



# ANNUAL REPORT

## 2021 – 2022



## National Fisheries Development Board

Department of Fisheries

Ministry of Fisheries, Animal Husbandry and Dairying

Government of India

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## **1. NATIONAL FISHERIES DEVELOPMENT BOARD- AN OVERVIEW**

### **1.1 NFDB AND ITS MANDATES**

The National Fisheries Development Board (NFDB) was established in 2006 as an autonomous organization under the administrative control of the Department of Fisheries (DoF), Ministry of Fisheries, Animal Husbandry and Dairying, Government of India to realize the untapped potential of the fisheries sector in inland and marine, fish culture, capture, processing and marketing of fish, and accelerate the overall growth of fisheries sector with the application of modern tools of research and development. Since its inception, NFDB has taken up numerous developmental activities viz., intensive aquaculture in ponds and tanks, culture-based capture fisheries in reservoirs, Coastal Aquaculture, Mari-culture, Sea Weed cultivation, the establishment of infrastructure, fishing harbours and fish landing centres, fish dressing centres, solar drying of fish, domestic marketing, deep sea fishing, Tuna processing, ornamental fisheries, Trout culture, artificial reef, technology up gradation and capacity building of fishers and fish farmers are being supported through the State Governments/ Implementing agencies, which have improved the fish production, productivity and post-harvest and marketing facilities in the sector.

Foreseeing the high potential in the fishery sector, the Government of India has launched the Pradhan Mantri Matsya Sampada Yojana (PMMSY) with an estimated investment of Rs. 20,050 crore in the month of May 2020. PMMSY is designed to address critical gaps in fish production and productivity, quality, technology, postharvest infrastructure and management, modernization and strengthening of the value chain, traceability, establishing a robust fisheries management framework, and fisher's welfare.

In the changed scenario, NFDB has been entrusted with the role of the Project appraisal Committee to evaluate and recommend feasible projects to DoF on the proposals received from the States/UTs under the component of the Centrally Sponsored Scheme (CSS) of PMMSY. NFDB has been designated as the nodal agency for the implementation of various Central Sector activities such as the Entrepreneur Development Model, River Ranching, Certification and Traceability, Training Awareness, Exposure and Capacity building, and

Outreach and publicity campaigns on PMMSY and also as implementing agency for Insurance schemes, FFPOs, setting up of Project Management Consultancy (PMC) and any other activities entrusted from time to time by the Department. NFDB's other activities are the Empanelment of Equipment Manufacturers and suppliers, the Empanelment of Consultancy, the Internship, and NFDB outings. As per the provisions of PMMSY, Project Appraisal Committee (PAC) and Project Monitoring Unit (PMU) headed by Chief Executive have been constituted in NFDB for appraisal of the project proposals received under the CSS component and monitoring of the projects/activities implemented under PMMSY respectively.

## **1.2 ORGANISATIONAL STRUCTURE**

The Chief Executive is the Additional Secretary level officer of the Board. The Chairman of the Governing Body of the Board with the approval of the Central Government will appoint the Chief Executive with the terms and conditions as specified by the Government of India from time to time. It is the responsibility of the Chief Executive to coordinate and exercise general supervision of the overall activities of the Board and be accountable to the Governing Body, the Executive Committee, and the Central Government. He/she shall prescribe the job roles based on the nature of post to all officers and staff of the Board and shall exercise such supervision and disciplinary control as may be in accordance with the Government rules.

### **MISSION**

Holistic development of the fisheries sector through enhancement of fish production and productivity; to supplement nutritious protein for the growing population; to accelerate the overall economy of the Country, besides improving health, economy, exports, and employment in the Country.

### **MANDATES:**

- To provide focussed attention to fisheries and aquaculture (Production, Processing, Storage, Transport and Marketing)
- To achieve sustainable management and conservation of natural aquatic resources

- To apply modern tools of research and development for optimizing production and productivity from fisheries.
- To provide modern infrastructure mechanisms for effective fisheries management and optimum utilization
- To train and empower women in the fisheries sector and to generate substantial employment and better livelihood and revenue for the fishers.
- To enhance the contribution of the fish toward food and nutritional security

### 1.3 REGIONAL CENTRES

The details of the two Regional Centres of NFDB are given below:

#### 1.3.1 NFDB-EASTERN REGIONAL CENTRE, BHUBANESWAR

NFDB- Eastern Regional Centre (NFDB-ERC) was established in the year 2013, under the aegis of the NFDB. NFDB-ERC is on a sprawling campus of 119 acres (47.6 ha), on the campus of Government fish seed farm, Kausalyaganga, Bhubaneswar.

#### Objectives

The main objectives of NFDB-ERC are to maintain the good quality and/ or genetically improved fish broodstock obtained from the research organizations with proper package and management protocols and the multiplication of these Genetically Improved Fish Species (GIFS) broodstock in order to produce breeder seed and to distribute these breeder seed (fry/ fingerlings) to accredited/ networked hatcheries as the source for broodstock for further multiplication and to seed growers to act as the source for fingerlings being supplied to farmers to meet the seed demand from across the states in support of fisheries sector growth.

#### Manpower

Dr. Manas Kumar Sinha, Senior Executive (Technical) and Smt. Smiti Rekha Pati, Executive (Technical)

### 1.3.2 NFDB-NORTH EASTERN REGIONAL CENTRE, GUWAHATI

In 2014, NFDB established the North East Regional Centre (NERC) at Guwahati under the administrative control of NFDB whose headquarter is in Hyderabad. The regional centre was established in the campus of the National Institute of Rural Development and Panchayati Raj- North Eastern Regional Centre (NIRD-PR-NERC), Jawaharnagar, Khanapara, Guwahati. The Centre has been playing a pivotal role in the development of fisheries and aquaculture in the region through awareness programs, training, workshops, technical guidance, etc. under different NFDB activities.

#### Objectives

1. To coordinate with the 8 North-eastern States for the development of Fisheries and Aquaculture in the region
2. To explore the potential fisheries resources and development of fish culture activities for enhancing fish production
3. To promote small fish farmers and entrepreneurship for income earning and livelihood support
4. To act as an extension and outreach arm to NFDB for creating awareness and providing training and technical hand-holding to the fish farmers of the North-eastern States.

#### Activities

- To analyse the need of the region and implement need-based projects prevalent in the North Eastern States
- To organize Awareness Program/ Workshop/ Seminar and Farmer Oriented Skill Development Training
- To provide technical advisory services and hand holding to fish farmers of the region
- To prepare Manual/ Booklet/ Brochure, if any, about fisheries and aquaculture development and NFDB initiated/ implemented schemes/activities for the fish farming community of North East Region



- To assist the States in the preparation of Detailed Project Reports on fisheries and aquaculture development
- To follow-up and coordinate with the 8 North Eastern States for implementation of fisheries activities and regular monitoring of the outcomes

### Manpower

One Executive (Technical) Shri. Ashim Kumar Borah (Officer In-charge) and one Executive Assistant (Technical) Ms. Dorothy M.S and One Office Attendant Shri. Parag Jyoti Barman.

## 1.4 IMPLEMENTATION OF RIGHT TO INFORMATION (RTI) ACT, 2005:

For providing the information of public interest, NFDB has designated Central Public Information Officers (CPIO) and Appellate Authority under the relevant provision of the Right to Information (RTI) Act. RTI applications received through the online RTI portal and otherwise are forwarded online to the concerned CPIO, and relevant information is provided to the public with speedy disposal.

## 1.5 PREVENTION OF HARASSMENT OF WOMEN EMPLOYEES:

A committee for the prevention of sexual harassment of women at the workplace exists at NFDB to look into the complaints of sexual harassment of women. No complaint has been received during the FY 2021-22. NFDB has organized an awareness webinar to sensitize the employees of the office on the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 on December 9, 2021 through Video Conferencing. Two resource persons were invited as speakers for the webinar. Ms. Lakshmi Tejaswini, Women Welfare Officer, Mahila Shakti Kendra, Women and Child Welfare Department, Hyderabad explained the Act (“Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013”) and Ms. Archana Rao-Women activist shared her views on “Raising voice against sexual harassment: Committee on Sexual Harassment (CASH) as a means”. All the Officers and Staff of NFDB participated in the program.

## 1.6 QUERY CELL:

A query Cell has been set up at NFDB to investigate queries/information as requested by the public. The cell is headed by Senior Executive (Technical). A total of 398 Queries were received from April 2021 to March 2022 from the stakeholders from all the States/UTs of the country, through email/ letter/ Twitter/ Facebook/ toll-free No etc. Most of the queries were pertaining to the subsidy details of various schemes in PMMSY, FIDF scheme, Recirculatory Aquaculture System (RAS)/ Biofloc, fish farming, and training related information. All the 398 queries were answered in detail through email/ letter/ Twitter with the fish farmers and entrepreneurs.

## 2. ACTIVITIES OF NFDB UNDER PMMSY

### 2.1 PROJECT APPRAISAL COMMITTEE (PAC): PMMSY PROPOSALS' SCRUTINY AND RECOMMENDATIONS TO DoF:

NFDB received proposals from various States and UTs under the component of the CSS of PMMSY. NFDB provided necessary handholding and advisories to States/ UTs wherever required in the preparation and submission of proposals. During 2021-22, NFDB received proposals under PMMSY from 35 States/ UTs. A total of 893 Self Contained Proposals (SCPs)/ DPRs were received and scrutinized in NFDB. Totally, 13 meetings of the PAC of PMMSY were held under the Chairmanship of the Chief Executive, NFDB, and 709 projects under the CSS components were recommended to the Department of Fisheries, GoI for a total outlay of Rs. 4,236.00 crore with the Central share of Rs. 1,535 crore.

#### *Achievement:*

80% target was achieved by recommending Rs. 1,535.00 crore covering 35 States/ UTs as against the allocated budget Rs. 1,946.00 crore covering 36 States/ UTs. The State-wise details of the proposals received, and proposals recommended by the PAC are given in the table that follows:

Sl. No.	State/ UT	Proposal submitted by the State/ UT (Rs. in Crore)		The proposal recommended by PAC (Rs. in Crore)	
		Total Project Cost	Central Share	Total Project Cost	Central Share
(i)	(ii)	(v)	(vi)	(vii)	(viii)
1	Andhra Pradesh	1695.90	621.25	534.32	176.01
2	Odisha	326.02	268.94	326.02	122.97
3	Madhya Pradesh	242.98	75.00	175.18	54.23
4	Bihar	285.80	118.94	112.42	34.03
5	Karnataka	477.46	214.25	235.03	73.50
6	Tamil Nadu	293.10	166.09	407.72	165.87
7	Chhattisgarh	149.64	47.38	177.59	55.18
8	Uttarakhand	174.40	136.90	50.62	22.41
9	Gujarat	551.58	227.71	375.83	112.70
10	Assam	347.63	244.25	114.96	56.60
11	Kerala	653.46	367.13	237.25	92.15
12	Lakshadweep	18.20	16.00	5.80	3.62
13	Andaman and Nicobar	42.68	32.39	20.58	10.31
14	Himachal Pradesh	49.20	28.64	26.76	12.90
15	Mizoram	43.48	23.84	30.24	16.31
16	Goa	56.57	47.45	43.58	24.77
17	Telangana	153.37	51.90	140.85	39.41
18	Uttar Pradesh	293.87	89.49	347.44	115.48
19	Maharashtra	449.74	231.24	358.63	137.52
20	Puducherry	12.95	8.63	13.78	9.03
21	Jammu and Kashmir	26.64	13.26	27.39	13.65
22	Jharkhand	228.74	93.68	140.13	47.98
23	Rajasthan	21.39	7.50	10.87	3.78
24	Tripura	82.18	52.50	54.83	28.43
25	Sikkim	97.61	81.56	17.46	9.43
26	Meghalaya	321.35	144.41	13.41	7.24
32	Punjab	61.71	17.30	43.34	10.92
33	Haryana	249.80	95.30	96.93	30.66
30	Ladakh	7.15	4.77	5.95	3.57
28	Manipur	111.67	57.28	11.97	5.71
27	Arunachal Pradesh	158.38	142.89	33.06	19.84
31	Nagaland	26.70	14.58	21.64	11.69
29	Delhi	18.20	16.00	1.47	0.76
34	Daman and Diu, DNH	207.62	207.62	0.00	0.00
35	West Bengal	119.00	47.60	22.80	6.55
	<b>Grand Total</b>	<b>8056.16</b>	<b>4013.66</b>	<b>4235.84</b>	<b>1535.21</b>

## 2.2 PROJECT MONITORING UNIT (PMU)

A “Project Monitoring Unit (PMU)” was constituted at NFDB on December 1, 2020 as per PMMSY guidelines. Within the PMU, State monitoring teams were formed with the Executive Directors as Team leaders and all technical officers of NFDB including PMC as members. Each team is assigned with monitoring the progress of implementation of the schemes in 6-8 States/ UTs periodically.

The PMU Cell developed the monitoring formats for Data collection from States/ UTs and checklists for the field visits and communicated the same to the State Team leaders, and members of all States/ UTs. Three rounds of review meetings were conducted by the State PMU teams with the respective States’/ UTs’ Nodal Officers on the implementation of PMMSY schemes 2020-21 and 2021-22.

During 2021-22, the Chief Executive, NFDB, and PMU-State teams conducted field visits to the States/ UTs based on the progress of the PMMSY scheme activities. Eighteen States were visited. The implementation of PMMSY schemes was reviewed and the project sites were visited along with the FIDF project sites and facilities of NFDB empanelled firms in the nearby areas.

After holding the quarterly review meetings with the States/ UTs, the data received from States/ UTs is compiled and analysed based on the data received, review meetings’ inputs and field visits. The salient observations of PMU are being furnished to DoF from time to time.



*PMU team visits to units sanctioned*

Advisories are being issued to States/ UTs on technical aspects, lacunae while implementation of the projects, erection of sign boards with the PMMSY logo and GoI logo indicating the support of financial assistance and timely submission of progress reports

(physical and financial details) to expedite the implementation of the PMMSY project activities regularly to NFDB and DoF.

