

**GUIDELINE FOR THE STATE SECTOR UMBRELLA SCHEME "MMKY-  
ASSISTANCE TO NETWORK OF FISH SEED GROWERS UNDER EARLY BREEDING  
PROGRAMME" FOR THE FY 2023-24**

---

**1. BACKGROUND:**

**Status of supply and demand of fish and fish seed in Odisha:**

Government of Odisha envisages to achieve self-sufficiency in fresh water fish production over the next few years. For this to happen, both fish production, productivity and quality fish seed production in the state has to significantly improve. Over last 5 years, freshwater fish production has increased by a CAGR of 8.03% to reach a production of 6.90 lakh tons in 2022-23. This kind of growth has been achieved due to increase in farm area and crop intensification promoted by the Government and due to the strong involvement and contributions of farmers and entrepreneurs.

The major bottleneck to maintain this growth momentum to achieve sustainable fish production in the state is shortage of quality fish seed (spawn, fry and fingerling) in the state. Therefore, farmers depend on imported fish seed from neighbouring states. The over-dependency on imported fish seed is a major hurdle for sustainable increase in fish production of the state. As per the gap analysis in the "Odisha Master Plan for Fish Seed Production", the fish seed demand in 2024-25 will be around 1,282 Cr spawn, 385 Cr fry and 192 Cr. fingerlings. When compared to the present capacity (the baseline year 2018-19), there will be an annual shortage of 894 Cr spawn, 295 Cr fry and 109 Cr fingerling in 2024-25. Accordingly, there is a need to systematically ramp up its hatchery, nursery and seed production infrastructure both in the private and public sector on a war footing basis to meet an additional annual demand of 894 Cr spawn, 295 Cr fry and 179 Cr. fingerling by 2024-25.

**Need for establishment of block-level network of private fingerling growers:**

Fisheries & ARD Department has already taken actions to increase the hatchery fish spawn production from 28 Government hatcheries and 122 private hatcheries in the state through various programs and schemes. Four mega Government hatcheries at Kausalyaganga, Bhanjanagar, Saramanga and Chipilima and 37 Government fish seed farms are under upgradation. Further, 60 nos. of private fish hatcheries have enrolled for scheme for increased spawn production through early breeding technology. In addition to upgradation of existing Government and private hatcheries, 32 new fish hatcheries are under construction across the state under various schemes. These Government and private hatcheries will have capacity of 200 crore spawn and 900 crore spawn, respectively, by 2022-23, especially through early breeding technology.

***A sizable quantity of the spawn produced in these Government and private hatcheries will be during the early breeding season spanning from March to June. Hence, in order to timely utilize the early bred spawn produced from the hatcheries, it is important to establish network of seed growers, spread across various blocks and near fish farming clusters. These private seed growers should have perennial fish ponds during the early breeding season from March to June. This will enable availability of quality fish fingerlings to fish farmers during start of the monsoon season.***

Accordingly, fish farmers and entrepreneurs having perennial ponds will be encouraged to undertake fish fingerling production by procuring fish spawn/ fry and rearing it to fingerling size, during the period March to June. Interested farmers will be trained on the production of normal and genetically improved varieties of advanced IMC fingerlings (Jayanti Rohu, Improved Catla, Amur Common Carp etc) using BMPs (Better Management Practices). Backward and forward linkages along the value chain will be provided to the fingerling rearing farmers for sourcing quality spawn/fry from hatcheries and selling of fingerling to grow-out farmers. The seed rearing farmers shall buy quality



carp spawn from Government/OPDC/ private fish seed hatcheries accredited and certified by Directorate of Fisheries and grow them to fry and advanced fingerling size (>100 mm) in 3-4 months of seed rearing cycle. The fish farmers, Women SHGs, Primary Fishermen Cooperative Societies and other entrepreneurs in the block will be provided with the list of accredited seed growers in the block to facilitate the timely sale of fry and fingerlings.

## 2. OBJECTIVES

- i. To increase the quality fish fingerling availability throughout the state during onset of the monsoon season.
- ii. To encourage establishment of more fish seed rearing units by existing farmers, WSHGs, PFCS and private entrepreneurs and enterprises/ institution across the state.
- iii. All categories of tanks including Bio-floc tanks, reservoir captive nurseries etc. can be utilized for seed production.
- iv. To produce fry and advanced fingerlings to supply to local grow-out farmers and for reservoir stocking within the same block or district.
- v. To contribute for achieving self-sufficiency in fish seed production in the state.
- vi. To provide income and job opportunity to farmers and individuals in the State.

