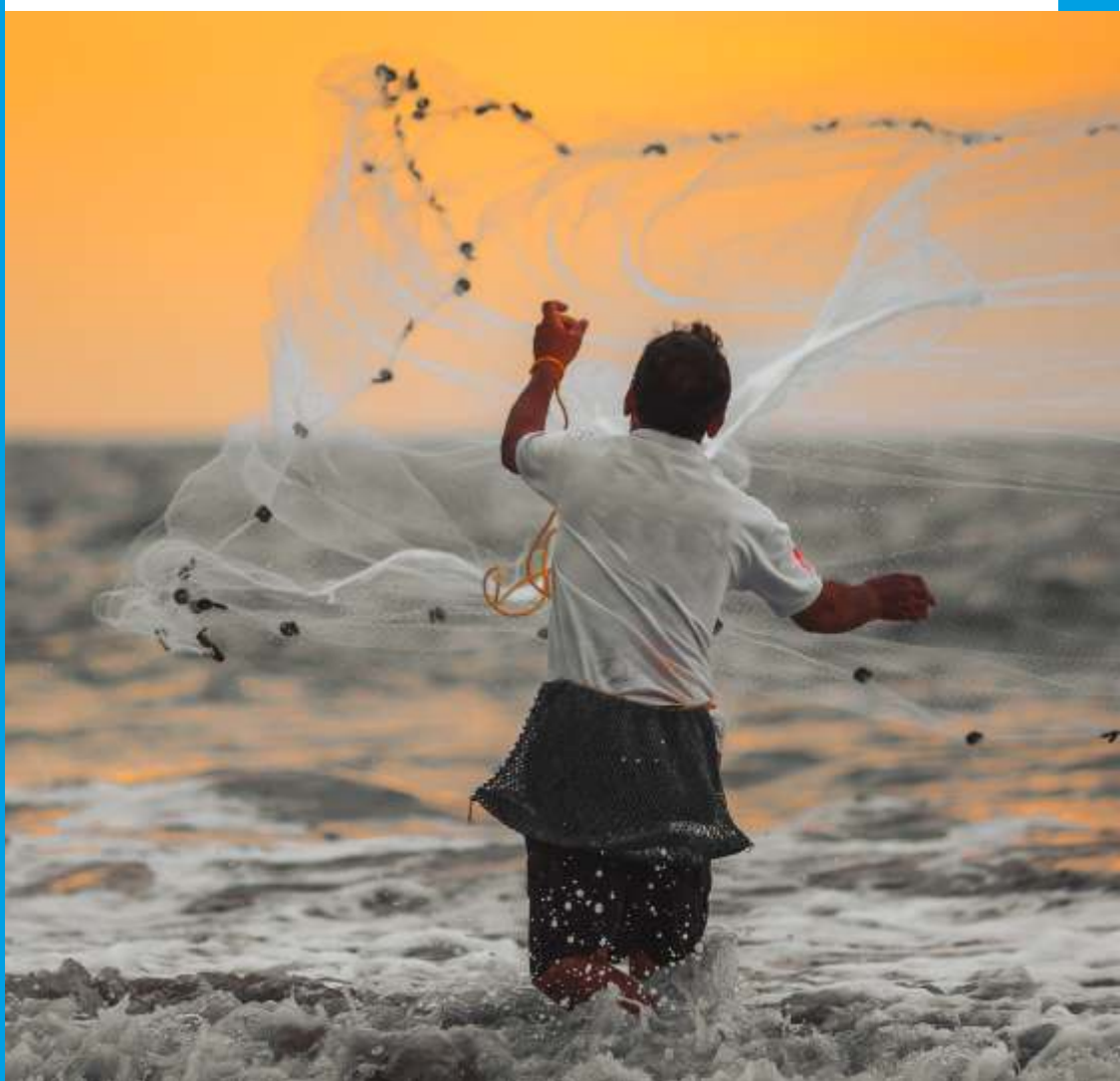




# Neeli Kranti Ke Saath Arth Kranti Transforming Fisheries

## Pradhan Mantri Matsya Sampada Yojana



**Government of India**  
**Ministry of Fisheries, Animal Husbandry & Dairying**  
**Department of Fisheries**



**“ Our Vision of **Blue Revolution** aims to harness the immense potential in fisheries sector and bring positive transformation in lives of our hardworking fishermen and fish farmers”**

Narendra Modi  
Prime Minister

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# Blue Revolution Scheme: The Tides of Change

Under the leadership of Hon'ble Prime Minister Shri Narendra Modi, the government has brought about transformational reforms in the fisheries sector, pushing for focused and holistic development of the fisheries sector while ensuring socio-economic well-being of fishers, fish farmers and other stakeholders.

## Blue Revolution Scheme:

The Blue Revolution: Integrated Development and Management of Fisheries Scheme was launched in FY2015-16 with a central outlay of Rs. 3,000 Crores for 5 years. The scheme primarily focused on increasing fisheries production and productivity from aquaculture and fisheries resources in both Inland and Marine sectors. The consistent efforts made by the Government of India to bring about reforms through the Blue Revolution Scheme has yielded appreciable results. Thus, the fisheries sector recorded an impressive average annual growth rate of 9.03% as against the national GVA growth rate of 4.51% during the same period (FY2015-16 to FY2020-21).

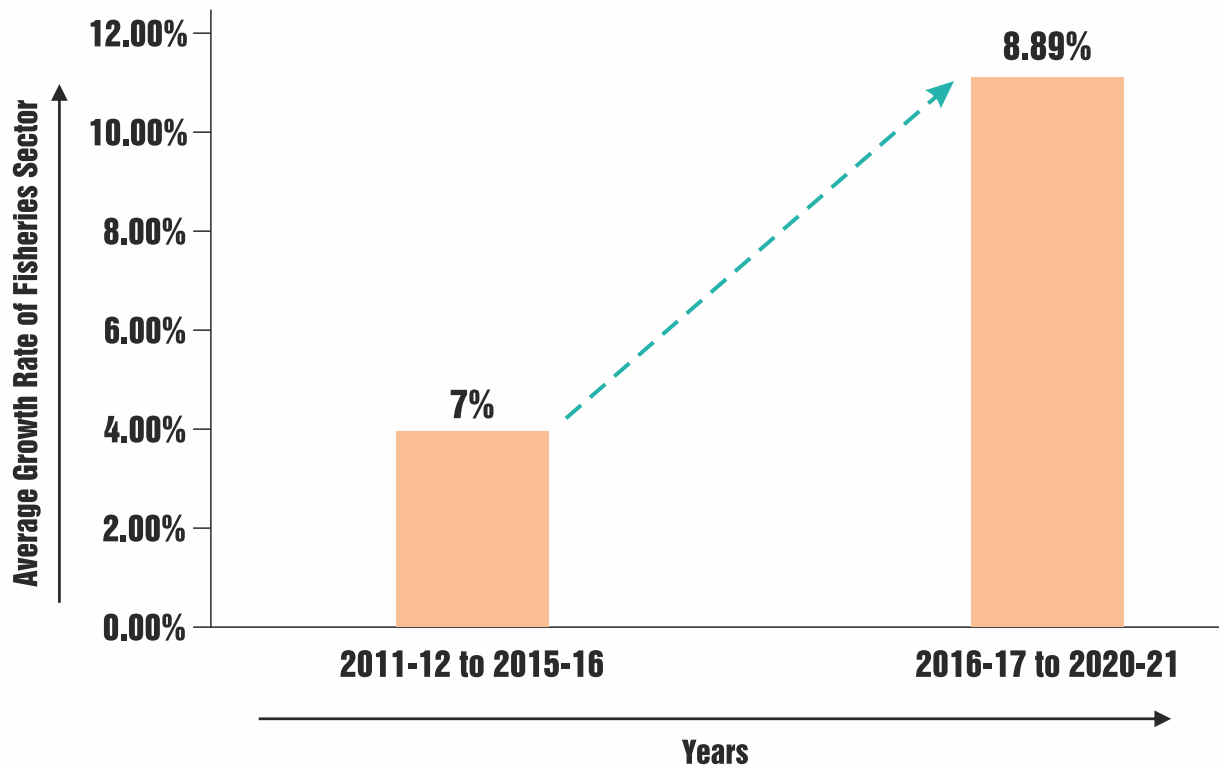


*Sea Cage culture in kochi, Kerala*

Source - CMFRI, Kochi



Further, the fish production reached an all-time high of 16.25 MMT (FY2021-22) with marine exports touching Rs.57,586.48 Crores.