## **2.3. NFDB AND ITS ACTIVITIES UNDER PMMSY:**

### **On Going Projects (2020-21) and New Projects (2021-22):**

As per the Annual Action Plan (AAP) 2021-22 sanctioned by DoF under PMMSY Central Sector Scheme, various need-based activities were undertaken. A few projects of Blue Revolution Scheme were continued under NFDB-AAP 2020-21 and 21-22 under PMMSY as ongoing projects and the details are given below:

#### **2.3.1 ESTABLISHMENT OF MARINE FINFISH BROOD BANKS**

The realization of the lack of adequate diffusion of scientific information/ technologies from research to the farming community and the lack of marine fish seed in quantity and quality resulted in the NFDB- ICAR-CMFRI Technology Upgradation projects on the establishment of brood banks for enhancing the production of silver pompano at Vizhinjam Centre and cobia at Mandapam Centre of ICAR-CMFRI with the total project cost of Rs. 5.64 crore and Rs. 3.24 crore respectively.

#### **Achievement:**

The Vizhinjam Regional Centre of ICAR-CMFRI in Thiruvanthapuram district has the broodstock of 100 pairs of silver pompano (*Trachinotus blochii*) and 40 pairs of Indian pompano (*Trachinotus mookalee*) in RAS. The centre has achieved the production capacity of 50 million yolk-sac larvae/ year with the seed production capacity of 0.7 to 1 million per year. More than 80 million yolk-sac larvae were produced and used for the seed production and distribution to farmers, hatcheries, and research institutions. The maximum daily egg production is more than 1 million per day. Apart from this, the centre has imparted training to more than 500 beneficiaries including officials. ICAR-CMFRI has signed MOU with four hatcheries for the egg/ yolk-sac and advanced larval supply. The seed was supplied to six maritime States and the Union Territory of Lakshadweep.



A state-of-the-art facility for holding the marine finfish brooders in the land-based system with RAS was established at Mandapam by ICAR-CMFRI. This facility produced about 30.86 million seed (yolk sac larvae) of high-value marine finfishes of cobia and silver pompano during the project period. Additionally, about one million advanced fingerlings of cobia and silver pompano were produced and supplied throughout the country for farming in cages and ponds.



*30 T RAS tanks, Vizhinjam RC of ICAR-CMFRI*



*Brooder holding tank, Mandapam RC of ICAR-CMFRI*

### **2.3.2 ESTABLISHMENT OF MARINE FINFISH SEED REARING UNITS: M/s. MSR AQUA HATCHERY PVT. LTD, KAKINADA, ANDHRA PRADESH**

The project was supported by NFDB to ICAR-CMFRI for the establishment of marine finfish seed rearing units by M/s. MSR Aqua Hatchery, Kakinada during the FY 2018-19 at the total cost of Rs. 258.45 lakh with the NFDB assistance of Rs. 103.45 lakh.

### *Achievement:*

The unit was established successfully with the facilities of a multi-species marine fish hatchery (MSR hatchery) at Kakinada, Andhra Pradesh. The total production of about 1.5 million silver pompano seed and 2.5 million Asian sea bass seed was achieved, and the seed was supplied for farming. Currently, M/s. MSR Aqua Pvt. Ltd., Unit- II Multispecies Marine Finfish hatchery is maintaining the broodstock of silver pompano (*Trachinotus blochii*), Indian pompano (*Trachinotus mookalee*), cobia, (*Rachycentron canadum*) and Asian sea bass (*Lates calcarifer*) in the broodstock holding tanks fitted with RAS. The hatchery is successfully operating on its own and is producing and supplying marine fish seed to the farming sector of the country.

### **2.3.3 UPSCALING AND DEMONSTRATION OF NURSERY AND GROW OUT CARP FEED**

NFDB has sanctioned the project “Upscaling and demonstration of nursery and grow out carp feed” to ICAR-CIFA for the estimated total project cost of Rs. 59.79 lakh with 100% central assistance for the project period of 3 years (April 2018 to March 2021). To address the issue of lower survival of spawn to fry and fry to fingerling stages (25-30% and 40-50%), ICAR-CIFA, Bhubaneswar developed a carp nursery feed. The feed was formulated using locally available feed ingredients like maize, soyabean meal, til oil cake, ground nut oil cake, mahua oil cake, deoiled rice bran, minerals, vitamin mixture, etc. The nursery feed CARP STARTER was developed to ensure higher survival, better growth, and uniform sized fingerlings production.

### *Achievement:*

It is observed that the feed has increased the survivability of fish by 20% in addition to the increase in growth rate and immunity. The CARP GROWER is the floating feed developed for the grow out stages of carps. The feed ensured better growth, improved Food Conversion Ratio (FCR), higher palatability to fish, disease resistance, and the production of tastier fish. The FCR was found to be 1.3. ICAR-CIFA has commercialized its technologies and has given to Agarwal Trading Corporation, Raipur, Chhattisgarh.





*Sampling of nursery fish after demonstration with CIFA-Carp Starter at NFFBB, Bhubaneswar*

### **2.3.4 DEMONSTRATION OF SEED PRODUCTION TECHNOLOGY OF GIANT FRESHWATER PRAWN**

NFDB has funded the project to the College of Fisheries, Rajendra Prasad Agricultural University (RPCAU), Pusa, Bihar during 2019-20 for the establishment of a seed production unit for giant freshwater prawn/scampi in Bihar at the total cost of Rs. 77.16 lakh with 100% financial assistance.

#### ***Achievement:***

The freshwater giant prawn hatchery is running with a production capacity of 5 million post larvae (PL). The PL-20 were stocked in 10 demonstration ponds of Muzaffarpur, Samastipur, East Champaran, and West Champaran districts and exhibited the survival rate of an average of 58%. Within six months of the culture, the average body weight was found to be 40 g with the FCR of 1.6. The hatchery is constructed to ensure seed production and supply of scampi in the State and the neighbouring areas.



*Freshwater prawn hatchery complex, Dholi*

### 2.3.5 DEMONSTRATION AND VALIDATION OF CAGE AQUACULTURE IN BUDHI GANDAK RIVER AND BIRAU LI MAUN OF SAMASTIPUR, BIHAR

Bihar is a land-locked state, bestowed with a vast magnitude of freshwater fisheries resources. These resources include 65,000 ha in the form of ponds and tanks which are used for culture based fisheries. However, mainly capture fisheries is performed in the 62,265.5 ha area of oxbow lakes, flood plains, and reservoirs, besides 2,700 km of rivers and canals. NFDB funded the project “Demonstration and Validation of cage aquaculture in Budhi Gandak River and Birauli Maun of Samastipur, Bihar” with the project cost of Rs. 74.00 lakh with 100% central assistance and subsequently released an amount of Rs. 37 lakh. One battery of 12 cages each was installed in Birauli Maun and Manika Oxbow Lake, Muzaffarpur together with a floating jetty. The cages are dispensed to Mushahari Matsya Vikas Samiti for the maintenance and fish culture.



*Cages installed in Manika Maun, Bihar*



*Cages installed in Birauli Maun, Bihar*

### 2.3.6 RECIRCULATORY AQUACULTURE SYSTEM (RAS) FOR NURSERY REARING OF MARINE FINFISH:



NFDB sanctioned the project “Recirculatory aquaculture system for nursery rearing of marine finfish: development and demonstration” at the total cost of Rs. 49.94 lakh for a period of 2 years (2020-21 to 2021-22) with 100% Central financial assistance to ICAR-CMFRI, Visakhapatnam Centre. The amount of Rs. 25.12 lakh was released as the first instalment during the FY 2020-21. The project aims to assess the zootechnical performance of marine finfish through the nursery phases by optimizing the stocking size, stocking density, feeding protocols and ambient water parameters for culture and determining the optimum culture duration and the size of harvest, to evaluate the economic performance of nursery rearing with detailed financial indicators and to develop the best possible production strategy.

It was observed that, after 5 months of culture period, the growth and survival rate was highest in the treatment which was given a flow rate of 5.0 t per hour. The biomass of 25 kg per cubic metre was achieved in the highest flow rate treatment. The FCR was 1:1.36 in the highest flow rate treatment. Salinity standardization was carried out to find out the best suitable range of salinity for the better growth rate during fry to fingerling stage of Indian pompano and was observed that during 3 months of culture period the growth and survival was highest at the salinity of 25 ppt.

In addition, different feed formulations were evaluated based on the yield performance and cost-effectiveness, to develop suitable nursery feed and feeding schedule. It was observed that the Indian pompano fingerlings can grow well with the feed having up to 52% protein and 12% fat. A standard operating protocol for nursery rearing of Indian pompano (*Trachinotus mookalee*) was developed based on the observations made during the experiment.



*Nursery rearing of marine finfish in RAS at ICAR-CMFRI, Vizag RC*



*Fingerlings of Indian pompano reared in RAS at ICAR-CMFRI, Vizag RC*

### 2.3.7 DEMONSTRATION AND FEASIBILITY STUDY OF LOBSTER FATTENING IN INTEGRATION WITH POMPANO AND SEAWEED IN THE LAGOONS OF LAKSHADWEEP BY ICAR-CMFRI

NFDB sanctioned the project to ICAR-CMFRI at the cost of Rs. 10 lakh for a period of one year during the FY 2020-21 with 100% central assistance. The entire amount has been released. Under the project, four cages were deployed in the lagoons of Agatti for culturing lobster in combination with the compatible finfishes and in integration with the indigenous seaweed following the principle of “Integrated Multi Trophic Aquaculture” (IMTA). A group of two partner farmers identified by the Fishermen Cooperative Society, Agatti is carrying out the farming operation. The Fishermen Cooperative Society, Agatti Island and the partner farmers are hand-held on the sea cage farming during the entire farming operation. The present stock includes 1,700 pompano with the average weight of 150 g and 75 lobsters with an average weight of 190 g.

As the tourism sector picks up in large way as envisaged by the Lakshadweep Administration, the lobster fattening for supply to the local resorts will be an economic activity. In the long term, this technology will lead to large scale fattening of lobsters. So far, five trainings have been conducted with 120 farmers and nearly 15 officials. The seed collection training was provided to around 10 divers/ fishers in Agatti and Karavatti Islands.



*Pompano seed stocking in the cage at Agatti Island, Lakshadweep*



### 2.3.8 CAGE CULTURE DEMONSTRATION OF INDIAN POMPANO (*TRACHINOTUS MOOKALEE*) IN CHANDIPUR COAST, BAHABALPUR, ODISHA

NFDB sanctioned the project “Cage Culture Demonstration of Indian pompano (*Trachinotus mookalee*) in Chandipur coast” at the cost of Rs. 257.327 lakh for a period of 3 years (2020-21 to 2022-23) with 100% Central financial assistance to ICAR-CMFRI. The amount of Rs. 257.327 lakh was released towards the fabrication and installation of 30 marine cages and for the marine fish culture in these cages along the Chandipur coast, Odisha. The demonstration of Indian pompano cage culture project was launched by Shri. Pratap Chandra Sarangi, Hon’ble Minister of State for Fisheries in the presence of Dr. C. Suvarna, CE, NFDB on January 10, 2021 at Bahabalpur, Balasore, Odisha. Culture of Indian pompano were successfully carried out in 30 cages. Partial harvest of cages was done during the month of September, 2021 and observed more than 1.70 Metric Tonnes (MT) of production from the initial biomass of 0.59 MT, indicating close to 3-fold increase within a period of 40 days.



*Demonstration of Indian pompano cage culture at Bahabalpur, Balasore, Odisha.*



*Harvest of cage cultured Indian pompano at Bahabalpur, Balasore, Odisha.*

### 2.3.9 ESTABLISHMENT OF MEDIUM SIZE RECIRCULATORY AQUACULTURE SYSTEM (RAS) AT COLLEGE OF FISHERIES, CAU, LEMBUCHERRA

NFDB sanctioned the project “Establishment of medium size recirculatory aquaculture system (RAS)” at the total project cost of Rs. 50 lakh with 100% central assistance to the College of Fisheries, CAU, Lembucherra during the FY 2020-21. An amount of Rs. 25 lakh

has been released as the first instalment to carry out the project. The objective of the project is to establish RAS, to start commercial scale fish production through Experimental Learning Programme (ELP) to sustain the system and to do technology development/refinement for highly valued indigenous species like pabda and pengba for RAS to diversify cultured species.

### **2.3.10 SETTING UP OF AQUATIC ANIMAL HEALTH LABORATORY (AAHL) AT COLLEGE OF FISHERIES, DHOLI**

NFDB funded the project for setting up of AAHL at the College of Fisheries, Dholi at the total cost of Rs. 120 lakh and released the total amount. The objective of the project is to provide facilities such as water quality tests, seed quality tests, disease diagnosis, etc. to the fishers/ hatchery owners/ fish farmers/other stakeholders. All the required equipment has been procured and installed in the AAHL at the College of Fisheries, Dholi.



*Facilities created in the Aquatic Animal Health Laboratory at the College of Fisheries, Dholi*

### **2.3.11 SETTING UP OF DEMONSTRATION UNITS AT KVK, CHANDGOTHI, CHURU-2 DISTRICT, SWAMI KESHAWANAND RAJASTHAN AGRICULTURAL UNIVERSITY, RAJASTHAN AND KVK, CHITODA, MUZAFFARNAGAR DISTRICT, SARDAR VALLABHBHAI PATEL UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, U. P.**

NFDB during 2021-22 sanctioned two projects for setting up demonstration units at KVK, Chandgothi, Churu-2 District, Swami Keshawanand Rajasthan Agricultural University,

Rajasthan and KVK, Chitoda, Muzaffarnagar District, Sardar Vallabhbhai Patel University of Agriculture & Technology, U. P. each at the cost of Rs. 53.32 lakh with 100 percent financial assistance to strengthen the KVKs with demonstration facilities and to impart training to the fishers and youth in developing their skills for better employment opportunities. NFDB has released the first instalment of Rs. 26.66 lakh for each of those projects.

### **Objectives**

- To establish instructional integrated fish farming unit at KVK
- To introduce various aquaculture enterprises to rural unemployed youth
- To facilitate effective utilization of community ponds by unemployed youth in villages
- To develop entrepreneurial/ managerial skills among these vulnerable groups of unemployed youth.

### **Technical Details**

The KVKs shall set up the basic facilities required in fisheries for imparting training and demonstration to youth on various aspects which include fish seed production, water quality analysis, feed preparation, monoculture and polyculture of fish and prawn, integrated fish farming practices, intensive fish farming, entrepreneurship development etc. The facilities proposed include FRP fish hatchery, construction of ponds, store, bore well and pump room, water analysis equipment, paddle wheel aerators, feed mixers and grinders, fishing nets, hapas, rafts etc.