## 3. AREA OF OPERATION

The scheme shall be implemented in all 30 Districts of the State by the Directorate of Fisheries through the District Fisheries Officers and their field functionaries under the supervision of Zonal Deputy Director of Fisheries. This shall also be supervised and cross-checked by the officers of the Directorate of Fisheries, Odisha, Cuttack.

## 4. ELIGIBILITY AND SELECTION OF BENEFICIARIES

- i. Individuals, fish farmers, WSHGs, **PFCS**, private entrepreneurs and **enterprises/ institution** having a minimum of 0.25 Acre (0.1 Ha) tank suitable for rearing fish seed are eligible to avail the assistance under this scheme. **All categories of tanks including Biofloc-tanks, Reservoir captive nursery etc can be utilized for seed production.**
- ii. The scheme will support maximum area of **5 Acres (2.0 Ha.)** of tank per applicant **or 25 bio-floc tanks having 375 Cubic meter water area per beneficiary.**
- iii. Biofloc beneficiaries who have availed subsidy under PMMSY and MMKY which includes subsidy under input cost shall not be eligible under this scheme.
- iv. The support will be in the form of input assistance for raising fish spawn to fry and fry to fingerling during the early breeding period.
- v. The spawn / fry will have to be procured and stocked by the beneficiaries during the period from March to June.
- vi. The spawn/ fry shall be procured mandatorily from Government/OPDC fish hatcheries or from registered private hatcheries which were supported by the Directorate for Fisheries Early breeding under State plan, OIIPCRA and PMMSY.
- vii. Government assistance will be given one time for fish seed rearing limited to single crop cycle/year for a given beneficiary.
- viii. All the applicants to be registered with the DFOs for accreditation and certification for private fish seed growing.
- ix. The applicant should have his own perennial tank in own land.(In case of Joint property and property in the name of ancestors the affidavit in the name of applicant may be produced, sworn in before Executive Magistrate. The affidavit should contain declaration/consent by other shareholders of the land, to take up the project by the applicant) OR leased tank with minimum of 05(five) years lease agreement made before Executive Magistrate which is suitable for rearing fish seed OR posses Bio-floc tanks for taking up seed rearing.
- x. The applicant must be a resident of Odisha and possess identity and residential proof including Aadhaar Card.
- xi. He/ she must have bank account in his/ her name.

- xii. The beneficiary who have availed subsidy earlier for seed rearing program under any other scheme for less than 5.00 Ac. He/ She shall also eligible for availing additional subsidy for balance area upto maximum 5 acre and also for Bio-floc tanks. (Ex-if a person availed benefit under the scheme for 1 Acre, she/he can avail assistance for balance 04 acres.) and can avail assistance in biofloc upto financial limit of 5 Acres (Rs.3.00 Lakh) only as per unit cost for biofloc tank.
- xiii. While availing subsidy, beneficiary family will be considered instead of individual member of family. One beneficiary family should not be provided with multiple benefits under one particular scheme. A family will not be eligible for subsidy under the same scheme if any of its members has got subsidy during last three years.

#### 5. UNIT COST AND SUBSIDY ASSISTANCE

Sl. No.	Item	Unit Cost per Acre (Rs. in Lakhs)	Government Assistance per Acre (Rs.in Lakhs)	
			General (40%)	SC/ST/Women/Transgender/ PWD (60%)
1	Input cost for one crop cycle of fish fry/fingerling production (spawn, fry, feed, bio-security bird fence net, seed harvest drag net etc) in tanks/ ponds.	1.00	0.40	0.60

#### A. Earthen Tank

Detailed Unit Cost per 1 Acre pond (For production of fry and fingerlings in 3-4 month seed rearing cycle)						
Sl. No.	Items	Units	Unit Cost (Rs.)	Total Cost (Rs.)	Subsidy for General @ 40% (Rs.)	Subsidy for SC/ST/Women/Transgender/ PWD @ 60% (Rs.)
1	Spawn or Fry	30 Lakh Spawn / 1.50 Lakh Fry	30,000	30,000	12,000	18,000
2	Powder / Pellet Feed	600 kg	60	36,000	14,400	21,600
3	Bio-security Bird fencing net OR (Manuring, liming, vit-min Mix, Probiotics etc. other items for plankton production)	1 lump sum (Optional)	16,000	16,000	6,400	9,600
4	Seed Harvest drag net OR (Oxygen cylinder and accessories with packing materials)	1 lump sum (Optional)	18,000	18,000	7,200	10,800
	<b>TOTAL</b>			<b>1,00,000</b>	<b>40,000</b>	<b>60,000</b>