*Fishing Vessels in Tamil Nadu*

# Pradhan Mantri Matsya Sampada Yojana: Addressing Gap in the Fisheries Sector

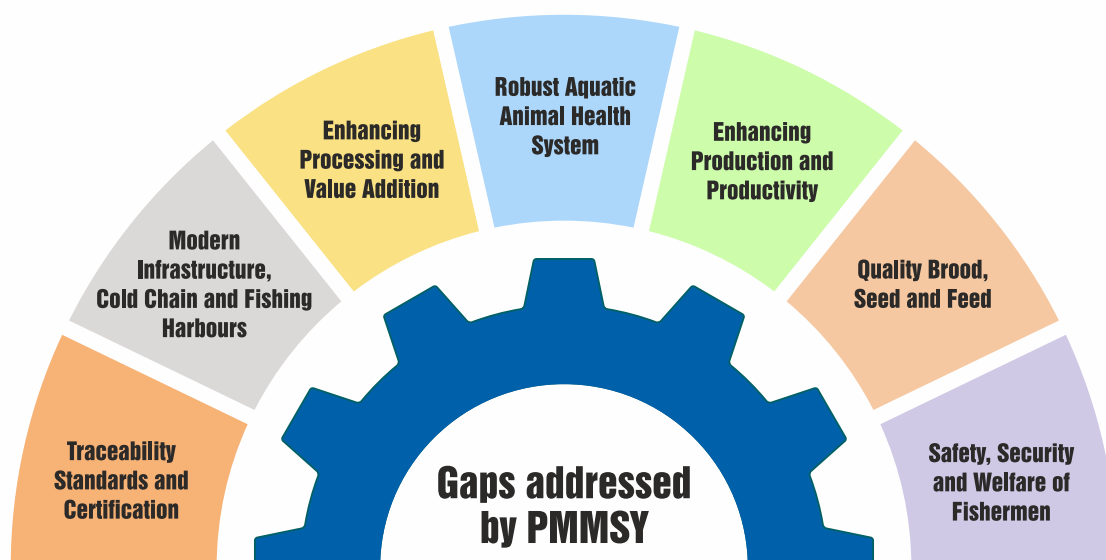
The Blue Revolution scheme was the first step towards making the fisheries sector economically viable and robust. However, further efforts need to be made for the fisheries sector to realise its full potential.



**PM MODI  
LAUNCHES  
FISHERIES  
SCHEME WORTH  
RS. 20,050  
CRORES**

*Hon'ble Prime Minister Shri Narendra Modi launches  
Pradhan Mantri Matsya Sampada Yojana*

The sector needs reforms to address critical gaps across the value chain; from fish production and quality control to post-harvest infrastructure, traceability and market linkages. In view of the same, the Government of India has conceived Pradhan Mantri Matsya Sampada Yojana (PMMSY) to help the fisheries sector achieve new heights while ensuring socio-economic welfare of fishers, fish farmers and other stakeholders.



# PMMSY: The Saga of Transformation of Fisheries

The new flagship scheme Pradhan Mantri Matsya Sampada Yojana (PMMSY) is a pathbreaking initiative under the AatmaNirbhar Bharat Package.



*Farm pond Aquaculture in Bhalaguri village, Baska District, Assam*

PMMSY builds on the successes of the Centrally Sponsored Blue Revolution Scheme and aims to take the fisheries sector to the next level. With its multi-dimensional interventions and activities along the fisheries value chain such as production and productivity, quality, technology, infrastructure and management, PMMSY aims to transform the fisheries sector and usher economic prosperity for fishermen, fish farmers and other stakeholders.



*Fish cage culture in Chandil dam, Seraikela Kharsawan district, Jharkhand*



# Key Reforms and Initiatives under PMMSY

Enhanced Investment in Value Chain

Technology Infusion

Policy Support

Financial Inclusion

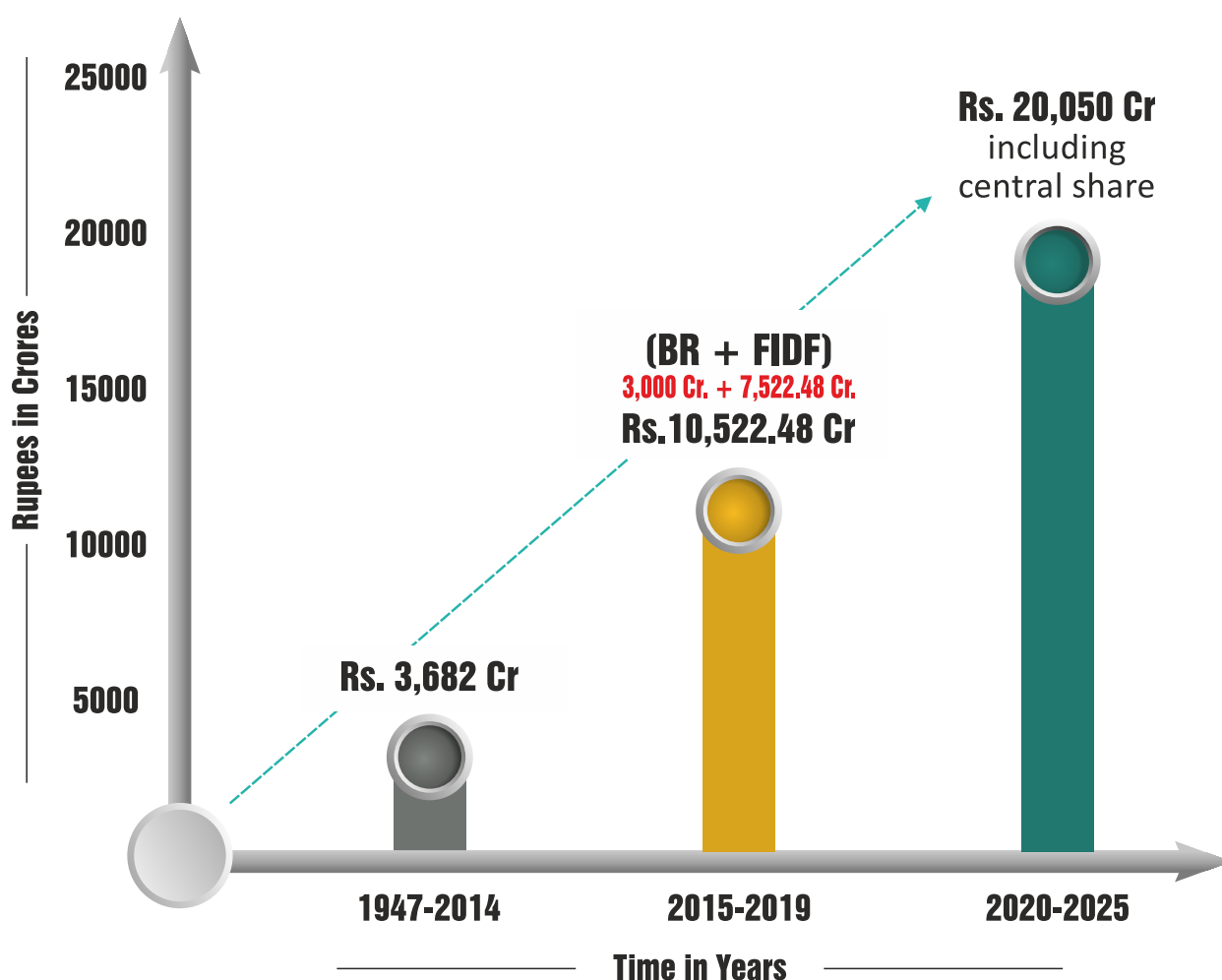
Alternative Livelihood and Entrepreneurship