### **2.3.12 RIVER RANCHING**

In order to address the depleted fish stock in rivers and improve the livelihood of fishers, the River Ranching scheme on pilot basis has been incorporated under PMMSY. During the FY 2020-21, the scheme has been implemented in three river basins namely (i) the Ganges and the tributaries of the Ganges River system, (ii) Brahmaputra and Barak River distributaries and other rivers, and (iii) Mahanadi and tributaries of Mahanadi River system, covering 8 States. During the FY 2020-21, NFDB had sanctioned projects to the

tune of Rs. 281.50 lakh and released Rs. 140.75 lakh, targeted to ranch 82.13 lakh fingerlings in 6 States namely Bihar, Uttar Pradesh, Odisha, Chattisgarh, Tripura, and Uttarakhand.

The Hon'ble Union Minister for Fisheries, Animal Husbandry and Dairying, Shri. Parshottam Rupala, launched the River Ranching Programme at Brijghat, Garh Mukteshwar, Uttar Pradesh on October 8, 2021. The 4 other States namely, Uttarakhand, Odisha, Tripura, and Chhattisgarh also participated the nationwide River Ranching program launching at the same time. Subsequently Bihar launched the same in the State on October 27, 2021.



*National launch of River Ranching programme at Brij Ghat, Garh Mukteshwar, UP on October 8, 2021 by Hon'ble Union Minister for Fisheries, Animal Husbandry and Dairying*



*Release of fingerlings at Brij Ghat, Garhmukteswar at the launching of River Ranching programme at Patna, Bihar on October 27, 2021*

During the FY 2021-22, the scheme is extended to cover other rivers such as Godavari, Cauvery, Narmada and Indus river and other river systems covering the states of Karnataka, Tamil Nadu, Maharashtra, Gujarat, Sikkim, Himachal Pradesh and Assam as the 2<sup>nd</sup> phase. The States have implemented the activities as per timelines due to frequent



monitoring and guidance to the States. A total of Rs. 16.05 crore is sanctioned for 13 states to ranch 555.05 lakh fingerlings which shall be completed in the proposed 13 States by November 2022.

**Achievement:** 96.91 lakh fingerlings were ranches during the FY 2021-22.

### **2.3.13 ESTABLISHMENT OF BREEDING UNITS FOR LOCALLY IMPORTANT FISH SPECIES OF NORTH EAST INDIA**

In the NER States, species like magur, singhi, pabda, and koi have got special consumer preferences and fetch high market price due to their medicinal properties and special taste. However, the commercial breeding, propagation, and culture expansion of these species remained low due to the lack of adequate hatchery infrastructure for local fish seed production, the lack of dissemination of breeding techniques among the farmers, and the lack of other necessary support.

To support the establishment of large breeding units of locally important indigenous fish species for magur, singhi and small units for pabda, and koi, NFDB invited proposals from the North Eastern Region (NER) States. NFDB sanctioned and released a sum of Rs. 64.40 lakh for the establishment of 17 large breeding units to be implemented by 17 beneficiaries covering 4 states namely Assam (5 units), Meghalaya (2 units), Sikkim (3 units) and Tripura (7 units) through the respective state fisheries department. A one-day online training program was organized on May 11, 2021 by NFDB-NERC, Guwahati for the benefit of the 17 selected beneficiaries. This program was organized with the help of subject experts from ICAR-CIFA, Bhubaneswar, College of Fisheries, CAU, Tripura, ICAR-North Eastern Hill (NEH) Centre, Manipur and Livestock Research Station, Assam Agricultural University, specially to provide detailed knowledge on “Design and Construction of Breeding Units for magur and singhi, pabda, koi, pengba, etc”. NFDB provided ready-to-use Standard Operating Procedure (SOP) on construction of breeding units and seed production.

**Achievement:** Breeding units are implemented with 90% progress by establishing 12 large and 6 small breeding units in the four States viz., Nagaland, Tripura, Manipur, and Assam.



*Large breeding unit by Purna Jamatia, Tripura with 100% civil work completion*



*Large unit by Binodini Devi, Manipur with 100% civil work completion*

### 2.3.14 ENTREPRENEUR MODELS IN FISHERIES AND AQUACULTURE

NFDB is implementing Entrepreneur Models in Fisheries and Aquaculture under the Central Sector component of PMMSY to attract enhanced private investment in fisheries and aquaculture sector and to enhance production, productivity, and profitability across the value chain by encouraging new technologies and innovations. Under this, various beneficiary oriented sub-components/activities of PMMSY or innovative fisheries and aquaculture activities may be integrated and packaged as entrepreneur/ business models for encouragement of entrepreneurship and innovations. Fund assistance up to 25% of project cost with a ceiling of Rs. 1.25 crore for General Category and up to 30% of project cost with a ceiling of Rs. 1.50 crore for SC/ST/Women beneficiaries is provided under this scheme.

**Achievement:** During the FY 2020-21, NFDB sanctioned 21 projects with the total outlay of Rs. 39.46 crore and eligible subsidy of Rs. 10.807 crore. NFDB issued 2<sup>nd</sup> notification during 2021-22 and nearly 235 applications were received.

### 2.3.15 GROUP ACCIDENT INSURANCE SCHEME (GAIS)

Insurance to fishers is one of the sub-components of the PMMSY scheme, under beneficiary-oriented activities. This scheme aids fishers and other category of persons who are directly involved in fishing and fisheries-related activities, in the age group of 18 to 70 years to be eligible for insurance coverage. The relief assistance provided are (i) Rs. 5.00 lakh against accidental death or permanent total disability, (ii) Rs. 2.50 lakh against permanent partial disability and (iii) Rs. 25,000 towards accidental hospitalization. NFDB is implementing this scheme since July 26, 2021 through M/s. Oriental Insurance Company Limited as the insurance company and M/s. Providence India Insurance Broking Private Limited as the insurance intermediary. The insurance premium of Rs. 72.44 per fisher per annum is shared by the Centre and the State as per the PMMSY funding pattern. During this year a total of 27.51 lakh fishers belonging to 17 States and 7 UTs have been insured under the scheme. Consequently, 230 claim intimations (Telangana-134, Puducherry-9, Himachal Pradesh-5, Odisha -3, Tamil Nadu-70, Andaman and Nicobar Islands-1 and Karnataka-8) were received. Out of these, 65 eligible insurance claim proposals were forwarded to M/s. Oriental Insurance Company Limited (OICL) for the settlement of the claim amount.

**Achievement:** The SOP for GAIS was communicated to the States/ UTs. Seven orientation-cum-training programs on providing intimation, processing of claims and creating necessary awareness among fishers through fishermen/ fisherwomen cooperative societies were conducted for the nodal officers from the States'/ UTs' Fisheries Department, District Level Fisheries Officials and other authorized Officials. A dedicated GAIS Portal and MIS were taken up. A total amount of Rs. 1.40 crore was released to the nominees of 28 fishers (Telangana-19, Tamil Nadu-6, Puducherry-2 and Odisha-1) at Rs. 5 lakh per fisher.

### 2.3.16 FISH MARKET AND PRICE INFORMATION SYSTEM (FMPIS)

NFDB is implementing the Fish Market Price Information System (FMPIS) as a flagship project for analysing the fish price information of fish markets in major cities and towns. An exclusive web/ mobile-based application has been devised through which the

prevailing fish market price details are entered for commercially important inland and marine fish species through enumerators.

**Achievement:** The fish price data captured through FMPIS enables the dissemination of fish price across the country and aids better marketability to the stakeholders (fisher/ seller) and accessibility to the end users (consumer/ buyer). Currently, 24 States/ 4 UTs are under the ambit of FMPIS wherein 90 enumerators collect the data in 40 wholesale fish markets, 43 retail fish markets, 17 fish landing centres, and 18 fishing harbours

### **2.3.17 CAPACITY BUILDING AND OUTREACH ACTIVITIES:**

NFDB has been designated as the national nodal agency and implementing agency for training, awareness, exposure, and capacity building including skill development/ upgradation activities under PMMSY.

During the FY 2021-22, NFDB in collaboration with States/UTs' fisheries departments, various Central and State academic, training and research institutions, universities and colleges, Fisheries Research Stations, KVKs and AOCs organized the awareness and training programs on different topics of the fisheries sector and PMMSY scheme activities for the benefit of fishers/ fish farmers/ students/ youth, etc., across the country.

NFDB sanctioned the awareness/ training programs to 55 Institutes/ States/ UTs/ fisheries universities/ colleges/ AOCs/ AAHLs/ KVKs with a total of 485 webinars/ training programs and sanctioned an amount of Rs. 208.56 lakh for the benefit of 37,210 participants.

Further, for the benefit of Scheduled Caste participants, NFDB sanctioned the SCSP awareness/ training programs to 32 Institutes/ State/ UTs/ DoFs/ fisheries universities/ colleges/ KVKs with a total of 584 training programs and sanctioned an amount of Rs. 632.11 lakh for the benefit of 30,785 Scheduled Caste participants.

**Achievement:** During the FY 2021-22, a total of 505 programs have been conducted for training and awareness by covering a total of 32,608 participants.

### 2.3.18 OUTREACH AND PUBLICITY OF PMMSY AND PROMOTION OF DOMESTIC FISH CONSUMPTION:

NFDB is making efforts to popularize PMMSY scheme and to enhance domestic fish consumption through various digital platforms such as short news apps/ google/ face book, audio-video publicity in the form of jingles/ video clips and print publicity in the form of magazines and newspapers, installing hoardings through the Bureau of Outreach and Communication (BOC) etc. for creating awareness about the nutritional value of fish.

#### *Objectives:*

- To create awareness about PMMSY as flagship program in the country
- To target the States with high fish production and low consumption
- To create general awareness about the health and nutritional benefits of fish consumption

#### *Publicity Programmes organised by NFDB:*

- Campaigns were organised to create awareness among rural and urban people through print, audio-visual, outdoor, digital, and electronic media and was taken up through BOC which is the nodal agency to do publicity for various Ministries and Departments of Government of India.
- Developed campaign materials for hoardings, posters, jingles, advertisements in magazines, videos, etc., in local languages based on region specific food consumption patterns, preferences and age group of population focusing on nutritive values.
- Created brands/ slogans/taglines/ proverbs, etc. as it helps listeners to recall the content/ message again and again and develop a positive attitude towards the concept of fish consumption. NFDB organized a contest in this regard, in various languages and awarded the contestants for the best slogans.
- Organized fish food festivals to attract more consumers and popularize fish consumption.
- Popularising various activities available under PMMSY guidelines for domestic marketing and post-harvesting facilities through advertisements and visual

communication throughout the States/ UTs, that shall contribute supplying hygienic fish to the consumers, ultimately increasing fish takers.

**Achievement:** NFDB could reach to approximately 34.46 lakh public by taking up various outreach activities. For the last two years the total reach attained through training and outreach activities is 42.58 lakh fishers, fish farmers, and other stakeholders.



*Fish Mela organised at Gangtok, Sikkim on April 20-21, 2021*

**Fish Festivals:** NFDB has sponsored 7 Fish Festivals with the amount of Rs. 5.0 lakh each in Andhra Pradesh, Himachal Pradesh, Madhya Pradesh, Tamil Nadu, Karnataka, and Sikkim along with CIFE, Mumbai to create awareness and to enhance fish consumption. Using this, Fish Melas have been organized by Sikkim, Himachal Pradesh, Tamil Nadu, Andhra Pradesh and CIFE, Mumbai.

### **Expos, Summits, and Workshops:**

During the FY 2021-2022, NFDB sponsored the following events or firms; (1) Conference on "1<sup>st</sup> Indian Fisheries Outlook 2022: Priming Indian Fisheries in Attaining Sustainable Development Goals", (2) "Agricultural Summit: AGROVISION 2021" at Reshimbagh Ground, Nagpur, Maharashtra along with a stall, (3) Hybiz.tv for organizing the 3<sup>rd</sup> Edition of Women Leadership Awards 2022, (4) National Summit on "Blue Economy: The Policy and Technology Road map to Sustainable Ocean Based Development", and (5) "Title Partner" for the "Smart Aqua Expo India 2022" Balasore, Odisha.

NFDB participated and set up stalls in 4 expos/events viz., (1) Seaweed India Expo 2021 (August 26-27, 2021), (2) Pre-Vibrant Gujarat Summit 2021 (December 14-16, 2021), (3) Rise in Uttar Pradesh 2021 (December 22-24, 2021), and (4) Exhibition AAHAR- "The International Food and Hospitality Fair"





*Participation in Vibrant Gujarat Summit 2021*



*Participation in Seaweed India, Expo 2021*



*Participation in Rise in Uttar Pradesh 2021*



*Agricultural Summit: AGRO VISION 2021*

### Publicity through outdoor campaigns: Hoardings

For outreach and publicity of PMMSY among the fishers, fish farmers and other stakeholders, hoardings on PMMSY were erected in various States through BOC at various prominent locations.



*PMMSY hoarding in Karnataka*



*PMMSY hoarding in Telangana*



*PMMSY hoardings in Gujarat*

### Way2News:

To promote the PMMSY scheme and domestic fish consumption through digital platforms, NFDB posted advertisements on the PMMSY scheme and domestic fish consumption in Way2News short news app in Kannada and Marathi on June 9 and 20, 2021, Tamil and Malayalam on June 13 and 14, 2021 and Bengali and Gujarati on June 26 and 27, 2021.

To promote the PMMSY scheme, FIDF and domestic fish consumption through digital platforms, NFDB released Rs. 7.95226 lakh to Way2News Pvt. Ltd., Telangana during the FY 2021-22 to post the advertisement in their App platform in 16 States viz., Bihar, Chhattisgarh, Delhi, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Rajasthan, Tamil Nadu, Uttarakhand, Uttar Pradesh, and West Bengal which was viewed by 1,38,161 users.

### Webinars:

On the occasion of POSHAN MAAH, on September 6, 2021, NFDB organised a webinar on “Consumption of fish and other aquatic foods for improving food and nutrition security” by inviting World Food Prize-2021 laureate Dr. Shakuntala Haraksingh Thilsted. On September 17, 2021, NFDB organized the 2<sup>nd</sup> Webinar on “Fish as Nutritional Food”. The 3<sup>rd</sup> Webinar on “Domestic Fish Consumption: Supporting food and nutritional security in NE States” was organized by NFDB-NERC on September 27, 2021. NFFBB, Bhubaneswar organised a one-day awareness program on "Inclusion of Fish in Daily Diet" on September 29, 2021.