NB: Inputs to be utilised as per field requirement and pond condition keeping seed and feed as mandatory components



**B. Bio-floc tank:****Detailed Unit Cost for rearing of fish seed in Bio-floc Tanks****Bio-floc Unit (2 Tanks, 15000 lt capacity each) per breeding season (4 Crop cycles)**

Sl. No.	Item	Units	Unit Cost (Rs)	Total Cost (Rs.)
1	Biofloc inoculum preparation (Probiotics, jaggery etc.)	2 Tanks / 4 crops	1,000/Crop	4,000
2	IMC mixed carp spawns (6-7 mm size @ 1,00,000 nos/tank/cycle)	8,00,000 Nos.	1000/ lakh	8,000
3	Feed (40/5) @ 25kg/lakh spawn (100kg/tank)	200 kg	60	12,000
4	Electricity / fuel (8 units/day X 120 Days X 6 Rs. per unit)	1 Lumpsum	8,000	8,000
5	Labour, Medicine, Treatment and Miscellaneous cost	1 Lumpsum	8,000	8,000
A	<b>Total Production Cost</b>			<b>40,000</b>
B	<b>Fry sale value @50% survival</b>	4,00,000	200/ thousand	<b>80,000</b>
	<b>Total profit from 02 tanks/ 04 crops</b>	<b>(B-A)</b>		<b>40,000</b>

**NB: Inputs to be utilised as per field requirement and pond condition keeping seed and feed as mandatory components**

**NB:-** Accordingly the total cost of production for rearing of fish seed in 04 Bio-floc tanks and 06 Bio-floc tanks will be Rs.80,000/- & Rs.1,20,000/- respectively and so on up to a limit of Rs. 5.00 lakh equivalent to 25 tanks(375 cubic meter) .

- 40% subsidy assistance shall be provided to General Category and 60% to SC/ ST/ Woman/Transgender/PWD Categories of beneficiaries.
- For differently abled person, the certificate of disability issued by certifying authority/ competent authority indicating 40% or more disability as per the Rights of persons with Disabilities Act,2016 will be accepted for PWD category) /Transgender. (The certificate of identity as transgender person issued by District Magistrate as per "the transgender person protection of rights act, 2019 will be accepted for transgender category.
- In case, Government in F & ARD Department enhance the percentage of subsidy, that shall be applicable for those beneficiaries who have received go -ahead letter during the FY 2023-24.**
- The beneficiary shall procure the fish spawn/fry from Government/ OPDC fish hatcheries or from registered private hatcheries which were supported by the Directorate for Fisheries under State plan, OIIPCR and PMMSY.
- The subsidy shall be released basing on the actual water area of the rearing tank/ Bio floc tanks and proportionate spawn stocking by the fish seed grower as per the above table.
- Beneficiaries shall procure the fish feed, bio-security bird fencing net and seed harvest drag net from empanelled vendors or local market and submit the GST bills/receipts to the DFO for release of subsidy after completion of one cycle of fish seed production and after verification of seed rearing farm and GST bills/receipts by the District level Committee.
- The assistance shall be limited to 5.00 Ac/25 tanks(375 cubic meter. water spread area per beneficiary.

**6. IMPLEMENTATION PROCEDURE**

- The scheme shall be advertised through the Departmental website, newspapers and wall posters in the District and Block Fisheries Offices across the state. Director of Fisheries shall undertake the wide publicity of scheme.
- The selection of beneficiaries shall be made in transparent manner by the **District Fisheries Officer.**