Productive Utilization of Land and Water

Development of Cluster Based Approach

# Highest Ever Investment in Fisheries Sector under PMMSY

Rs. 30,572 Crores investment in the fisheries sector under various Schemes and Programmes namely Blue Revolution, Fisheries and Aquaculture Infrastructure Development Fund (FIDF) and Pradhan Mantri Matsya Sampada Yojana (PMMSY).



Highest ever investment of Rs. 20,050 Crores envisaged under PMMSY (FY2020-25) for development of the Fisheries sector

Projects with outlay of Rs. 14,659.12 Crore approved under PMMSY during FY2020-21, FY2021-22 and FY2022-23



## Government Initiatives

2015-16	Blue Revolution Scheme launched with an outlay of Rs.3,000 Crores
2017-18	National Marine Fisheries Policy launched
2018-19	Fisheries and Aquaculture Infrastructure Development Fund (FIDF) launched with corpus of Rs.7,522 Crores
2018-19	KCC facility extended to Fish farmers
2018-19	Exclusive Department for Fisheries created
2019-20	Separate Ministry of Fisheries, Animal Husbandry and Dairying created
2020-21	Pradhan Mantri Matsya Sampada Yojana (PMMSY) launched



*Fish cage culture with high stocking density in the reservoirs of Jharkhand*

# Technology Infusion: More Crop Per Drop

PMMSY lays emphasis on addressing critical gaps in the value chain through technology infusion and optimal water management to achieve 'more crop per drop'

Rs. 2,841 Crores investment planned for Expansion, Intensification and Diversification of Aquaculture



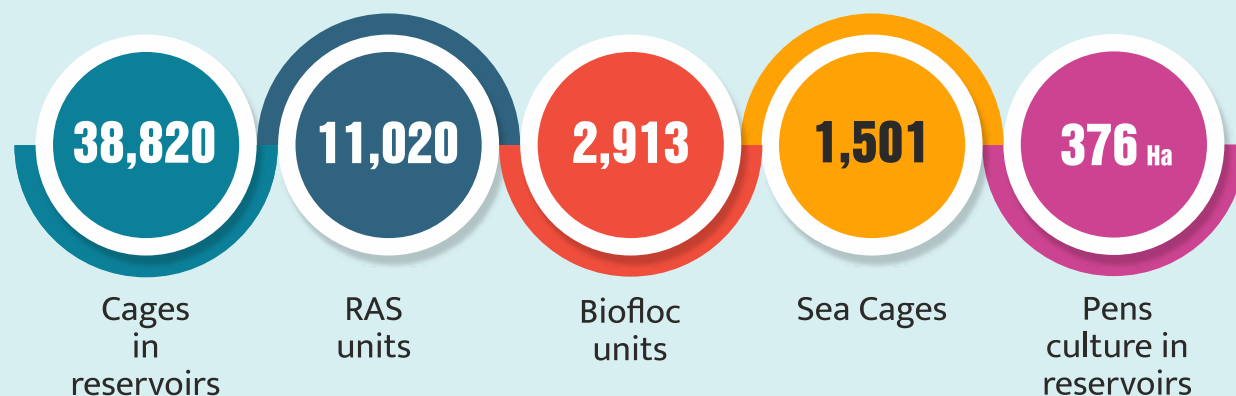
*Biofloc of Smt. Fulo Devi, Rukminia, Khagaria District, Bihar*

## New Technologies under PMMSY

- Re-circulatory Aquaculture Systems (RAS)
- Bio-Floc
- Aquaponics
- High Density Pond Aquaculture
- Integrated Multi Trophic Aquaculture (IMTA)
- Pen Culture

## TECHNOLOGY INFUSION IN INLAND & MARINE FISHERIES

### PMMSY: Achievements during 2020-21, 2021-22 & 2022-23 (till March 2023)



## Deep Sea Fishing Vessels

### Driving Higher incomes for Traditional fishermen

Vessel Type	Annual Profit
Motorised Vessel	Rs. 3 Lakhs
Mechanised Vessel	Rs. 8-10 Lakhs
Modern Deep-Sea Fishing Vessel	Rs. 32 Lakhs



Motorised Fishing Vessels, Kochi Harbour



Prashikshani- Modern Deep Sea fishing Vessel, Kochi Harbour

### PMMSY: Achievements during 2020-21, 2021-22 & 2022-23 (till March 2023)



Bio-toilets in mechanized fishing vessels



Upgradation of existing fishing vessels



Deep sea fishing vessels



### PMMSY Promotes 'Make in India'

- Modernization of Fishing vessels
- Low cost indigenous fishing vessels
- Mother Vessels

# Alternative Sustainable Livelihoods

- **Mariculture** for safe and secure lives and livelihoods of traditional fishermen
- **25% of Marine Fishermen** to Shift to Mariculture in next 10 years
- **Promoting cage culture & seaweed Cultivation: Rs. 1,276 Crores** investment planned under **PMMSY**
- **Seaweed Cultivation** to generate large scale employment for **coastal fisherwomen**



Source - Department of Fisheries, Govt. of Tamil Nadu

Fisherwomen in seaweed cultivation: Mandapam coast, Tamil Nadu

## Sea-Cage Cultivation Less risk, more profit

Activity	Capital Cost	Net income per annum
Traditional Fishing Vessel	Rs. 5 Lakhs	Rs. 1.2 Lakhs
Cage Cultivation (Cobia)	Rs. 5 Lakhs	Rs. 1.8 Lakhs per cage

**Rs. 7.5 Crores** to be invested for development of each **Integrated Model Coastal Fishing Village** to promote sustainable fishing practices, reduce environmental stress and improve socio-economic condition of Coastal fishermen.

### PMMSY: Achievements during 2020-21, 2021-22 & 2022-23 (till March 2023)

**64,231**

Seaweed cultivation  
Monoline/ tubenet  
method

**52,700**

Seaweed  
cultivation raft  
method

**2**

Integrated  
modern costal  
fishing villages



# Productive Utilization of Land and Water: From Waste lands to Wealth Lands

**Rs. 576 Crores investment planned for productive utilization of Saline and Alkaline effected lands for Aquaculture**



*Land with saline water used for shrimp farming in Rohtak, Haryana*

- Development of Aqua hub with end to end linkages for promotion of Exports
- Rs. 520 Crores investment under PMMSY for Development of 10 Lakhs Hectares of Reservoirs and Wetlands for fisheries (FY2020-25)

**PMMSY: Achievements during 2020-21, 2021-22 & 2022-23 (till March 2023)**

**1,790.19 Ha**

**Pond area for saline-alkaline aquaculture**



*Fish Cage Culture activity in the Karapuzha Dam, Wayanad District, Kerala*



# Entrepreneur-Led Model

PMMSY aims to create a conducive environment for private sector participation, development of entrepreneurship & innovative business models in fisheries sector.