*Webinar on consumption of fish held on September 6, 2021*



*Webinar on fish as nutritional food held on September 17, 2021*

## Social Media:

NFDB posted 25 social media posts on “Fish nutrition and its importance in diet” in Twitter, Facebook, LinkedIn, etc. for wider publicity from during September 1-30, 2021. NFDB also retweeted 15 posts by various twitter accounts such as MPEDA, World Fish, Blue Food etc. during September 1-30, 2021. About 398 number of “likes”, 28,315 of “views”, and 3,294 “interactions” were there during the period.

## Jingles:

NFDB broadcasted jingles on fish food consumption and nutritive value of fish and fisheries products in radio channels of Chhattisgarh, Himachal Pradesh, Jharkhand, Madhya Pradesh, Rajasthan, Uttar Pradesh, Uttarakhand, Andhra Pradesh, Telangana, Assam, Kolkata, Gujarat, Karnataka, Maharashtra, Odisha, and Tamil Nadu in Hindi and in vernacular languages. Radio city 91.1 FM and Red FM 23.5 were the channels involved. NFDB created 26 jingles and broadcasted them in 16 States in 9 vernacular languages for the promotion of domestic fish consumption and promotion of PMMSY and songs on Sagar Parikrama.

## Celebrations:

### Sagar Parikrama Phase-I celebrations at Mandavi, Okha and Porbandar

On the occasion of Azadi Ka Amrit Mahotsav, "Sagar Parikrama" program was organized by the Ministry of Fisheries, Animal Husbandry and Dairying, Government of India in collaboration with NFDB and the State Fisheries Department, Gujarat. The program started from Mandvi of Kutch district on March 5, 2022 and was completed at Porbandar

on March 6, 2022 under the chairmanship of Shri. Parshottam Rupala, Hon'ble Union Minister, Ministry of Fisheries, Animal Husbandry and Dairying, Government of India. The journey across the coast of the Arabian Sea in the Kutch district of Gujarat helped to bring awareness on sustainable use of marine fisheries resources, to raise the standard of living of the fish farmers living in the coastal areas, to maximize the benefits of public sector schemes, to protect marine life and to solve the problems of fish farmers. During the event, certificates/ sanctions related to PMMSY, KCC and the State Schemes were awarded to the progressive fishermen, especially coastal fishers and fish farmers, young fishery entrepreneurs etc. During the event, literature on PMMSY scheme, State schemes, FIDF, KCC etc. was popularized for wide publicity of schemes through print media, electronic media, videos, digital campaign through jingles. A song on Sagar Parikrama was launched in the context of 75<sup>th</sup> Azadi Ka Amrit Mahotsav. More than 4,050 people participated the program physically. Another 8,668 watched the livestreaming in YouTube and 1,201 in Facebook. In total, around 10,000 people watched the event and it became a huge success.

### **2.3.19 DEVELOPMENT AND OPERATION OF COASTAL AQUACULTURE AT MULAPOLAM, SRIKAKULAM IN ANDHRA PRADESH**

As per the Approved Action Plan 2020-21 and 2021-22, NFDB has taken up the Phase-I activities of site levelling, preparation of engineering drawings and cost estimations for the creation of coastal aquaculture facilities. The infrastructure works were entrusted to CPWD. The CPWD has completed the tender process and awarded the works. The civil works for the construction of nursery ponds for rearing and grow out ponds for farming of marketable size marine finfish (cobia, pompano and sea bass) and mud crab, the required seawater intake arrangements, filtration, storage reservoirs, freshwater supply arrangements, Effluent Treatment Plant (ETP), internal roads, electricity arrangements including generator, drainage, etc. are progressing well.

The status of civil works on the site as on March 31, 2022 are as follows:

1. Earth excavation and bund formation work for four Sea water storage reservoirs are in progress.

2. Grow out ponds are marked at the site for excavation.
3. Construction of the main road and internal roads in the phase I area in progress.
4. Earth work for the drain cutting is in progress.
5. Load test to decide upon the design of pile foundation for office building is under progress.

The 40<sup>th</sup> Executive Committee (EC) meeting of NFDB, directed NFDB to explore PPP mode for operationalization and development of further phases. Accordingly, Transaction Advisory Consultants were engaged. A series of discussions were held with the Consultants. The Senior Executive Director and the Executive Director, NFDB along with Transaction Advisory Consultancy visited the site on February 26, 2022 to understand the ground situation and to assess the progress of Phase-I activities being taken up by CPWD.

Out of the 3 models suggested by the Consultancy for PPP mode, Operation and Management (O & M) of Phase-I and Develop, Finance, Build Operate and Transfer-(DFBOT) of Phase-II activities with “O & M cum Concession Agreement model” was preferred and agreed by the DoF. Accordingly, a draft EoI was prepared and submitted to the DoF. Later, NFDB was requested to go for RFP. The RFP document is under preparation as on March 31, 2022.

NFDB has obtained the following statutory clearances;

1. In-principle approval of CAA to take up aquaculture activities
2. NOC from APPCB was obtained
3. Forest Department permission for laying seawater pipeline through the forest land is in progress. As on March 31, 2022, PCCF has recommended to Government of Andhra Pradesh for further processing and CRZ clearance is in progress.



*Works status at Molapolam site*

### **2.3.20 AQUATIC ANIMAL HEALTH AND QUALITY TESTING LABORATORY (AAH&QTL)**

The national level laboratory established at NFDB, Hyderabad is an ISO 9001-2015 certified lab offering testing services to the fishers, farmers, and other stakeholders involved in fisheries. The ISO certification enables the laboratory to provide quality testing, analytical services, and diagnostics services to the fisheries stakeholders ascertaining quantitative

and qualitative output. The lab is operational with molecular diagnostics, microbiology, feed, water, soil, and residual testing divisions and is well equipped with sophisticated instruments for gene sequencing, quantification of heavy metals and profiling of the amino acids and vitamins. The testing services are offered with due consideration to the standard laboratory protocols. Prioritized services included testing of quality shrimp seed (SPF), disease diagnosis of the aquatic animals using PCR and RT-PCR techniques, sequencing services, molecular identification of microorganisms, probiotic testing, physicochemical parameters of water and feed, and water microbiology.

AAH&QTL has developed a training calendar for the FY 2021-2022. The lab is offering training to enhance skill development by the hands-on approach on PCR, RT-PCR, analysis of aqua feed, heavy metal detection, HPLC, etc. A total of 18 programs were proposed, of which 15 programs were conducted by the AAH&QTL to 84 trainees. The trainees represented 10 States i.e. Andhra Pradesh, Telangana, Maharashtra, Tamil Nadu, Uttar Pradesh, West Bengal, Kerala, Karnataka, Bihar, and Haryana.

#### **Details of testing services offered by the AAH&QTL during the FY 2021-22:**

- 66 shrimp samples received from the private shrimp hatcheries were tested for WSSV, IHHNV and EHP.
- Aerobic plate count and inoculum testing services were provided for 17 samples.
- Microscopic identification of fish samples mainly for fungi and bacteria was done.
- Analysis of physicochemical parameters pertaining to water quality were provided for 98 samples from various regions.
- Feed analysis was carried out for 3 samples from Telangana.





### Internship Programme:

NFDB launched the Internship Programme on July 29, 2021. The duration of the Internship Programme offered were 4, 8, and 12 Weeks. A total of 14 candidates completed the internship. During the internship period, they worked in the divisions of PMMSY, AAH&QTL, NFDB Demo units, HRD, M & E, PMU, and NFFBB.



### Empanelment of Consultants/ Consultancy Agencies and Equipment Manufacturers/ Suppliers:

Through the initiative like empanelment of consultants, 49 were registered under technical support for taking up fisheries related activities and 44 firms were registered under equipment manufacturers.

## 2.4 EVENTS / CAMPAIGNS ORGANIZED BY NFDB

### 2.4.1 LAUNCH OF MATSYA SETU APP

Shri. Giriraj Singh, Union Minister for Fisheries, Animal Husbandry and Dairying, launched the online mobile app “Matsya Setu” on July 6, 2021. The app was developed by the ICAR-Central Institute of Freshwater Aquaculture (ICAR-CIFA), Bhubaneswar, with the funding support of NFDB, Hyderabad. The app aims to disseminate the latest freshwater aquaculture technologies to the aqua farmers of the country. Matsya Setu app has species-wise and subject-wise self-learning online course modules, where renowned aquaculture experts explain the basic concepts and practical demonstrations on breeding, seed production and grow out culture of commercially important fish viz., carp, catfish, scampi, murrel, ornamental fish, pearl oyster etc. Better Management Practices (BMP) to

be followed in maintaining the soil and water quality, feeding and health management in aquaculture operations etc. are also provided in the platform. The App has been installed by 28,196 users till date. At present, the App is available in English and Hindi. Translation to Hindi, Marathi, Telugu, Tamil, and Bengali is in progress for in selected modules.



*Virtual launch of Matsya Setu App by the hon'ble Union minister for Fisheries, Animal Husbandry and Dairying on July 6, 2021*

#### **2.4.2 NATIONAL FISH FARMERS DAY 2021**

NFDB organized the National Fish Farmers Day celebrations through virtual mode on July 10, 2021. During this event, Shri. Parshottam Rupala, Hon'ble Union Minister for Fisheries, Animal Husbandry and Dairying graced the occasion as the Chief guest and Dr. L. Murugan, Hon'ble Minister of State for Fisheries, Animal Husbandry and Dairying graced the occasion as the Guest of Honour. They interacted with the participants. The Jingles on



*National Fish Farmers Day celebrations through virtual mode on July 10, 2021*

Domestic Fish Consumption were launched and the winners of the tagline contest on Domestic Fish Consumption were announced during the program.

### **2.4.3 WORLD FISHERIES DAY 2021**

The Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying celebrated the World Fisheries Day at Rail Auditorium, Mancheswar, Bhubaneswar, Odisha on November 21, 2021. NFDB in coordination with the Department of Fisheries organized the event.

The Hon'ble Union Minister for Fisheries, Animal Husbandry and Dairying, Shri. Parshottam Rupala, and the Hon'ble Minister of State for Fisheries, Animal Husbandry and Dairying Dr. L. Murugan graced the occasion as the Chief Guest and the Guest of Honour respectively and inaugurated the World Fisheries Day-2021 celebration. Shri. Jatindra Nath Swain, Secretary, Fisheries, Dr. C. Suvarana, Chief Executive, NFDB, Shri. Sagar Mehra, Joint Secretary (Fisheries), Government of India, and Shri. R. Raghu Prasad, Commissioner and Secretary, Government of Odisha attended the occasion. In addition, the program was also attended by the senior officials of the Government of India and Government of Odisha and various States' officers of the Department of Fisheries and other relevant Departments/ Ministries, Scientists, Fish-farmers, fishermen, entrepreneurs, stakeholders, professionals, etc.

During the event, for the second time, the Government of India awarded the best performing States under the categories "Inland", "Marine", "Hilly and North-eastern region", the Best District under the categories "Inland", "Marine", "Hilly and North-eastern region" and the best Quasi Government Organization/ Federation/ Corporation/ Board under the categories "Inland", "Marine", "Hilly and North-eastern region" in fisheries sector for the FY 2020-21. Besides these, awards were presented to the Best Fish Farmer (Inland, Marine and Hilly and NE Region), the Best Hatchery (Fish, shrimp, and Trout Hatchery), the Best Fisheries Enterprises, the Best Fisheries Co-operative societies/ FPOs/ SHGs, the Best Individual Entrepreneur, and the Best Innovation Idea/ Technology Infusion.



Later, the ministers and the delegates visited the exhibition stalls put up by the NFDB, Institutes and Entrepreneurs at the venue. Various posters and jingles on domestic fish consumption were released during the event. Technical sessions were held by the Scientists from ICAR-CIFA in the afternoon session. The entire event was telecasted live through social media platforms for wider reach.



*Glimpses of World Fisheries Day-2021  
at Odisha on November 21, 2021*



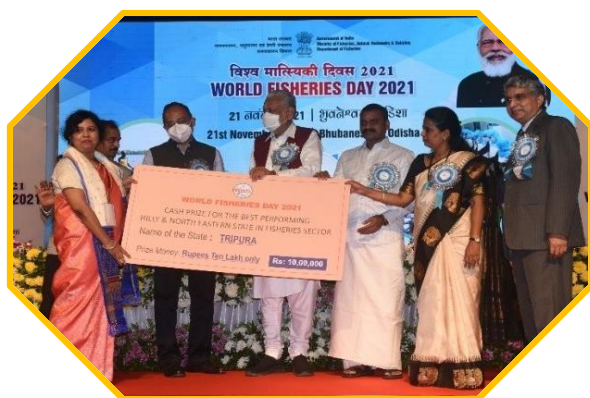
### List of the Awardees under different Categories



**Andhra Pradesh - Best Marine State**  
**Award Price - Rs. 10.00 lakh**



**Telangana - Best Inland State**  
**Award Price - Rs. 10.00 lakh**



**Tripura -  
Best Hilly & North Eastern State  
Award Price - Rs.10.00 lakh**



**Kerala State Cooperative Federation for Fisheries  
Development Limited (Matsyafed), Kerala -  
Best Marine Quasi-Government Organization  
Award Price - Rs. 10.0 lakh**



**Uttar Pradesh Matsya Jivi Sahakari Sangh Ltd. -  
Best Inland Quasi-Government Organisation  
(Award Price - Rs. 5.0 lakh)**



**Balasore, Odisha - Best Marine District  
(Award Price - Rs. 3.0 lakh)**



**Balghat District, Madhya Pradesh -  
Best Inland District  
(Award Price - Rs. 3.0 lakh)**



**Bongaigaon District, Assam-  
Best Hilly & North Eastern District  
(Award Price - Rs. 3.0 lakh)**





**Bongaigaon District, Assam -  
Best Hilly & North Eastern District  
(Award Prize - Rs. 3.0 lakh)**



**M/s. Anmol Feeds Pvt Ltd.  
Howrah District, West Bengal -  
Best Fisheries Enterprises-Private Limited  
(Award Prize - Rs. 2.0 lakh)**



**M/s. Agarwal Trading Co., Raipur District,  
Chhattisgarh -  
Best Fisheries Enterprises-Partnership Firm  
(Award Prize - Rs. 2.0 lakh)**