- iii. Interested fish seed grower shall apply to the concerned DFOs through Asst. Fisheries Officer in the prescribed format (**Annexure-I**).
- iv. Upon receipt of the applications, the DFO will arrange (within 7 days) a site inspection of the fish seed farm by the concerned AFO. The AFO shall assess the suitability of the fish seed nursery/ rearing pond and capture geo-tagged photographs along with the beneficiary.
- v. Upon receipt of the applications, the DFO will arrange (within 7 days) a site inspection of the fish seed farm by the concerned AFO. The AFO shall assess the suitability of the fish seed nursery/ rearing pond and take geo-tagged photographs along with the beneficiary.
- vi. The DFO shall issue a Go-ahead letter to the selected beneficiaries to take up rearing of spawn/fry.
- vii. The beneficiary shall install the bio-security bird fence net around the fish seed tank.
- viii. Thereafter, the beneficiary shall procure the fish spawn/ fry from Government/ OPDC fish hatcheries or from registered private hatcheries which were supported by the Directorate for Fisheries under State plan, OIIPCRA and PMMSY
- ix. The AFO-in-charge of the block shall be present at the farm location at the time of stocking of the spawn/ fry and take geo-tagged photographs and certify the stocking.
- x. The AFO shall measure the quantity of the spawn through perforated spawn measuring cup (180ml for 1lakh spawn). The SOP for pre-stocking management, acclimatisation, assessment of quantity of spawn, feed management will be given by the Directorate of Fisheries.
- xi. The spawn/fry shall be reared by the fish seed grower with fish larva feed/ Starter in powder form/ pellet feed supplied by local fish feed supplier having valid GSTIN empanelled by Directorate of Fisheries through EOI.
- xii. A Block Level Inspection Team (BLIT) comprising of the following members shall undertake joint field inspection of the site when the fish seed has reached the fingerling stage and submit field verification report in Annexure II
  - a. Assistant Fisheries Officer
  - b. SFTA/ JFTA
- xiii. Geo-tagged photographs of the Fish seed rearing tank along with the beneficiary will be taken by the Block Level Inspection Team (BLIT) at the time of the sampling of the fish seed stock raised under the programme. .
- xiv. The DFO shall release the subsidy to the beneficiaries through DBT/ RTGS/ NEFT on the eligible items under the scheme after proper verification of the bills/ receipts and within 30 days of submission of bills and receipts by the beneficiary to DFO through AFO.
- xv. Beneficiary shall procure all required inputs from local fish feed supplier having valid GSTIN no. with empanelled brands (not supplier) by Directorate of Fisheries through EOI.-
- xvi. Directorate of Fisheries to empanel the brands of feed not the suppliers of feed brands to allow the beneficiaries to purchase the feed from local GSTN registered suppliers
- xvii. The respective DFO shall maintain all relevant records on spawn stocking, inspection reports and geo-tagged photographs of fish seed rearing tank with fish seed along with the beneficiary assisted under the scheme.
- xviii. A complete digitalised database shall be uploaded by the DFO to the DSS portal.
- xix. The DFO shall submit a monthly progress report on the implementation of the Scheme to the Directorate of Fisheries, Odisha, Cuttack in the format enclosed at **Annexure-III**.
- xx. The district-wise physical and financial target for Input Assistance under the scheme will be fixed by the Directorate of Fisheries according to their potentiality.



- xxi. District official can enhance it up to 25% of their allocated target and district officials are free to reallocate block targets as per demand (Lt. 883/FARD dt 21.1.23).
- xxii. The AFOs /DFOs should facilitate credit linkage from banks to the beneficiary for availing loans as per the requirement of the beneficiary in Bank Finance case only.
- xxiii. DFOs to assess the progress of each projects after a period of three months from the date of issue of the Go ahead then issue one month notice for immediate initiation of the project if not yet started. After one month of the notice the same may be cancelled if no progress is observed. DFOs are allowed to review the reasons of non-initiation from case to case basis with justified reasons (Except bank finance case).

## 7. SOURCE OF FUNDING

This shall be implemented through State Plan funding during 2023-24 onwards.

## 8. MODE OF FINANCING

The Scheme to be implemented either through bank finance or self-financing.

## 9. TRAINING AND SKILL DEVELOPMENT OF BENEFICIARIES

To generate awareness, dissemination of seed rearing technology and to attract the interested stakeholders on the benefit of the scheme, adequate training and awareness programme will be conducted at block and district levels by DFOs and AFOs.

## 10. PROJECT MANAGEMENT, MONITORING AND SUPERVISION

### 10.1 District level Monitoring

The District Fisheries Officers along with his/her team of officers shall regularly supervise the scheme implementation including progress of selection of beneficiary, installation of units, stocking of fish seed, training and capacity building of the beneficiaries, release of subsidy etc.