**Innovations, Start-ups and Incubations, participation by youth, entrepreneurship to be promoted in Fisheries and Aquaculture sector**

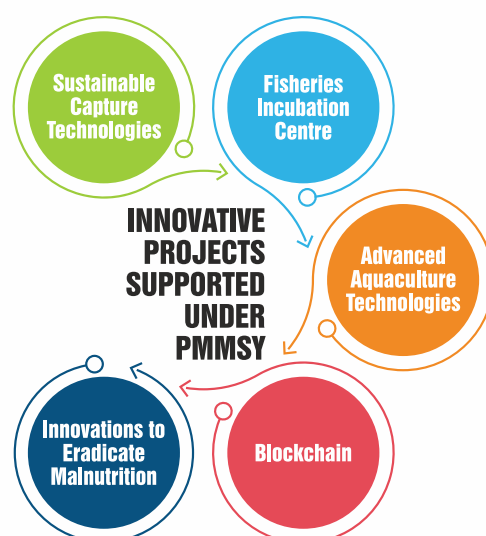
**Rs. 100 Crores earmarked for development of Entrepreneurship Model in all states/UTs (FY2020-25)**



*Fisherwomen SHG in Kochi, Kerala : Processing fish with fish drier*

## Empowering the youth to take up entrepreneurship

- Conducted Startup Challenge
- Developed Technology Incubation Centres
- Fisheries Incubation Centre in every Aquapark
- Attractive package of assistance under PMMSY for start-ups/integrated units



# Employment Generation and Livelihood support

PMMSY promotes creation of alternate livelihood through Seaweed Cultivation, Ornamental Fish Rearing, Eco-tourism, marine-based handicrafts, value addition to fish/other marine raw material.



*Fish Mobile Van (Jharkhand)*



*Fish Mobile Van (Uttar Pradesh)*

- **55 lakh** employment opportunities will be created - 15 Lakh in direct fishes', 40 Lakh in allied activities.
- **6 Lakh families** to be provided livelihood and nutritional support during fish ban/lean period both in Marine and Inland areas

## PMMSY: Achievements during 2020-21, 2021-22 & 2022-23 (till March 2023)

**16.25**  
lakh

Employment opportunities generated



*Self Help Group of fisherwomen, Fakirpada village, Khordha District, Odisha*

Source - CIFA, Bhubaneswar, Odisha



# Doubling Exports

India is one of the leading exporters of seafood. Export of marine products increased from 1.15 MMT (FY2020-21) to 1.37 MMT (FY2021-22). This exhibits 32% increase in export value amounting to Rs.57,586.48 Crores (~USD 7.76 billion).

**19%**

Annual average growth rate in fisheries export (quantity)

**123**

Countries exporting Indian marine products

**~6%**

Share in global exports

**4<sup>th</sup>**

Largest exporter of seafood globally

## PMMSY aims at Doubling Fisheries Exports

From Rs. 46,663 Crores to Rs. 1 Lakh Crores by 2025

- Focus on Clusters, species diversification, Promotion of Value-Added Products, Infrastructure and Logistics Support, Marketing and Promotion of Brand India
- Focus species - Tilapia, Pangasius, Sea Bass, Scampi and Mud crab



*Fisherwomen working in Shrimp processing plant, Kochi, Kerala*

Source - CIFT, Kochi

# Financial Inclusion

Government of India has taken several initiatives to deepen financial inclusion for fishermen, fish farmers and other stakeholders.



*Hon'ble Prime Minister Narendra Modi interacting with family members of cyclone-affected fishers in Kanyakumari, Kerala*

**In FY2018-19, Government of India extended Kisan Credit Card (KCC) facility to fishers & fish farmers to help them meet their working capital and short-term credit needs**



*Fish farmer getting KCC facility at PNB bank in Uttarakhand*

Number of financial inclusion initiatives have been undertaken for fishers & fishermen.

**Achievement during 2020-21, 2021-22  
& 2022-23 (till March 2023)**

**1,30,931**

KCC  
sanctioned

1

## Vessel Insurance

Insurance coverage for fishing vessels is being introduced for the first time in Fisheries



Source - CIFT, Kochi, Kerala

*Support to fishermen for nets and boats*

2

## Group Accident Insurance Scheme for Fishers(GAIS)

Provides for insurance coverage of Rs. 5.00 lakhs in case of death and permanent total disability, Rs. 2.50 lakhs for permanent partial disability and Rs. 25,000 for hospitalization.



*Fishermen involved in fishing activities in sea at the cost of their lives in Tamil Nadu*

## PMMSY: Achievements during 2020-21, 2021-22 & 2022-23 (till March 2023)

**32,91,357**

No. of fishers insured

**Rs.23.44 Cr**

Total premium amount



# Modern Infrastructure in Fisheries Sector

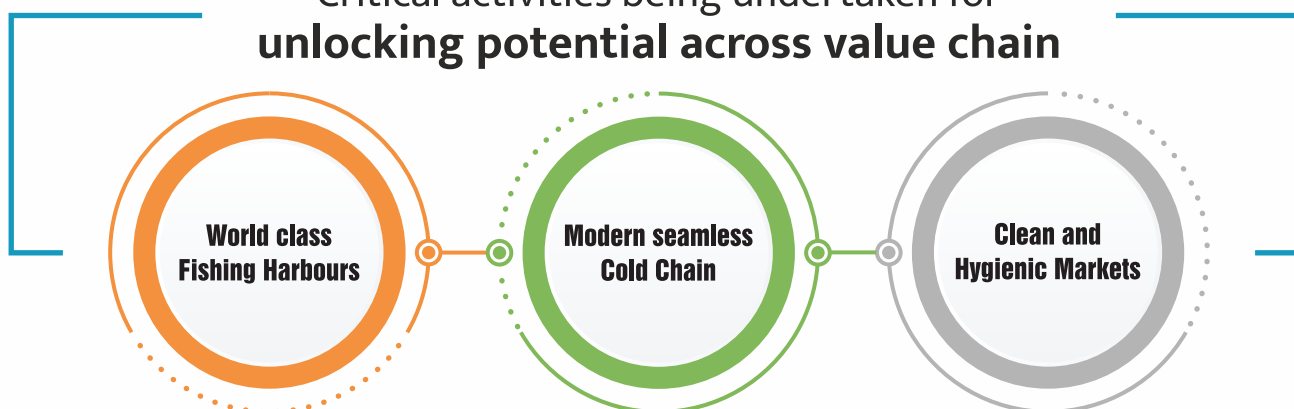
Highest ever investment of **Rs. 7,710 Crores** for Infrastructure Development in Fisheries Sector.



*Fish Harbour located at Chennai port*

- Rs.8,000 Crores for harbours and landing centers
- Rs.2,400 Crores for cold chain & market infrastructure.