**Shri G. Bhupesh Reddy, Bhavi Aqua & Fish  
Farmer Producer Organisation  
Nellore District, A.P. - Best FFPO  
(Award Prize - Rs. 2.0 lakh)**



**Kalong-Kapili Co-operative Society Ltd. -  
Best Fisheries Enterprise- Co-operative  
(Award Prize - Rs. 2.0 lakh)**



**Shri. Rajnish Kumar, PVR AQUA Culture  
Ghaziabad District, U.P. -  
Best Individual Entrepreneur  
(Award Prize - Rs. 1.0 lakh)**





**Smt M. Anitha,  
Aurofish Puducherry -  
Best Innovation/ Technology Infusion  
(Award Prize - Rs. 1.0 lakh)**



**Dr. Manoj M Sharma,  
Mayanak Aqua Products, Gujarat -  
Best Innovation/ Technology Infusion  
(Award Prize - Rs. 1.0 lakh)**



**Shri. L. Vijaykumar Reddy,  
Nellore District, A.P. -  
Best Fish Farmer (Marine State)  
(Award Prize - Rs. 2.0 lakh)**



**Shri. MD Asif Siddiqui, M/s A Q Fisheries  
Barabanki District, U.P. -  
Best Fish Farmer (Inland State)  
(Award Prize - Rs. 2.0 lakh)**



**Shri. Anup Kumar Sarmah,  
Mahabahu Fisheries, Assam -  
Best Fish Farmer (Hilly & North Eastern State)  
(Award Prize - Rs. 2.0 lakh)**



**Shri. Venkataramana, MSR Aqua Pvt Ltd.,  
East Godavari District, A.P. -  
Best Marine Finfish Hatchery  
(Award Prize - Rs. 2.0 lakh)**



*Shri. Sapan Kumar Patra  
Sapan Fish Seeds Farm, Odisha -  
Best Fish Hatchery  
(Award Prize - Rs. 2.0 lakh)*



*Shri. P Verabadhra Kumar  
Srinidhi Biotechnologies, A.P. -  
Best Shrimp Hatchery  
(Award Prize - Rs. 2.0 lakh)*

### **Hindi Pakhwada Celebrations:**

NFDB celebrated Hindi Diwas on September 14, 2021. All the officers and staff participated in the celebration of Hindi Diwas and spoke about the importance of Hindi as Rashtra Basha and on the usage of Hindi in official correspondence.

### **Rastriya Ekta Diwas/ National Unity Day:**

NFDB organized Rashtriya Ekta Diwas on October 31, 2021 through video conference. All the officers and staff participated and pledged to re-affirm the inherent strength and resilience of the people to withstand threats to the security, unity, and integrity of the country.

### **Constitution Day:**

NFDB organized Constitution Day celebration on November 26, 2021. All the officers and staff read the Preamble of the Constitution along with the Hon'ble President.

### **Vigilance Awareness Week - October 26 to November 1, 2021**

NFDB observed Vigilance Awareness Week from October 26 to November 1, 2021 with the theme 'Independent India @ 75: Self Reliance with Integrity'. The "Integrity pledge" was taken on October 26, 2021 by the officers and staff of the organization. A display of poster on "Complaints under PIDPI (Public Interest Disclosure and Protection of Informers)" was arranged as part of the campaign to spread awareness about complaints under PIDPI.



## Swachhta Pakhwada

NFDB conducted Swachhta Pakhwada, a campaign from December 16, 2021 to December 30, 2021. The Swachhata pledge was taken on December 22, 2021. The cleaning of the premises of NFDB, cleanliness drive cum awareness programme at



*Swachhta Pakhwada, a campaign at NFDB*

Betkuchi wholesale fish market, Guwahati, and cleanliness drive in Lingipur fish market, Bhubaneswar were organized as part of the week.

## Visit of the Hon'ble Minister of State for Fisheries, Animal Husbandry and Dairying to NFDB on October 24, 2021

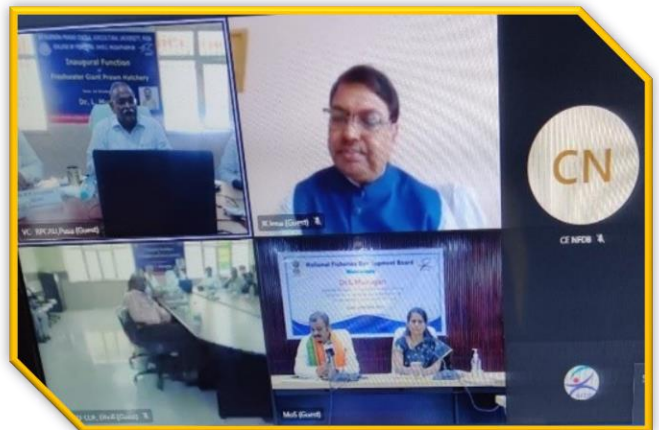
Dr. L. Murugan, Hon'ble Minister of State for Fisheries, Animal Husbandry and Dairying and Information and Broadcasting visited NFDB, Hyderabad on October 24, 2021 and reviewed the activities of the Board. During the occasion, the Hon'ble minister launched the Giant Freshwater Prawn Hatchery established at College of Fisheries, Dr Rajendra Prasad Central Agricultural University (RPCAU), Dholi, Bihar virtually. The hatchery was established with the financial assistance from NFDB under the project title "Demonstration of seed production technology of giant freshwater prawn/ scampi in Bihar". The Minister also launched two Jingles in Hindi on PMMSY for popularizing the scheme among fishers, fish farmers and other stakeholders and a brochure and leaflets in 10 vernacular languages on Fisheries and Aquaculture Infrastructure Development Fund (FIDF) created by NFDB. The winners of Recipe competition organized by NFDB in connection to Poshan Maah-2021 were felicitated during the event.



*Review of NFDB activities by the Hon'ble MoS*



*Virtual Inauguration of giant freshwater prawn hatchery at RPCAU, Dholi*



*Release of FIDF Brochures*



*Award felicitation to the winners of  
the Recipe competition*



*Winners of Recipe competition*

#### 2.4.4 AQUATIC QUARANTINE FACILITY (AQF) AT CHENNAI

The AQF at Chennai, the first of its kind in the country, established in 2009 plays a key role in ensuring the SPF status of imported broodstock of *Litopenaeus vannamei*, which is essential to mitigate the risks involved in continuous import and to ensure sustenance of *L. vannamei* shrimp culture industry in the country. The AQF gradually expanded phase-wise (4 Phases) over the period of 9 years. Now with the addition of 6 Quarantine cubicles and the supporting infrastructure in Phase-IV, the facility has the annual capacity to accommodate 7,33,400 numbers of imported *L. vannamei* broodstock. The facility is commissioned by the Secretary (Fisheries), GoI on January 10, 2022. MPEDA, Kochi through Rajiv Gandhi Centre for Aquaculture (RGCA) at Sirkali, Tamil Nadu is the Implementing agency for AQF. NFDB and MPEDA-RGCA have mutually agreed to share 2.5% of gross revenue generated by AQF to NFDB by August 31 of every year and signed

the MoU on March 26, 2021. MPEDA-RGCA shared an amount of Rs. 17.88 lakh to NFDB for the FY 2020-21.



*Commissioning of the 6 additional cubicles by the Secretary (Fisheries), GoI on January 10, 2022*

### **3. FISHERIES AND AQUACULTURE INFRASTRUCTURE DEVELOPMENT FUND (FIDF)**

The Government of India has set up a dedicated Fisheries and Aquaculture Infrastructure Development Fund (FIDF) of Rs. 7,522.48 crore comprising of Rs. 5,266.40 crore to be raised by the Nodal Loaning Entities (NLEs), Rs. 1,316.60 crore beneficiaries' contribution and Rs. 939.48 crore budgetary support from the Government of India for a period of 5 years from the FY 2018-19 to the FY 2022-23.

FIDF envisages creation of fisheries infrastructure facilities both in marine and inland fisheries sectors and augment the fish production to achieve the target of 15 million tonnes by 2020 set under the Blue Revolution. NFDB is the Nodal Implementing Agency (NIA) to scrutinize, evaluate and appraise the proposals submitted by Eligible Entities (EEs) and place before Central Approval and Monitoring Committee (CAMC) for approval.

During the FY 2021-22, a total of 21 proposals with the project cost of Rs. 132.46 crore were recommended to CAMC and the same was approved by CAMC. For 20 projects, the loan has been sanctioned by the Nodal Loaning entities. Cumulatively as on March 31, 2022, NFDB received 171 proposals from 21 states and UTs for the total project cost of Rs. 6,228.22 crore. NFDB has recommended 71 proposals to CAMC and 70 proposals were recommended by CAMC and in-principle approval was accorded by DoF for the project cost of Rs. 3,777.53 crore. The Nodal Loaning Entities has sanctioned term loan of Rs. 874.16 crore for 24 proposals and disbursed Rs 376.20 crore.

The FIDF online portal ([www.fidf.in](http://www.fidf.in)) was launched on September 28, 2021. The portal has the facilities like submission of online applications, online scrutiny of applications, the recommendation to CAMC, and the approvals of the proposals online, along with the real-time dashboards for all the stakeholders. MIS with an end-to-end solution is being formulated, and the logins and user manuals have been given. All transactions with respect to the proposals are done through the portal.

The FIDF has been widely publicized through social media platforms viz, Twitter, Facebook, and Instagram. Advertisements through print media platforms in English and other vernacular languages like Hindi, Tamil, Marathi, Oriya, Assamese, Bengali, Gujarati,



and Telugu. NFDB has also conducted webinars with entrepreneurs, fish farmers, State Departmental officials, bankers, NABARD, and NCDC officials to create awareness of the FIDF Scheme.

NFDB entered into the MoU with Punjab National Bank, to extend the financial lending to the beneficiaries on August 5, 2021. This MoU has brought easy access for availing Bank loan from PNB to the private/ individual beneficiaries pan India. The State Bank of India is in the pipeline for the signing of a similar MoU with NFDB.



*Establishment of the fishing harbour at  
Thiruvatriyoorkuppam, Tamil Nadu*



*Establishment of fishing harbour at  
Tharagambadi, Tamil Nadu*



*Construction of fish seed rearing ponds in  
Gadana Dam in Tirunelveli District*



*Farm and construction of training centre at  
Authur in Chengalpattu District  
(Project Cost: Rs. 5 Crore)*

## 4. NFDB REGIONAL CENTRES

### 4.1 NFDB EASTERN REGIONAL CENTRE, BHUBANESWAR

#### 4.1.1 INTRODUCTION

With the aim to supply quality fish seed to the fish farmers across the country, Government of India established India's first fish brood bank as the National Freshwater Fish Brood Bank (NFFBB) at Kausalyaganga, Bhubaneswar, Odisha in the year 2013. To enhance production and to increase the productivity in inland fisheries sector, the culture of genetically improved fish strains (GIFS) along with a few non-genetically improved fish strains (Non-GIFS) is undertaken at NFFBB. With this activity, NFFBB started supplying fish seed at free of cost to the Government hatcheries in the initial stage. Later to meet the recurring cost, NFFBB has been selling the fish seed and brooder at a reasonable price to the Government and private hatcheries and seed grower units as well. In addition to the production and distribution of quality seed and brooder, NFFBB also acts as a technology dissemination centre to disseminate breeding technologies, and for extension and outreach programs on the importance of quality seed and GIFS.

NFFBB centre was later renamed as NFDB- Eastern Regional Centre due to its diversified activity viz., monitoring of PMMSY projects, AOCs and other NFDB projects sanctioned to the three eastern states, viz. Odisha, Chhattisgarh, and West Bengal.

#### 4.1.2 TECHNOLOGY PROVIDER/ PARTNER

**ICAR-CIFA-** The genetically improved varieties of rohu, catla and giant freshwater prawn such as "Jayanti rohu", "improved catla" and "GI scampi" respectively were developed by ICAR-CIFA, Odisha.

**KVAFSU-** "Amur common carp", a Hungarian common carp strain was developed by KVAFSU, Karnataka.

#### 4.1.3 NFFBB ACTIVITIES:

During the FY 2021-22, the major activities carried out at NFFBB are briefed as the following.