### 10.2 State Level Monitoring

A State Level Monitoring Committee will be constituted at Directorate of Fisheries, Odisha under the Chairmanship of the Director of Fisheries, Odisha. The committee members are:

- Director of Fisheries (Chairman)
- Additional Director of Fisheries (Technical)
- Joint Director of Fisheries (Inland)
- Joint Director of Fisheries (Planning and Training)
- Deputy Director of Fisheries (Inland)

The Monitoring Committee shall meet once in a month to monitor and review the progress of the scheme implementation. The committee shall review the progress on scheme made by the DFOs and suggest necessary guidance and advice.

## 11. TIMELINE FOR PROJECT IMPLEMENTATION

Items	Timeline during 2022-2023							
	Jan-Feb	Mar	Apr	May	June	July	Aug	Sep
Selection of eligible Beneficiaries								
Training								
Pond preparation and installation of bird fencing net procured from OPDC								
Spawn procurement from Govt./OPDC hatchery and stocking								
Growing the seed with proper feeding and water management								
Harvesting the seed and marketing								
Release of final subsidy to banks/beneficiary account								

**APPLICATION FORM FOR MMKY - ASSISTANCE TO NETWORK OF FISH SEED GROWERS UNDER EARLY BREEDING PROGRAMME**

- 1) Name of the Applicant:
- 2) Address
  - a. Village.....
  - b. G.P.....
  - c. Block.....
  - d. District.....
- 3) Mobile Number(Aadhaar link Mandatory):.....
- 4) Category(Put tick mark) : (Gen/ SC/ ST/ Transgender/ PWD)
- 5) Male/Female : .....
- 6) Age : .....
- 7) Educational Qualification : .....
- 8) Whether supported under similar Govt. Schemes during last 2 years? (Yes/No)  
If yes, Name of scheme : .....
- 9) Identification Proof (Aadhaar Card) : .....
- 10) WSA (Ac.) of Fish seed rearing farm in acre to be taken up: .....Acre
- 11) ROR details: a. Plot No.....b. Khata No.....c. Area.....
- 12) Number of Bio-Floc tanks .....Nos.
- 13) Bank Finance/ Self Finance: .....
- 14) Banking Details:
  - a. Name of the Account holder: .....
  - b. Account no. : .....
  - c. IFSC No. : .....
  - d. Name of the Bank : .....
  - e. Branch name : .....

Passport Size  
Photo

(Self Attested)

**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 State Plan Scheme "Assistance to network of fish seed growers under early breeding Programme (MMKY)" and utilise the Government assistance for the said purpose.

I do hereby further declare that in case of any complain received from any party on dispute of land the subsidy amount will be refunded to Government. (Strikeout if not applicable)

**Recommending Officer (AFO)**

**Signature of the Applicant**

**Check List of documents to be submitted along with the application form:**

1. Filled in application form ☐
2. Photo copy of Aadhaar Card ☐
3. Photo copy of First page of Bank Passbook ☐
4. Photo copy of RoR of the land of the existing tank ☐
5. Affidavit made before Executive Magistrate for a minimum period of 5 years (In case of joint property/lease tank) ☐
6. In case of Bank finance, consent letter of Bank to provide loan. ☐
7. In case of self-finance a self-declaration for investing own fund. ☐
8. Caste Certificate/PWD certificate/ Transgender certificate. ☐

*lh*



**Field Verification Report by Block Level Inspection Team**

We do hereby certify that the following applicants have been physically verified by us and found eligible for receiving financial assistance under the state plan scheme **"MMKY-Input Assistance Fish Seed Grower"**. The information provided by the applicants in their application form found to be correct.

<b>Sl. No.</b>	<b>Name of the Applicant</b>	<b>Block and District of the Applicant</b>	<b>Water Spread Area of Fish Seed Rearing Tank (Ha)</b>	<b>Quantity of Spawn to be Stocked (In Lakh)</b>

**JFTA/SFTA****Assistant Fisheries Officer**  




**Monthly District-level Progress Report Format****District:****Date:**

Sl. No.	No. of Applications received	Total water area of Fish Seed Rearing tanks (Ha)	No. of applications verified by AFO	No. of Go-ahead letter Issued by DFO	Subsidy entitlement to beneficiaries (Rs.)	No. of beneficiaries completed the Spawn stocking	Water Area of the Fish seed rearing tanks where stocking fish seed completed	Quantity of Spawn Stocked (In Lakh)	No. of beneficiaries received assistance	Assistance disbursed to beneficiaries (Rs.)