Critical activities being undertaken for  
**unlocking potential across value chain**



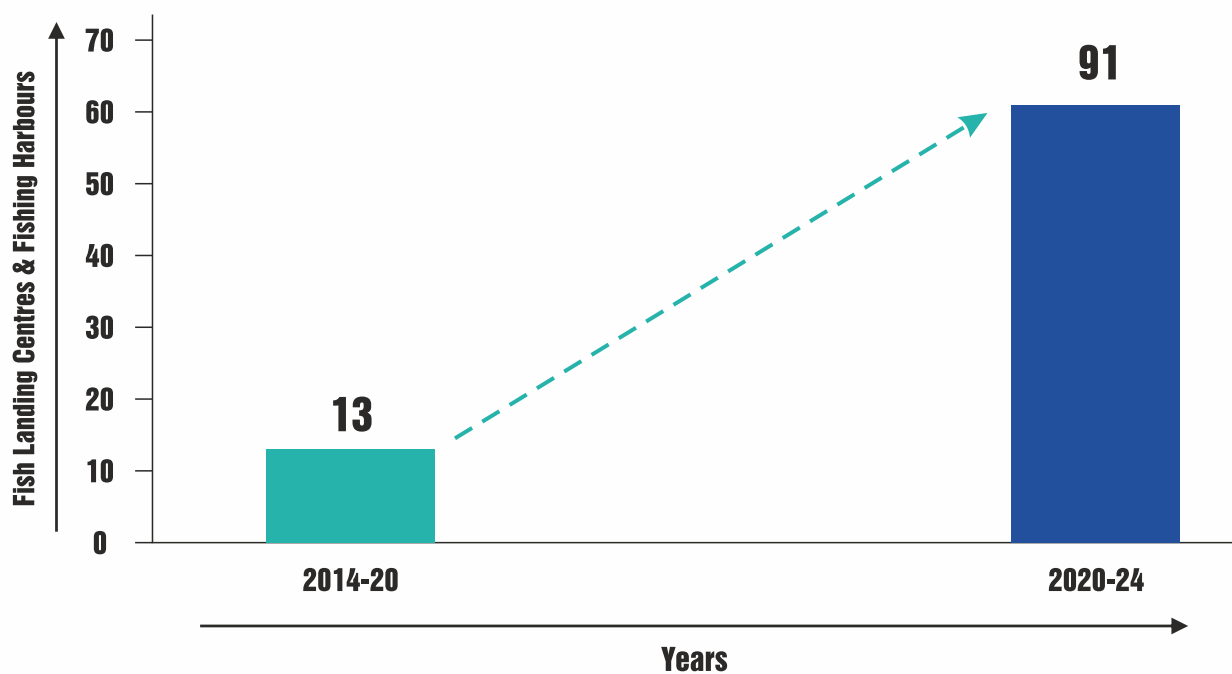
Riverine Fish Landing Centers along the Ganga and Brahmaputra rivers are being promoted

## FISHING HARBOURS AND FISH LANDING CENTRES

- 91 Fishing Harbours and Fish Landing Centres are being developed and modernized under PMMSY, Sagarmala and FIDF.
- Fishing Harbours and Fish Landing Centres are being promoted as hubs of economic activities.



*Modern Fishing harbour at Poompuhar in Nagapattinam, Tamil Nadu*





*Fishing Harbour in Hejamadi, Karnataka*

Total investment of Rs 2477.96 Crores approved in FY 2021-23 for development, upgradation, modernisation and maintenance dredging of fishing harbours and development of fish landing centers

**Rs. 2,400 Crores**  
12 new Fishing Harbors

**Rs. 400 Crores**  
Modernization of  
8 Fishing Harbours

**Rs. 625 Crores**  
25 Fish landing centers

**Rs. 65 Crores**  
Maintenance dredging

# Thrust areas for enhancing sustainable development of fisheries

## Promoting River Ranching

**River ranching taken up on priority to replenish depleted fish stocks in rivers**

**River ranching implemented in:**

- Ganges and its tributaries of Ganges river system
- Brahmaputra and Barak river tributaries
- Mahanadi and its tributaries of Mahanadi river system
- Godavari, Cauvery, Narmada and Indus rivers

**822 lakh fingerlings ranched in 13 states with an investment of Rs. 24.85 Crores**



## Establishment of Artificial Reefs in the coastal states

**Setting up of 671 nos of artificial reefs through a total investment of Rs. 208.10 Crores**

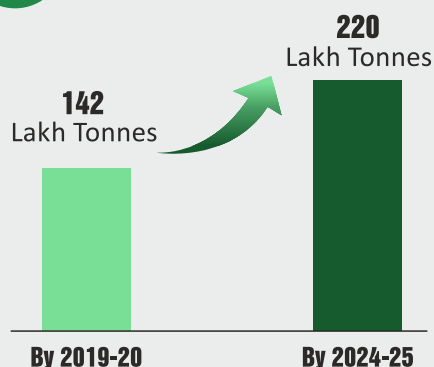


**Establishment of artificial reefs being implemented in states of Karnataka, Odisha, Maharashtra, Goa Kerala, Puducherry, Tamil Nadu and West Bengal.**

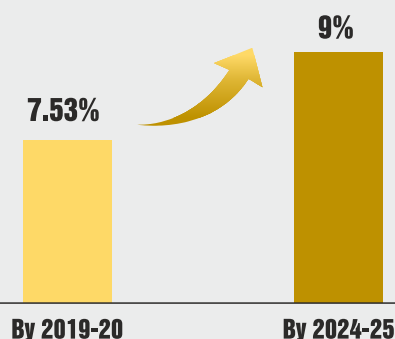
# Anticipated Outcomes and Benefits by 2024-25



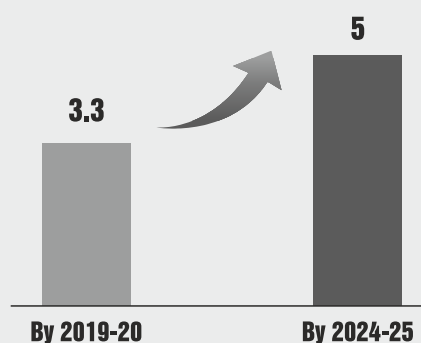
**Fish Production in Lakh Tonnes**



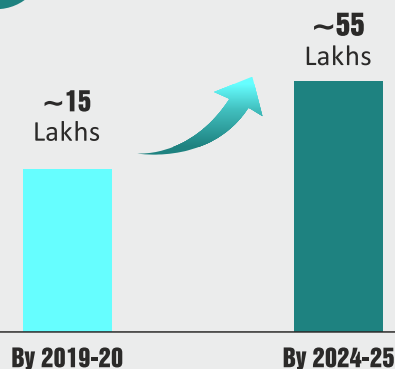
**Average Annual Growth of Fish Production in %**



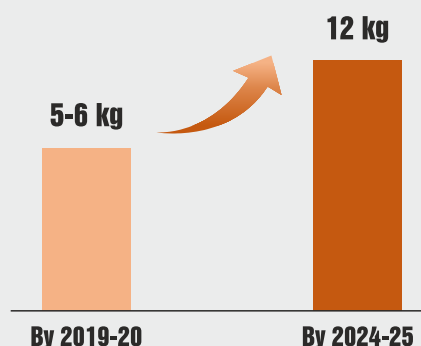
**Average Aquaculture Productivity in Tonnes Per Hectare**