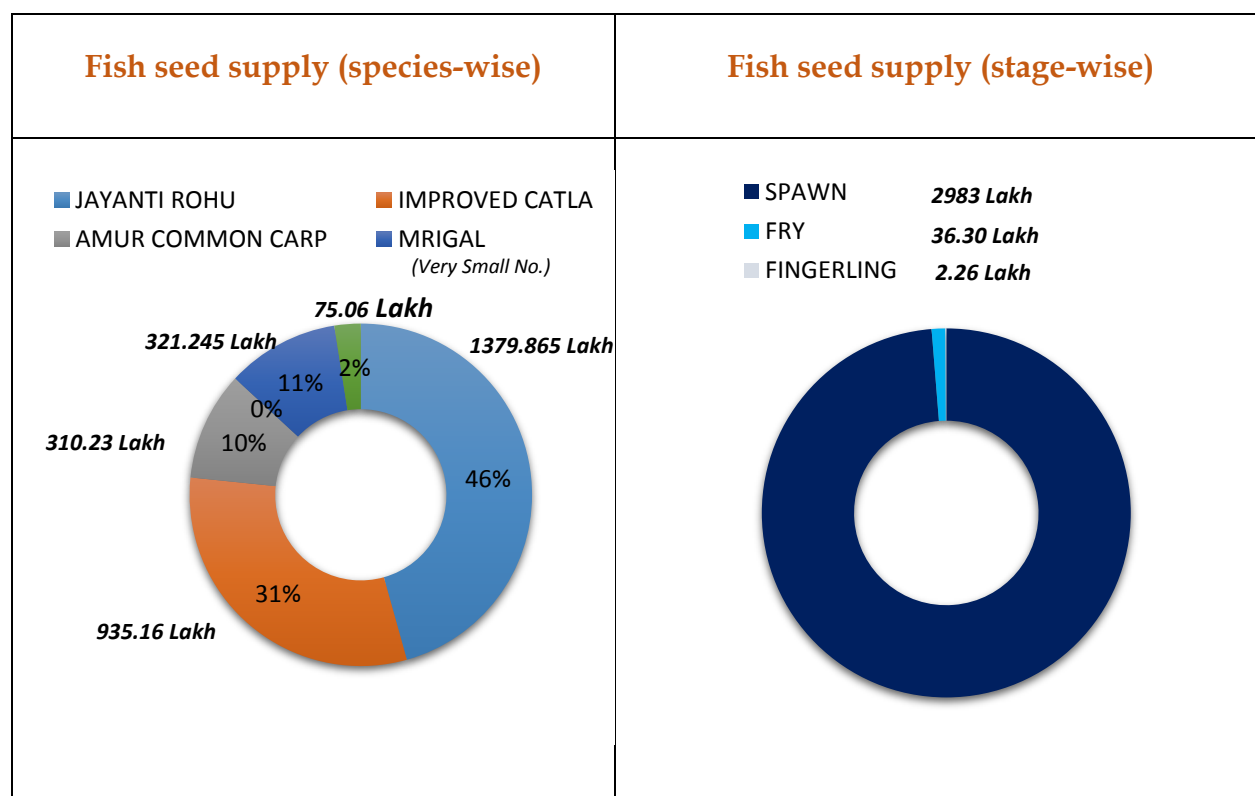


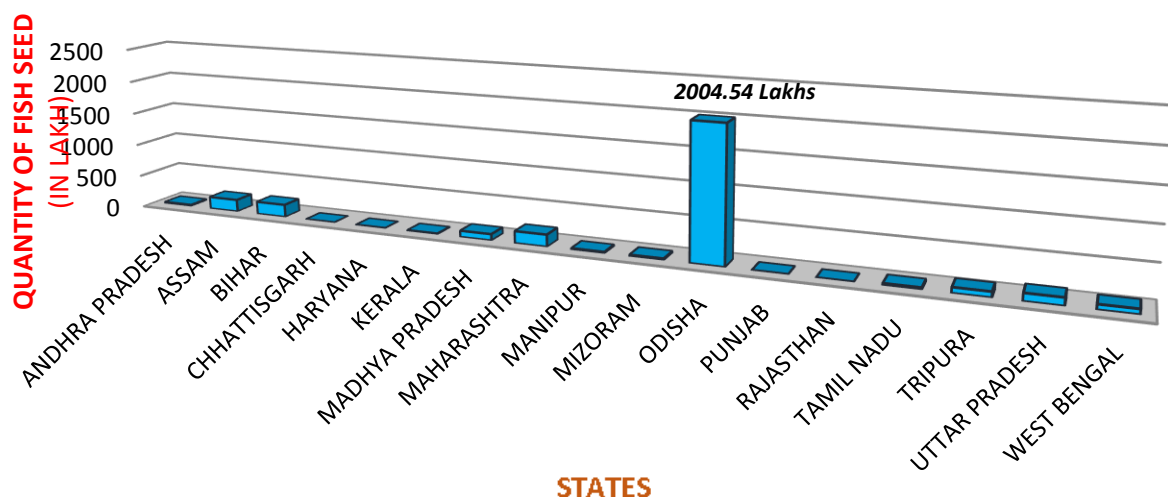
- ❖ Distribution of fish seed and revenue generation
- ❖ Sale of brood fish and revenue generation
- ❖ Infrastructure development at NFFBB
- ❖ Networking of hatcheries and fish seed grower unit
- ❖ Extension activities

#### 4.1.4 DISTRIBUTION OF FISH SEED AND REVENUE GENERATION

The quantity of seed supply and revenue generation is increasing year by year. During the FY 2021-22, the production and distribution of fish seed by NFFBB was 30.22 crore and the revenue generated out of the sale was Rs. 59.05 lakh. The breeder seed and quality seed were distributed at different stages such as spawn, fry, and fingerlings. The hatcheries and seed grower units of 17 states are benefitted by procuring fish seed from NFFBB during the FY 2021-22. The network hatcheries and seed grower units registered by NFFBB are included among these beneficiaries.

The graphical representation of fish seed supply (species-wise, fish stage-wise and state-wise) for the FY 2021-22 is given below.

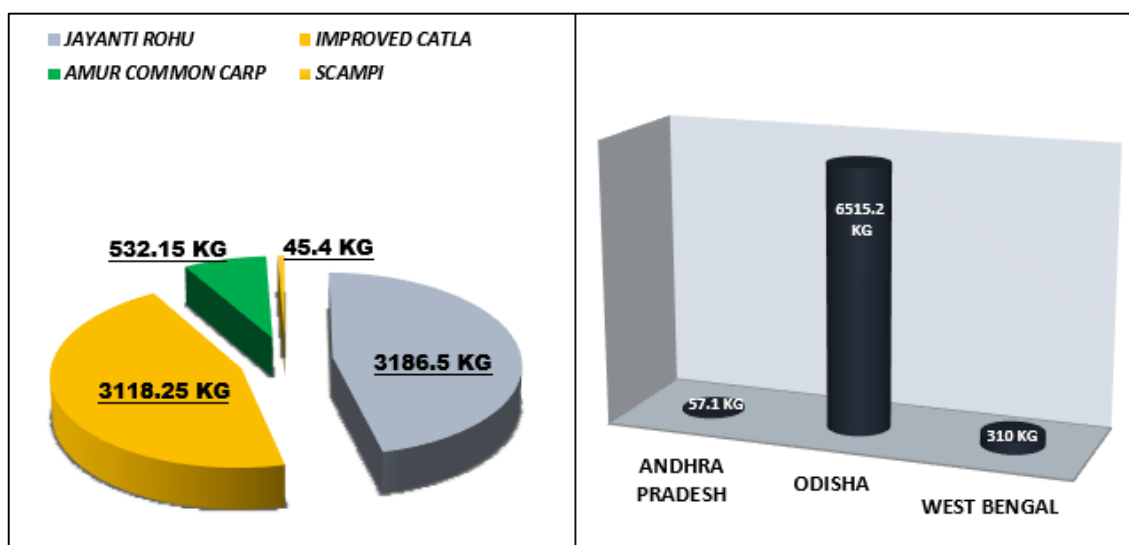




**Fish seed supply (state- wise)**

#### 4.1.5 SALE OF BROODERS AND REVENUE GENERATION

To meet the challenge of quality seed supply to the farmers across the country, NFFBB supplies brooders (fish and scampi) to the hatcheries including NFFBB- Network hatcheries. A total of 6882.3 kg brooders were sold to three states; Andhra Pradesh, Odisha, and West Bengal. The NFFBB earned the revenue of Rs. 10.13 lakh during the FY 2021-22. The graphical representation of brooder supply (species-wise and state-wise) of the FY 2021-22 is given below.



#### 4.1.6 INFRASTRUCTURE DEVELOPMENT AT NFFBB

In recent years, the demand for quality seed is increasing. To meet the increased demand for quality fish seed all over the country, NFFBB expanded its multiplication centre (hatchery unit). The existing IMC hatchery unit was with two breeding pools, six hatching (incubation) pools and one overhead tank. During the FY 2021-22, four additional incubation pools along with one overhead tank were constructed at NFFBB multiplication centre to cater need of diversified species to the stake holders.

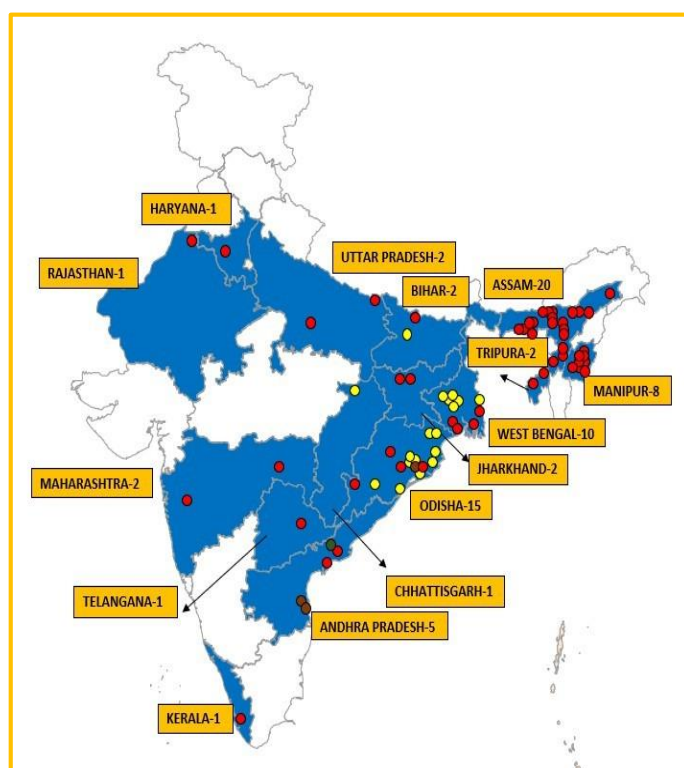
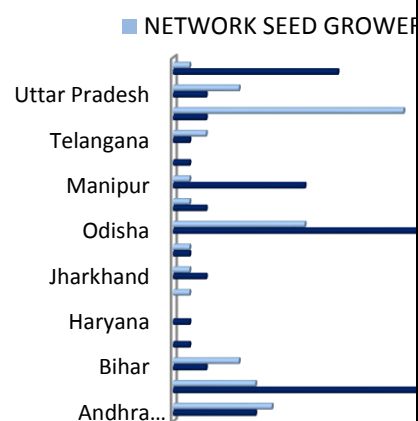
#### 4.1.7 NETWORKING OF HATCHERIES AND SEED GROWERS

In the FY 2018-19, NFFBB started networking program by enrolling 18 hatcheries located in four States i.e., Odisha, West Bengal, Bihar and Chhattisgarh. With the aim of pan India level network hatcheries and seed grower units, NFFBB invited applications in the FY 2020-21 from the potential hatcheries and fish seed growers of different states in the country for the registration with NFFBB. The pan India reach of Network hatcheries and seed growers favours availability of quality seed of Genetically Improved Fish Species (GIFS) at every nook and corner of the country. During the FY 2021-22, 69 hatcheries (including 14 existing network hatcheries) have come forward to enrol with the NFFBB. Similarly, 49 fish seed grower units have shown keen interest in the said networking program and submitted applications for enrolment with NFFBB. Altogether, 69 hatcheries have registered with NFFBB and became Network hatcheries by signing a robust service level agreement. The State-wise no. of Network hatcheries and seed growers is shown in the table below.

#### State-wise distribution of network hatchery and seed grower

S. N.	State	Hatchery		Seed grower
		New	Existing*	
1	Andhra Pradesh	5		6
2	Assam	20		5
3	Bihar	1+1*		4
4	Chhattisgarh		1	
5	Haryana	1		
6	Himachal Pradesh			1

7	Jharkhand	2		1
8	Kerala	1		1
9	Odisha	5+10*		8
10	Maharashtra	2		1
11	Manipur	8		1
12	Rajasthan	1		
13	Telangana	1		2
14	Tripura	2		14
15	Uttar Pradesh	2		4
16	West Bengal	4+3*	3	1
<b>TOTAL</b>		<b>55 + 14*</b>	<b>4</b>	<b>49</b>
* Existing Network Hatchery (14+4+18)				



- Newly Registered Network Hatchery- 51 carp hatcheries (Enrolled in the FY 2021-22)
- Newly Registered Network Hatchery- 4 scampi hatcheries (Enrolled in the FY 2021-22)
- Existing Network Hatchery (Enrolled in 2018-19) - 18. (Out of these, 14 completed fresh registrations in the FY 2021-22 & registration of remaining 4 is valid up to the FY 2021-22)

### Graphical representation of NFFBB network hatcheries

#### 4.1.8 EXTENSION ACTIVITIES

The dissemination of knowledge on breeding technologies, broodstock management, quality seed production, importance of GIFS and their culture practices, fishery schemes of GoI, etc. falls under the mandate of NFFBB. Keeping in view of this, NFFBB conducts training and awareness programs, workshops, and orientation programs in regular intervals. In the first half of the FY 2021-22, due to COVID-19 constraints NFFBB

conducted a series of webinars. The physical trainings (including workshops) were organised later after the COVID-19 protocol relaxation. the details are listed as follows.

S. N.	Name of program	Date of program	Participant details
<b>WEBINARS</b>			
1	On "Broodstock Management of Genetically Improved Fish Species (GIFS)"	May 23, 2021	123 participants
2	On "PMMSY and Promotion of Quality Seed"	June 30, 2021	150 participants
3	On "Breeding Protocols of Improved Varieties of Fish"	July 7, 2021	135 participants
4	On "Nursery Pond Management and Production of Quality Seed"	July 24, 2021	127 participants
5	On "GIFS Dissemination and Promulgation and Stock Manipulation"	September 16, 2021	118 participants of hatchery operators, seed growers and grow out farmers, students and faculty of the Centurion University of Technology and Management, Bhubaneswar attended the program.
<b>ONE DAY WORKSHOP</b>			
1	On Freshwater Aquaculture in Village Tanks for Livelihood Support- organized at Brahmagiri, Puri	January 8, 2022	Around 125 Fish farmers and seed growers participated in the workshop.
2	On "Promulgation and Dissemination of Genetically Improved Fish Species"- organized at Sri Gundicha Hatchery Complex (NFFBB-Network Hatchery),	February 27, 2022	More than 60 participants attended the One-day workshop.



	Tebudu village, Angul district, Odisha		
3	On “Better Management Practices for Higher Fish Production in Backyard Ponds”- organized at Duba Fish Farm, Jagannath Prasad, Ganjam district of Odisha	March 20, 2022	More than 145 participants attended the One-day workshop.

### THREE DAYS SKILL DEVELOPMENT TRAINING

1	Three days awareness and training program on “Culture of Genetically Improved Variety Fishes for Higher Production” was organized at <i>Sakhigopal, Puri</i>	December 15-17, 2021	50 SHG Women of Scheduled Caste community participated in the training.
2	On “Adoption of Scientific Fish culture in GP tanks”- conducted at Narda, Khordha, Odisha	March 15-17, 2022	50 SHG Women of Scheduled Caste community participated in the training.

### FIVE DAYS SKILL DEVELOPMENT TRAINING

1	Five days awareness and training program on “Recent Trends and Advances in Fw Aquaculture Practices in India” (sponsored by MANAGE) was organized at NFFBB, Kausalyaganga, Bhubaneswar	December 20-24, 2021	30 Youth belonging to the Scheduled Caste community of Khordha and Puri districts participated in the program.
2	Five days awareness and training program on “Advances in Fw Aquaculture Practices of India” was organized at Sakhigopal, Puri	December 27-31, 2021	30 Youth belonging to Scheduled caste community of Sakhigopal block, Puri dist. participated in the program.
3	On “Genetically Improved Fish Species culture in village ponds”- conducted at NFFBB Campus,	March 8-12, 2022	30 Youth from Scheduled caste community participated in the program.

