	16
20	Sonepur	16
21	Boudh	16
22	Ganjam	50
23	Gajapati	30
24	Kandhamal	16
25	Koraput	16
26	Malkangiri	20
27	Nawarangpur	10
28	Kalahandi	10
29	Rayagada	10
30	Nuapada	10
<b>TOTAL</b>		<b>1080</b>

Passport  
Size Photo

(Self  
Attested)

**Annexure-I**

**Application Form**

1. Name of the Applicant :: .....
2. Name of the Farm / Hatchery :: .....
3. Address :
  - a) Plot No. : .....
  - b) Khata No. : .....
  - c) Village : .....
  - d) G.P. : .....
  - e) Block : .....
  - f) District : .....
4. CAA License No. for brackish water farm / shrimp hatchery :: .....
5. Mobile Number :: .....
6. Category (Gen/SC/ST/OBC) :: .....
7. Male / Female :: .....
8. Age :: .....
9. Educational Qualification :: .....
10. Employed / Unemployed :: .....
11. Whether supported under any Govt. Schemes during last 2 years?  
If yes, which scheme? :: .....
12. Identification Proof (Aadhaar Card)  
(Enclose a Photocopy of the Aadhaar Card)
13. Bank Finance/ Self Finance :: .....
14. Banking Details :
  - a) Name of the Account :: .....
  - b) Account No. :: .....
  - c) IFS Code :: .....
  - d) Name of the Bank :: .....
  - e) Branch Name :: .....

(Enclose a Photograph of the first page of the Bank Passbook)

15. Self Declaration:

I do hereby declare that the above facts are true to the best of my knowledge and I am willing to avail the financial assistance under the scheme on: Bio-floc Technology for Fish and Shrimp Farming in Odisha” and utilise the Government assistance for the said purpose.

**Recommending Officer (AFO)**

**Signature of the Applicant**