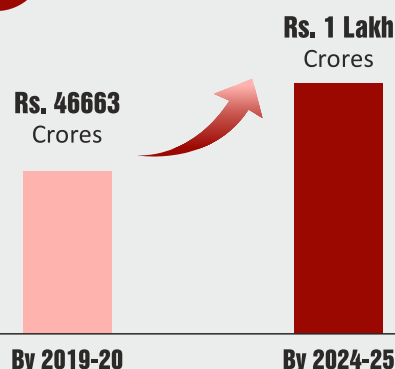
**Employment Generation in Lakhs**



**Per Capita Fish Consumption**



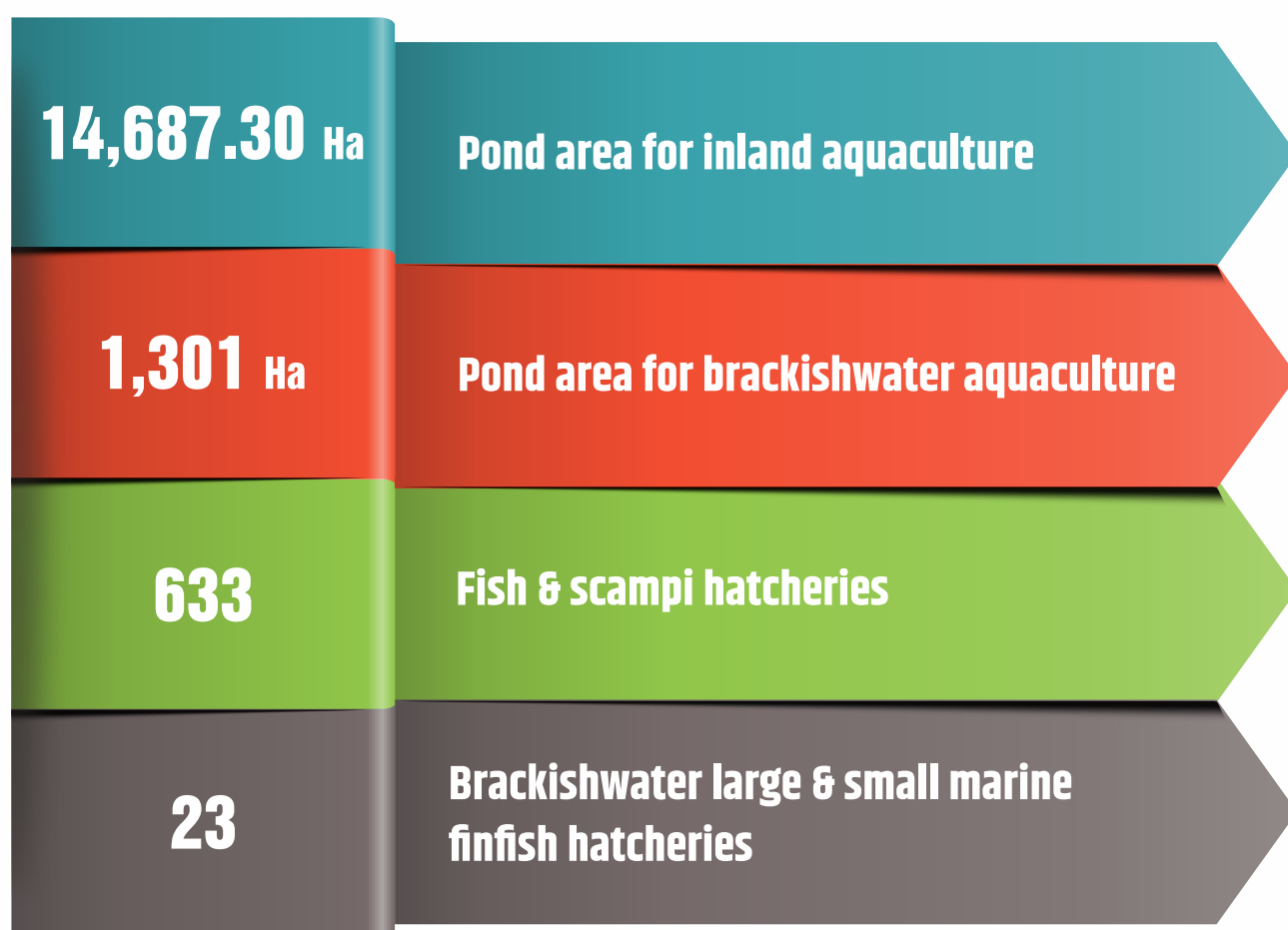
**Fisheries Export in INR Crores**





## PMMSY: Achievements during 2020-21, 2021-22 & 2022-23 (till March 2023)

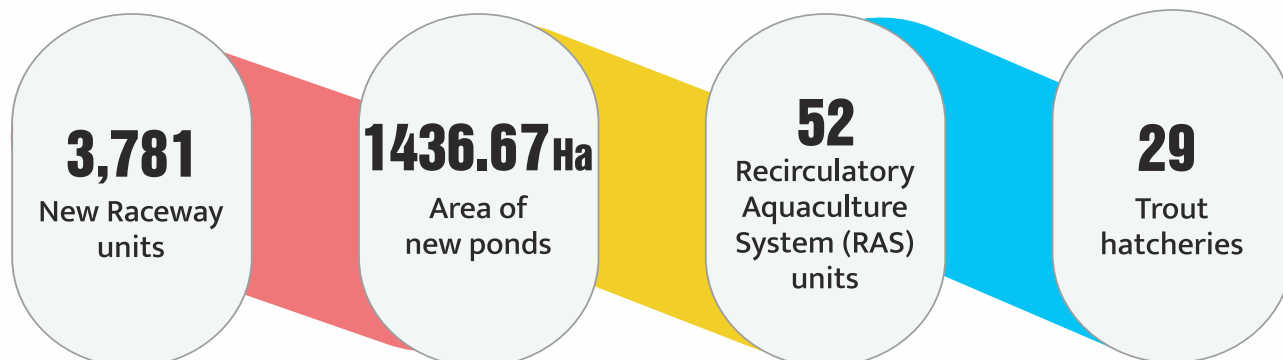
### DEVELOPMENT OF INLAND & MARINE FISHERIES



### DEVELOPMENT OF ORNAMENTAL FISHERIES



## DEVELOPMENT OF COLDWATER FISHERIES



## LOGISTICS AND INFRASTRUCTURE SUPPORT



### Different types of vehicles used for fish selling & distribution

**21,800**

Total Fish transportation facilities

**8,652**

Bicycles with Ice Box

**1004**

Insulated Trucks



**8,371**

Motor Cycles

**2,800**

Auto Rickshaws

**239**

Refrigerated Trucks

## DEVELOPMENT OF STORAGE, ENTERPRISE UNITS AND MARKETS

Fish kiosks including ornamental

**6,053**

**764**

Fish feed mill/plants

**734**

Live fish vending Centers

**429**

Ice plant/  
cold storages

**188**

Fish retail

**6**

State of art  
wholesale markets

**97**

Value added  
enterprise units



## DEVELOPMENT OF AQUATIC HEALTH MANAGEMENT SYSTEM

Development of indigenous shrimps  
(Indian white shrimps) aquaculture –  
Genetic improvement of *P. indicus* species  
**Rs. 25.04 Crores**

National Surveillance Programme  
for Aquatic Animal Disease  
(NASPAAD) programme  
**Rs. 41.09 Crores**

**23**

Mobile centres  
and  
testing labs

**13**

Disease  
diagnostic centre  
and quality  
testing labs

**5**

Aquatic  
referral labs

**2**

Genetic  
improvement  
programme  
& NBC

**803**

Import of  
germplasm

## DEVELOPMENT OF FISHERIES IN NORTH EASTERN REGION

Region-specific interventions are being undertaken due to remoteness and difficult terrain in the North Eastern States for development of Fisheries sector