	Kausalyaganga, Bhubaneswar		
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### **Celebration of “Poshan Maah – 2021”**

- ❖ During “POSHAN MAAH- 2021”, a one-day awareness program on “Inclusion of Fish in Daily Diet for Improving Food and Nutrition Security” was organised on September 29, 2021.
- ❖ Around 130 participants including Anganwadi and ASHA workers from Khordha and Puri District attended the program.

### **AKAM (Azadi Ka Amrit Mahotsav) celebrations**

- ❖ In commemoration of Azadi Ka Amrit Mahotsav (75th Year of Independence), a one-day workshop on “Production and Dissemination of quality seed for the benefit of the Network Hatchery operators” was organized on December 22, 2021.
- ❖ Around 125 Fish farmers, hatchery operators, seed growers, SHG women and youth attended the program.

### **Swachhta pakhwada**

- ❖ Swachhta Pakhwada was organized by NFFBB at Lingipur Fish Market, Bhubaneswar on December 31, 2021.
- ❖ The market was cleaned, and the dustbins were distributed to the fish vendors to keep the environment clean and green.

### **Dignitaries’ visit to NFFBB**

- ❖ Shri. Jatindra Nath Swain, IAS, Secretary (Fisheries), Department of Fisheries, Government of India, along with Shri. R. Raghu Prasad, IFS, Principal Secretary cum Commissioner of Fisheries, Government of Odisha, Dr. Smruti Ranjan Pradhan, IAS, Director of Fisheries, Government of Odisha, Senior officials of Department of Fisheries, Government of Odisha, and Dr. J. K. Sundaray, and Head of the Department, Fish Genetics Division, ICAR-CIFA visited the NFDB-ERC on January 22, 2022.
- ❖ The Union Secretary (Fisheries) reviewed the progress made by NFFBB and suggested for establishment of scampi brood bank and hatchery including the strengthening of infrastructure.



*Handing over of Network hatchery registration certificate to the Network hatchery owner*



*Webinar by NFFBB-ERC*



*Skill development training program to SC Beneficiaries*





*Poshan Maah at NFFBB- ERC on September 29, 2021*



*AKAM Celebration at NFFBB- ERC on December 22, 2021*



*Cleaning of campus and distribution of dustbins to fish vendors by NFFBB-ERC, Bhubaneswar*



*Shri. Jatindra Nath Swain, IAS, Secretary (Department of Fisheries, Government of India) visited NFFBB-ERC on January 22, 2022 and reviewed the progress.*

## 4.2 NFDB-NORTH EASTERN REGIONAL CENTRE (PROJECT IMPLEMENTED)

### 4.2.1 ESTABLISHMENT OF BREEDING UNITS FOR LOCALLY IMPORTANT FISH SPECIES OF NE REGION

During the FY 2020-21, NFDB sanctioned 18 projects (12 large and 6 small) on “Establishment of Breeding Units for Locally Important Fish species of North East India” specifically for establishing breeding and seed production units of locally important species like magur, singhi, pabda, murrel, panga, anabas, etc. across the eight North Eastern States. The Board released the subsidy amount of Rs. 49.80 lakh to the DoF of respective States which the States have released to the beneficiaries. The construction of 5 units have been completed at Tripura and are under operation. The construction of units at Assam (6 Nos.), Manipur (5 Nos.) and Nagaland (2 Nos.) are in progress and on the verge of completion. Following is state wise break-up details:

S. No.	State	Category: G/ST/SC/W	(Amount Rs. in lakh)		
			Total Project Cost	NFDB subsidy as CS	Released C
1	Assam	3/0/2/1	32.00	16.00	16.00
2	Manipur	2/0/1/2	30.00	15.20	15.20
3	Nagaland	0/2/0/0	9.00	5.40	5.40
4	Tripura	2/1/2/0	25.00	13.20	13.20





*Ongoing construction at Assam*



*Constructed unit at Tripura*



*Ongoing construction at Manipur*



*Ongoing construction at Nagaland*

Under the same scheme, during the FY 2021-22, NFDB also sanctioned the total project cost of Rs. 119.00 lakh with the NFDB subsidy of Rs. 64.40 lakh for 17 farmers (5 General, 2 SC, 8 ST, 2 Women) and released Rs. 32.20 lakh to the Directorate of Fisheries of the respective States as the first instalment. The beneficiaries are from Assam (5), Meghalaya (2), Sikkim (3) and Tripura (7). All the units are under construction. Following are state wise break-up details:

S. No.	State	Category: G/ST/SC/W	(Amount Rs. in lakh)		
			Total Project Cost	NFDB subsidy as CS	Released 1 <sup>st</sup> instalment
1	Assam	2/1/1/1	35.00	18.2	9.10
2	Meghalaya	0/2/0/0	14.00	8.40	4.20
3	Sikkim	0/3/0/0	21.00	12.60	6.30
4	Tripura	3/2/1/1	49.00	25.20	12.60

#### 4.2.2 PILOT PROJECT ON ORNAMENTAL FISHERIES AT ASSAM

NFDB has implemented the “NFDB pilot project on Ornamental Fisheries” sanctioned to the department of Assam during the FY 2017-18 for the total project cost of Rs. 400.50 lakh of which NFDB’s share was Rs. 274.51 lakh. The project was taken up by 38 women from 3 women Self-Help Groups facilitated by the Guwahati University. The activities of the project were carried forward to the FY 2021-22. The Department of Fisheries, Government of Assam furnished the complete utilisation report of the project to NFDB.



*NFDB funded ornamental fish projects in Assam*

#### 4.2.3 PADDY-CUM-FISH CULTURE IN 14 DISTRICTS OF ARUNACHAL PRADESH

NFDB sanctioned the total project cost of Rs. 29.70 lakh and released NFDB’s share of Rs. 26.136 lakh to the Director of Fisheries, Government of Arunachal Pradesh for the

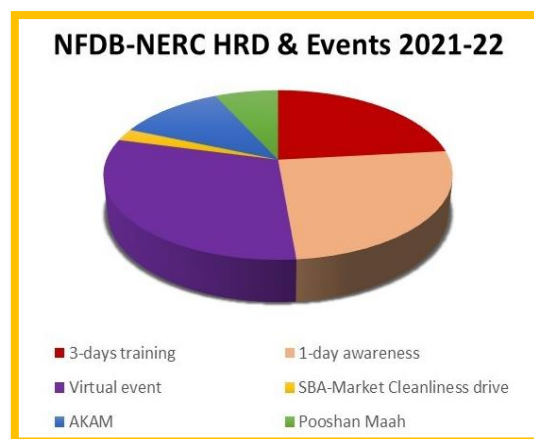


*Paddy cum fish culture at Arunachal Pradesh under NFDB-funded project*

implementation of the project “Paddy cum fish culture in 44 ha area” at 15 different locations of Arunachal Pradesh. The project involved 87 farmer beneficiaries including 28 women from 14 districts of the State. The project was brought to closure in 2021-22 with the receipt of the utilization certificate and completion report from the Department of Fisheries, Government of Arunachal Pradesh.

#### 4.2.4 TRAINING, AWARENESS, SKILL DEVELOPMENT, AND OUTREACH PROGRAMS

The NERC, Guwahati has been playing a pivotal role in conducting training and awareness programs, especially to the SC/ ST farmers across the region. During the FY 2021-22, the Centre reached out to about 2,146 participants through both physical and virtual programs including fish market cleaning under Swachhta Bharat Abhiyan.



#### 4.2.5 THREE-DAY TRAINING PROGRAMS ORGANIZED BY NERC

During the FY 2021-22, the regional centre conducted 10 training programs of three-day at Morigaon, Dhemaji, Darrang, Nalbari, Kamrup (Rural and Metro), Sonitpur, Udalgudi, Jorhat, and Dhubri and reached out



*Ongoing training program*



*Exposure visits during the program*

to 500 SC farmers. The topics such as beel fishery management, cage and pen culture, composite fish culture and various scientific fish farming practices and technologies were discussed in the program.



#### 4.2.6 ONE-DAY AWARENESS PROGRAMS ORGANIZED BY NERC

During the FY 2021-22, NERC-Guwahati conducted 10 one-day awareness programs in Arunachal Pradesh and Manipur in collaboration with KVK and Senapati District Agriculture Society (SDAS) and reached out to 543 tribal farmers, youth, students and entrepreneurs (158 participants at East Siang, Upper Siang, and Lohit of Arunachal Pradesh for and 385 participants at Makhan, Daili, Lakhamai, Purul, Khongdei and Koide of Manipur). The one-day events comprise of awareness on PMMSY, FIDF and NFDB-Entrepreneurship model schemes, integrated fish farming techniques, composite fish culture, breeding and seed production.



*One-day awareness program at Arunachal Pradesh and Manipur*

#### 4.2.7 CLEANLINESS DRIVE IN FISH MARKET UNDER SWACHHTA PAKHWADA

NERC-Guwahati conducted a one-day cleanliness drive cum awareness program on 30<sup>th</sup> December 2021 at Betkuchi Wholesale Fish Market, Guwahati to observe Swachhta Pakhwada. The officials from NFDB-NERC, Guwahati and FISHFED, Assam, Members of Market Management Committee and about 50 fish traders and vendors attended the market cleaning drive. The cleaning materials such as waste collection bins, brooms etc. were distributed to the vendors.





*Cleaning the Betkuchi fish market and distribution of waste bins*

#### 4.2.8 OBSERVING AZADI KA AMRIT MAHOTSAV (AKAM)



*Observing AKAM at College of Fisheries, AAU-Raha*

NERC-Guwahati observed Azadi Ka Amrit Mahotsav (AKAM) by conducting an awareness program on fisheries under PMMSY for School/ College students on 21<sup>st</sup> December 2021 at College of Fisheries, AAU, Raha, Nagaon, Assam. About 250 students from different Schools and Colleges attended the program. The students were taken for exposure visits to different fish farms and ornamental fish rearing units.

#### 4.2.9 OBSERVING THE POSHAN MAAH EVENT

NERC-Guwahati observed the Poshan Maah Event for spreading awareness on domestic fish consumption and towards supporting food and nutritional security for the North Eastern states. Due to the restrictions imposed due to the pandemic COVID-19, the program was conducted on a virtual platform on 27<sup>th</sup> September 2021. Nearly 150 people

comprising State Fisheries officials, Women and Child Development Department officials, Anganwadi Workers of ICDS projects, etc. participated in the event



#### 4.2.10 ONE-DAY ONLINE AWARENESS AND TRAINING PROGRAM

During the FY 2021-22, due to the COVID-19 pandemic, conducting physical trainings and awareness programs were restricted. Hence, the centre carried out 7 online programs and trained 653 participants on various trending fish farming practices and technologies such as breeding of small indigenous fish species of North Eastern India, production and management of quality fish seed, integrated fish farming, entrepreneurship development, etc.

#### 4.2.11 EVENTS ATTENDED BY NERC OFFICIALS AS RESOURCE PERSONS

NERC officials attended 12 programs/ events conducted by various agencies/ organizations/ Institutions during the FY 2021-22 and acted as resource persons in 11 programs. They delivered talks on PMMSY/ FIDF and various other technical fisheries and aquaculture development topics.

#### 4.2.12 FIELD VISITS/ INSPECTION FOR PROJECT IMPLEMENTATION AND MONITORING

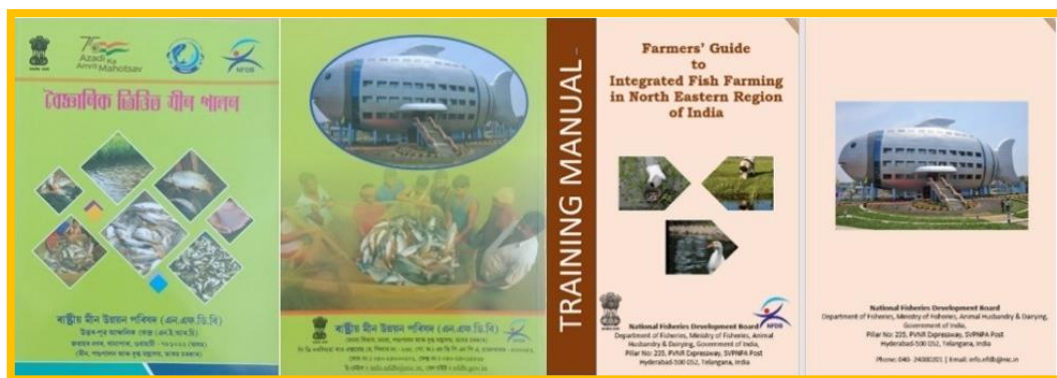
NERC officials inspected the NFDB-funded AOC units at Barpeta and Nagaon districts of Assam and AAHL at the College of Fisheries- CAU, Lembucherra, Tripura, and M/s.



Green Biotech Eco solution Pvt. Ltd. at Manipur. The officials also conducted the pre-feasibility site inspection for the Entrepreneurship projects at Assam, Nagaland, Mizoram, and Arunachal Pradesh. NERC officials visited various NFDB funded projects and PMMSY projects in the 8 NE States during the year.

#### 4.2.13 PUBLICATIONS AND EXTENSION SERVICES

The centre has been continuously supporting the farmers and entrepreneurs visiting the centres physically or through email and telephonic communications on various fisheries and aquaculture technical and schemes related queries, preparation of Detailed Project Report), etc. The two technical officers participated in conducting training and events and delivered technical talks and imparted awareness on financial assistance for the development of the sector. During the FY 2021-22, NERC, Guwahati brought out two training manuals viz Voiganik Bhattit Meen Palon (Assamese) and Integrated Fish Farming (English). The same are used for the trainings being conducted in the region.