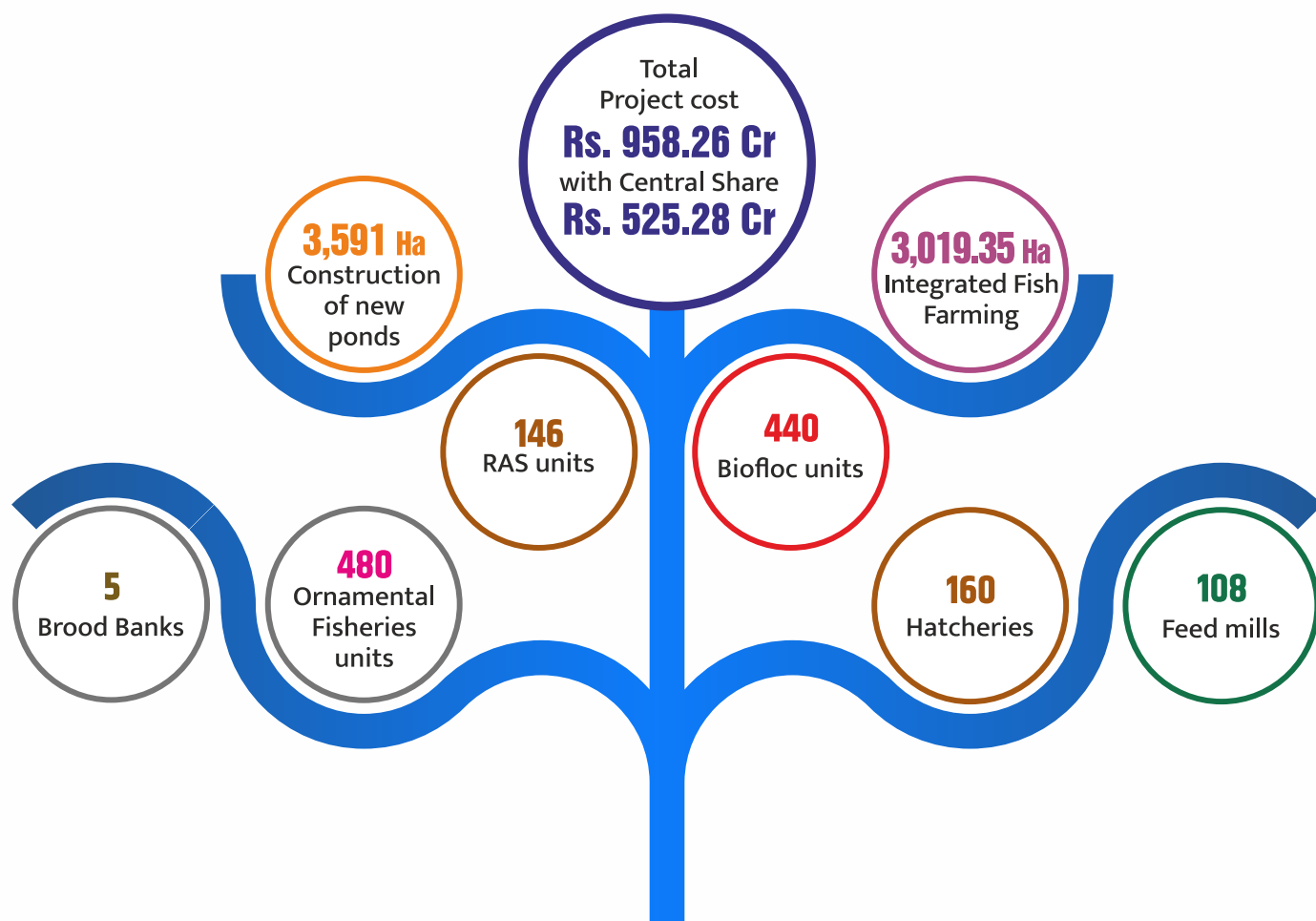
Medium Biofloc unit, Kamrup dist, Assam.



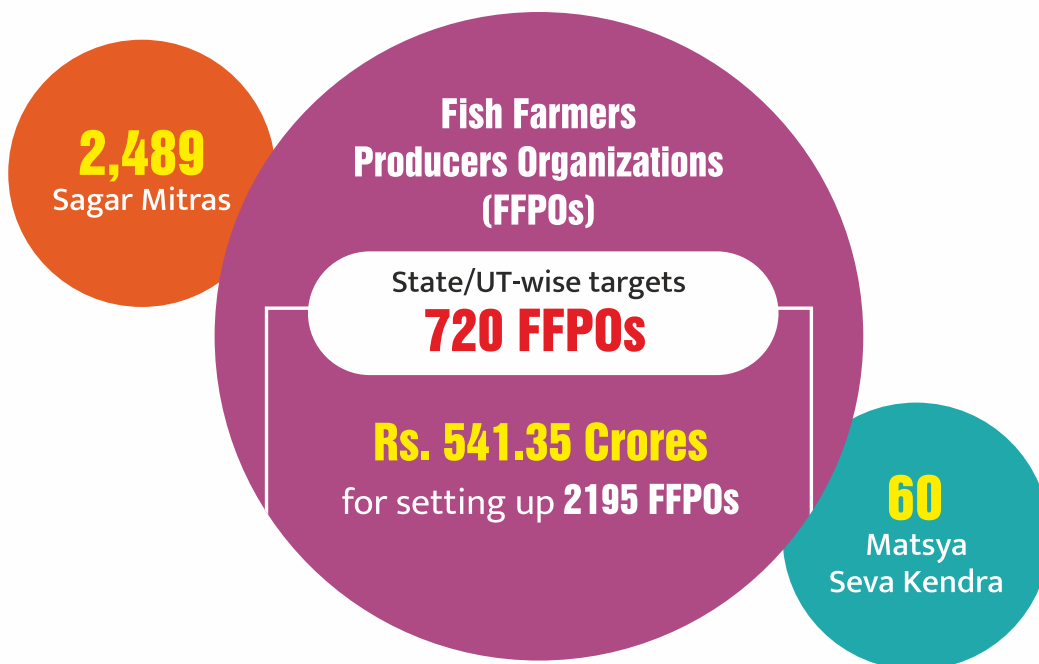
Mini Feed Mill, Biswanath dist, Assam



Cage culture at Serlui B Dam, Mizoram



## CAPACITY BUILDING AND EXTENSION SERVICES



## CAPACITY BUILDING RESOURCE CENTER FOR INTENSIVE AQUACULTURE TECHNOLOGIES AT GADVASU, LUDHIANA

- Resource center inaugurated for demonstration, capacity building and innovative R&D with total investment of Rs. 1.39 Crores
- Aims at upscaling intensive aquaculture technologies like RAS, Bioflocs based systems as per regional needs & climate and water saving





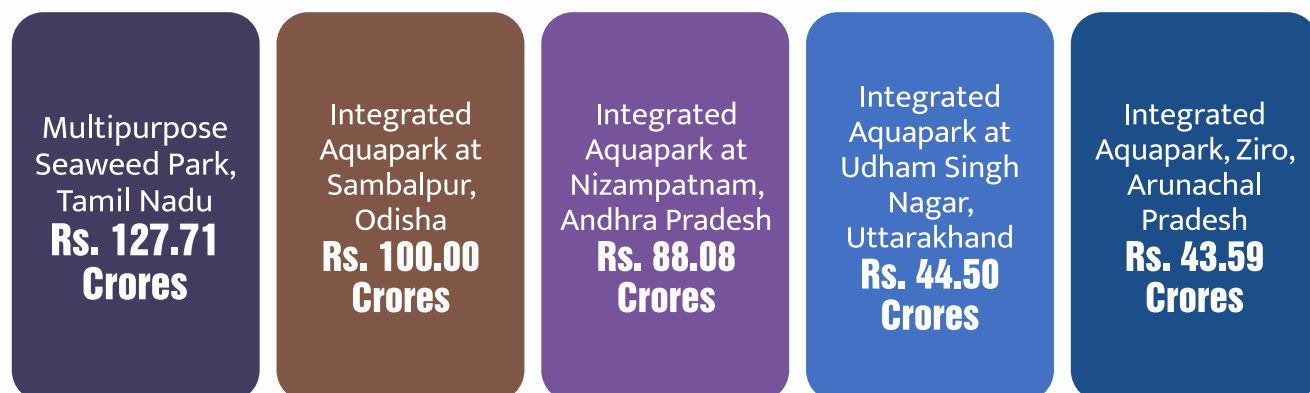
## TRAINING AWARENESS AND OUTREACH



## FISHERMEN WELFARE



## DEVELOPMENT OF AQUAPARK



## IN NEWS

# PM launches Matsya Sampada Yojana, says scheme will double fish exports in 3-4 years

**EXPRESS NEWS SERVICE**  
NEW DELHI, PATNA,  
SEPTEMBER 10

**PRIME MINISTER** Narendra Modi on Thursday launched the PM Matsya Sampada Yojana, which aims to double fish exports in three-four years.

Launching the scheme via video-conference, the PM said, "Today the scheme is being launched in 21 states across the country. Over Rs 20,000 crore will be spent on this in the next 4-5 years. Works worth Rs 1,700 crore are being started today. Under the scheme, several facilities have been inaugurated in Patna, Purnia, Sitamarhi, Madhepura, Kishanganj and Samastipur."

This is the first such comprehensive plan to promote fisheries in the country, he said, adding, "The goal is to double fish exports in the coming 3-4 years."



PM Narendra Modi at the launch of the scheme. PTI

After opening his speech in Bhojpur, Modi switched to Hindi to say: "The thinking behind launching sundry schemes today is to ensure that our villages should become India of 21st century and the strength of Atmanirbhar Bharat."

Bihar Chief Minister Nitish Kumar, Deputy Chief Minister Sushil Modi and Union minister

Giriraj Singh joined the launch programme from Patna via video-conference.

Under the new scheme, fish producers will get new infrastructure, modern equipment, and new markets will be provided, Modi said. "This will increase earning opportunities through farming as well as other means." The scheme will boost fish, milk and honey production, paving the way for blue, white and sweet revolutions, he said.

The PM also launched other initiatives for fisheries, dairy and animal husbandry including e-GOPALA app, which will provide information "related to cattle care, from productivity to its health and diet". The app will enable cattle owners to buy and sell animals, said a statement from the government.

The PM said the Centre was looking at taking IVF technique in rearing calves to every village.

"A cow generally gives birth to one calf in a year, but there have been experiments in laboratories getting several calves in a year through IVF technique. We intend to extend this technique to every village."

Referring to Mission Dolphin, which was announced on August 15, Modi said, "I learnt that Nitish Babu has been quite excited with the project. I believe if the number of dolphins goes up, it would benefit people living by Ganga." He was referring to the positive impact of rearing dolphins on fishery.

Lauding the work done by the Bihar government, Modi praised Nitish for the scheme to deliver drinking water to every home. "Till four-five years ago, only 2 per cent people were linked to supplied drinking water. This figure has now gone up to 70 per cent and about 1.5 crore households are linked to the scheme," he said.

## पीएम ने बुलंद की आत्मनिर्भर भारत की आवाज

बिहार समेत 21 राज्यों के लिए 20,500 करोड़ की मत्स्य संपदा योजना का शुभारंभ किया

खजूर, पटना : प्रधानमंत्री नरेंद्र मोदी ने गुरुवार को 20 हजार करोड़ रुपये से ज्यादा की प्रधानमंत्री मत्स्य संपदा योजना (पीएमएसएलवाई) की शुरुआत करते हुए इससे 55 लाख लोगों को रोजगार मिलने की उम्मीद जताई। वर्युअल कार्यक्रम में उन्होंने कहा कि आज 21 प्रदेशों में प्रधानमंत्री मत्स्य संपदा योजना शुरू हो रही है।

उन्होंने कहा, आज जितनी भी योजनाएं शुरू हुई हैं उनके पीछे सोच यह है कि हमारे गांव 21वीं सदी के आत्मनिर्भर भारत की ताकत और ऊर्जा बनें। इस योजना से मत्स्य निर्यात दुगुना होने के साथ-साथ अफ्रीका से अधिक रोजगार का सृजन होगा और किसानों की आय भी दुगुनी होगी। पीएम मोदी ने इस मौके पर ई-गोपाला एप भी लॉन्च किया।

गुरुवार को हुए वर्युअल समारोह में प्रधानमंत्री ने कहा कि आजारी के बाद पहली बार इतनी बड़ी राशि



विधानसभा चुनाव से पहले प्रधानमंत्री नरेंद्र मोदी ने गुरुवार को प्रधानमंत्री मत्स्य संपदा योजना और ई-गोपाला एप लॉन्च करने के दौरान बिहार में वीडियो कॉन्फ्रेंसिंग के जरिए रेली को संबोधित किया • एएनआई

का निवेश सरकार पशुपालन, मत्स्य और डेयरी क्षेत्र में कर रही है। देश में पहली बार अलग से मंत्रालय बनाया गया है। लक्ष्य यह भी है कि आने वाले तीन-चार वर्षों में मछली निर्यात को दुगुना किया जाए। गो-पालक और मछली उत्पादकों से बात करने के बाद मुझे नहीं ऊर्जा मिली है। इससे पूर्व उन्होंने पटना, मधेपुरा, पूर्णिया, किशनगंज, सीतामढ़ी, समस्तीपुर और बेगूसराय जिले के लिए विभिन्न

योजनाओं की घोषणा की। खांदी भोजपुरी अंदाज में बोले पीएम : बिहार के लोगों को संबोधित करने की बारी आई तो प्रधानमंत्री नरेंद्र मोदी का अंदाज खांदी भोजपुरी हो गया। उन्होंने कहा कि रउआ सपे के प्रणाम बा, देसबा खातिर, गांव और व्यवस्था मजबूत करे खातिर, मछली फलन करे खातिर। सैकड़ों करोड़ रुपये की योजना शुभारंभ भईल ह। हमार गांव 21वीं सदी के

भारत, आत्मनिर्भर बिहार की ताकत बने। मेरी बात को सिद्ध लीजिए कि पशुपालन, डेयरी और मत्स्य पालन क्षेत्र में चरित्र उज्ज्वल है। इसी के साथ उन्होंने विधानसभा चुनाव से पहले बिहार को सीगात देने का सिलसिला शुरू कर दिया। गुरुवार को पशुपालन, मत्स्य और डेयरी से संबंधित 294.53 करोड़ की योजनाओं का सिलान्यास और उद्घाटन किया।

बेदर बम के लिए वीरों की सरहना की : बिहार में विकास के लिए मुख्यमंत्री नीतीश कुमार की पीठ धक्काते हुए प्रधानमंत्री ने कहा कि चार-पांच साल पहले तक सिर्फ दो फेसद घघों को स्वच्छ पेयजल मिलता था। वर्तमान में यह आंकड़ा 70 फेसद हो गया है। बिहार के 60 लाख घघों को नल से जल की आपूर्ति सुनिश्चित हुई है। समारोह को मुख्यमंत्री नीतीश कुमार, उप मुख्यमंत्री सुशील मोदी ने भी संबोधित किया।

ग्रामीणों के परिश्रम की सरहना करते हुए प्रधानमंत्री ने कहा कि कोरोना काल में जब सारे काम बंद थे, तब भी गांवों से मीडियों तक दूध-दही, सब्जी-फल, अनाज आदि की आपूर्ति होती रही। बिहार अब उलम देसी नस्लों के पशुओं के विकास का केंद्र बन रहा है। अइ-वीएफ की मदद से एक गाघ से कई नस्ल तैयार हो रही हैं।

“

*It is time now to usher  
in the **Blue Revolution** as  
depicted in the blue colour  
of the Ashoka Chakra."*

**Narendra Modi**  
Prime Minister



**Government of India**  
**Ministry of Fisheries, Animal Husbandry & Dairying**  
**Department of Fisheries**