## 5. YEAR-WISE BUDGET ALLOCATION

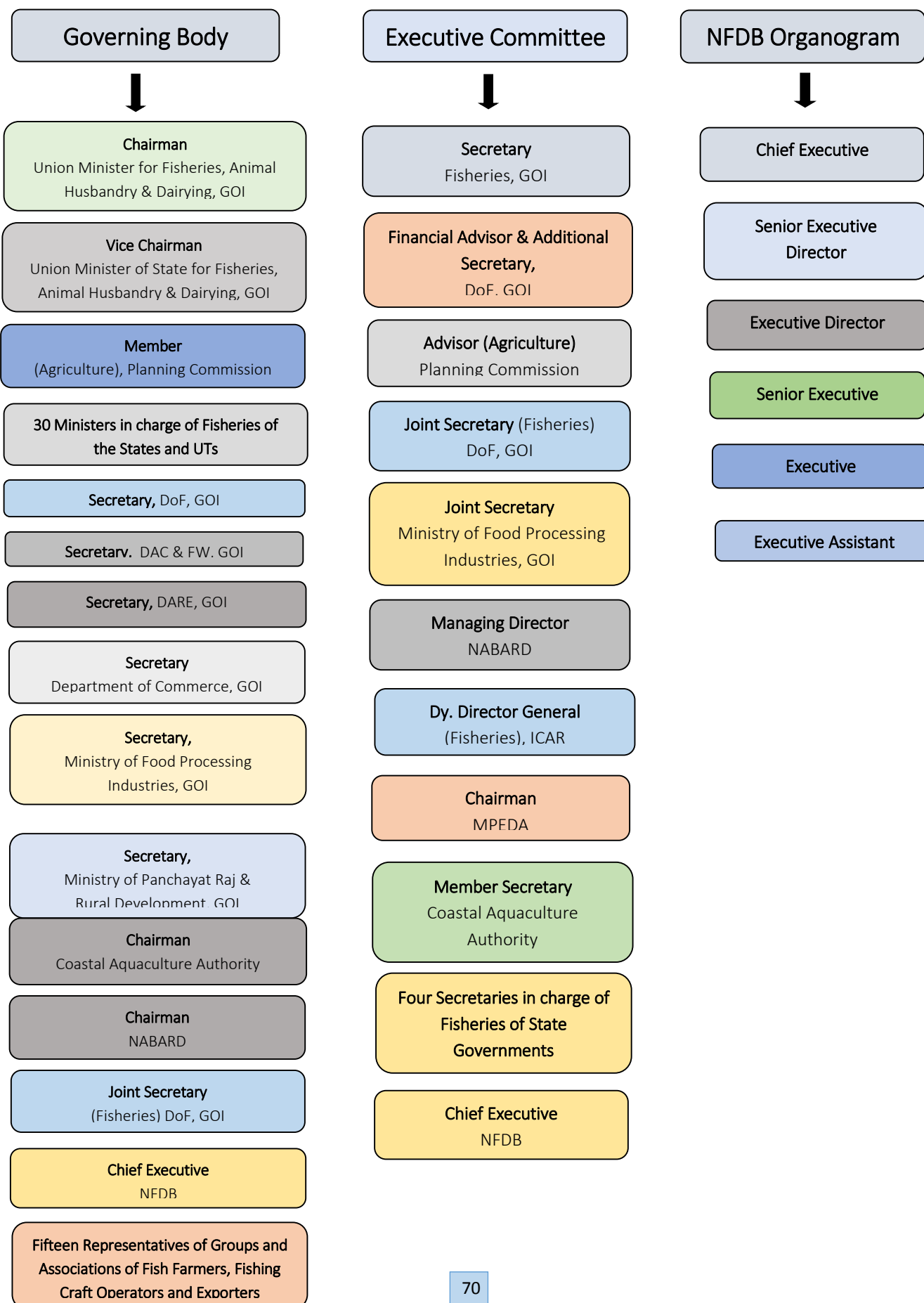
The status of funds received as grants from the Government of India and utilized from the inception of the Board is given below.

Amount Rs. in lakh

Year	Grant Received	Sanctioned Amount	No. of Projects sanctioned
2006-07	3000	259.17	18
2007-08	5000	2,371.23	175
2008-09	4690	7,891.38	150
2009-10	10000	11,230.58	147
2010-11	9230	14,705.80	255
2011-12	10800	19,545.97	279
2012-13	10681	18,484.52	268
2013-14	12416	15,782.78	383
2014-15	13760	6,873.76	445
2015-16	14868	3,395.72	192
2016-17	3239.03	3,902.22	234
2017-18	1600.52	2,315.57	108
2018-19	10261.7	8632.21	260
2019-20	8000.75	8000.75	204
2020-21	8395.00	3475.29	113
2021-22	8498.8	5119.11	252



## 6. ORGANIZATIONAL CHART OF NFDB



## 7. MEMBERS OF THE GOVERNING BODY

1	Minister for Fisheries, Animal Husbandry and Dairying, Government of India (Ex-Officio)	Chairman
2	Minister of State for Fisheries, Animal Husbandry and Dairying, In-charge of Department of Fisheries, Government of India (Ex-Officio)	Vice-Chairman
3	Member (Agriculture), NITI Aayog, Government of India (Ex-Officio)	Member
4-34	Ministers in-charge of Fisheries of all States and Union Territories	Member
35	Secretary, Department of Fisheries, Government of India (Ex-Officio)	Member
36	Secretary, Department of Agriculture and Cooperation, Government of India (Ex-Officio)	Member
37	Secretary, Department of Agriculture Research and Education, Government of India (Ex-Officio)	Member
38	Secretary, Department of Commerce, Government of India (Ex-Officio)	Member
39	Secretary, Ministry of Food Processing Industries, Government of India (Ex-Officio)	Member
40	Secretary, Ministry of Panchayati Raj, Government of India (Ex-Officio)	Member
41	Chairman, Coastal Aquaculture Authority Chennai, Tamil Nadu (Ex-Officio)	Member
42	Chairman, NABARD, Mumbai (Ex-Officio)	Member
43	Joint Secretary, Department of Fisheries, Government of India (Ex-Officio)	Member
44	Chief Executive, NFDB, Hyderabad (Ex-Officio)	Member
45-59	Representatives (to nominate) from groups and associations of fish farmers, Fishing craft operators and exporters	Members

## 8. MEMBERS OF THE EXECUTIVE COMMITTEE

1	Secretary, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Government of India, New Delhi (Ex-Officio)	Chairman
2	Financial Advisor and Additional Secretary, Department of Fisheries, Government of India, New Delhi. (Ex-Officio)	Member
3	Advisor (Agriculture), Planning Commission (Niti Aayog), Government of India, New Delhi. (Ex-Officio)	Member
4	Joint Secretary, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Government of India, New Delhi (Ex-Officio)	Member
5	Joint Secretary, Ministry of Food Processing Industries, Government of India, New Delhi. (Ex-Officio)	Member
6	Managing Director, NABARD, Mumbai. (Ex-Officio)	Member
7	Deputy Director General (Fisheries), ICAR, New Delhi. (Ex-Officio)	Member
8	Chairman, Marine Products Export, Development Authority (MPEDA), Kochi (Ex-Officio)	Member
9	Member Secretary, Coastal Aquaculture Authority Chennai (Ex-Officio)	Member
10-13	Four Secretaries in charge of Fisheries of State Government (Ex-Officio)	Members
14	Chief Executive, NFDB, Hyderabad (Ex-Officio)	Member-Secretary

## 9. NFDB OFFICERS AND STAFF

S.N.	Name	Designation	From	To
1.	Dr. C. Suvarna, IFS	Chief Executive	26.06.2020	Continuing
2.	Dr. L. Narasimha Murthy	Senior Executive Director	22.11.2021	Continuing
3.	Shri. G. Rathinaraj	Executive Director (T)	30.08.2017	05.07.2021
4.	Shri. G. Srinivas	Executive Director (FandA)	22.10.2018	17.12.2021
5.	Shri. Arul Bosco Prakash	Executive Director (Infra)	11.07.2019	Continuing
6.	Shri Vijay Kumar Yaragal	Executive Director (T)	05.10.2020	Continuing
7.	Smt. N. Chandra	Executive Director (T)	06.11.2020	Continuing
8.	Dr Manas Kumar Sinha	Senior Executive (T)	11.10.2017	Continuing
9.	Smt. S. Padmaja	Senior Executive (FandA)	14.03.2018	Continuing
10.	Shri. G. Ramakrishna Rao	Senior Executive (T)	12.04.2018	Continuing
11.	Shri. G.A. Rajkumar	Senior Executive(T)	01.07.2020	Continuing
12.	Shri. P. Chalapati Rao	Senior Executive (T)	11.07.2019	Continuing
13.	Dr. M. Persis	Senior Executive (T)	07.09.2020	Continuing
14.	Dr. N. Rajendra Naik	Senior Executive (T)	18.02.2021	Continuing
15.	Dr. Ramalinga	Senior Executive (T)	01.04.2021	Continuing
16.	Shri Ajit Stalin	Senior Executive (T)	10.05.2021	Continuing
17.	Smt. J. Deepa Suman	Executive (T)	31.07.2008	Continuing
18.	Smt. A.V. Madhuri	Executive (T)	04.07.2008	Continuing
19.	Shri. Amit Bhardwaj	Executive (T)	23.07.2008	Continuing
20.	Shri. Ashim Kumar Borah	Executive (T)	14.07.2008	Continuing
21.	Smt. Smiti Rekha Pati	Executive (T)	12.03.2010	Continuing
22.	Ms. K. Bhargavi	Executive (T)	19.11.2010	Continuing
23.	Shri. A. Mallikharjun	Executive (FandA)	03.05.2016	Continuing
24.	Shri. Vipin Chandra Nautiyal	Executive Assistant (T)	18.05.2016	Continuing
25.	Smt. Sreerenju Hariharan	Executive Assistant (T)	01.08.2016	Continuing
26.	Ms. Dorothy, M.S.	Executive Assistant (T)	12.09.2016	Continuing
27.	Shri. Kapil Parate	Executive Assistant (FandA)	02.07.2018	Continuing
28.	Shri. Dipin, K. M.	Executive Assistant (T)	16.08.2018	Continuing
29.	Smt. Seethalakshmi, S.	Executive Assistant (T)	17.08.2018	Continuing





Phone : 040-23220352  
email : avr242@gmail.com  
avr24@yahoo.com

# A.V. Ratnam & Co., CHARTERED ACCOUNTANTS

180/2 RT, Upstairs, Opp. Vijayanagar Colony Park-2, Vijayanagar Colony, HYDERABAD-500057

## INDEPENDENT AUDITOR'S REPORT

To,  
The Members,  
Governing Body,  
National Fisheries Development Board,  
Hyderabad

### REPORT ON THE FINANCIAL STATEMENTS

#### Opinion

We have audited the accompanying financial statements of **National Fisheries Development Board**, which comprise the Balance Sheet as at March 31, 2022, Income & Expenditure Account and Receipts and Payments Account for the year then ended, and a summary of significant accounting policies and other explanatory information.

#### Responsibility of Management for Financial Statements

The Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of the society in accordance with the accounting standards and accounting principles generally accepted in India as applicable to the societies. This responsibility includes the design, implementation and maintenance of the internal controls relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

#### Auditor's Responsibility for the Audit of the Financial Statements

Our responsibility is to express an opinion on these standalone financial statements based on our audit. We conducted our audit in accordance with the standards on Auditing issued by the Institute of Chartered Accountants of India as applicable to the Societies. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain



**VIJAYAWADA (VUYYURU) :** 203, BLOCK-A, SUBBA LAKSHMI RESIDENCY, KATURU ROAD, NEAR IDBI BANK.

**KAKINADA :** H NO 5-2-43/1,,MAIN ROAD, BESIDE ST ANTHONY SCHOOL,EAST GODAVARI, DISTRICT.

**VISAKHAPATNAM :** FLAT NO TF - 8, 4TH FLOOR, VISWAKALA APARTMENTS, PRASANTHI NAGAR, DOCTORS COLONY, PEDAWALTAIR.

**CHENNAI BRANCH :** D.NO.-10, 2ND FLOOR, DR. ALAGAPPA ROAD, PARASAWALKKAM, CHENNAI-600084

reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and the disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditors consider internal control relevant to the society's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of the accounting estimates made by the Management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on financial statements.

### **Opinion**

In our opinion and to the best of our information and according to the explanations given to us, the financial statements, give a true and fair view in conformity with the accounting principles generally accepted in India:

- a) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- b) Proper books of accounts has been kept by the society as far as appears from our examination of the books
- c) The Balance sheet and Income and expenditure statement deal with by this report comply with the accounting standards issued by the Institute of Chartered Accountants of India to the extent applicable.
- d) In our opinion and to the best of our information and according to the explanations given to us, the financial statements, give a true and fair view in conformity with the accounting principles generally accepted in India:
  - a. In the case of Balance sheet, of the state of affairs of the above National Fisheries Development Board as at March 31, 2022.



b. In the case of Income and Expenditure account Excess of Expenditure over Income of National Fisheries Development Board for the year ended 31st March 2022

c. In the case Receipts and Payments Account, of the receipts and payments for the society ended on that date.

**For A V Ratnam & Co.,**  
Chartered Accountants  
FRN:003028S

  
**(CA G K BABU)**

Partner

M No: 213273

UDIN: 22213273AVBRXT4489

Place: Hyderabad  
Date: 20/09/2022

**A.V. RATNAM & CO.**  
CHARTERED ACCOUNTANTS  
# 180/2 RT, R.R.SADAN,  
VIJAYANAGAR COLONY,  
HYDERABAD-500 057.

**National Fisheries Development Board,  
Fish Building, Opp. to Pillar No 235, PVNR Expressway, SVPNAP, Hyderabad**

**Balance Sheet As At 31.03.2022**

<b>CORPUS/CAPITAL FUND AND LIABILITIES</b>	<b>Schedule No.</b>	<b>As at 31.03.2022</b>	<b>As at 31.03.2021</b>
Corpus/ Capital Fund	1	4992,54,542	44,63,18,248
Reserves and Surplus	2	-680,44,511	-370,18,653
Earmarked Funds	3	20446,54,466	168,09,05,618
Current Liabilities And Provisions	4	309,59,610	1,90,63,926
<b>Total</b>		<b>25068,24,106</b>	<b>21092,69,139</b>
<b>ASSETS</b>			
Fixed Assets	5	3827,70,916	37,08,65,716
Investments-From Earmarked Funds			-
Investments-Others	6	155,20,000	1,55,20,000
Current Assets, Loans, Advances	7 & 8	21085,33,190	172,28,83,423
<b>Total</b>		<b>25068,24,106</b>	<b>21092,69,139</b>
Significant Accounting Policies			
Contingent Liabilities And Notes on Accounts			

Schedule 1 to 26 are annexed to and forms an integral part of the Balance Sheet as at 31.03.2022 and the Income and Expenditure Account for the year ended on that date.

For A V Ratnam & Co.,  
Chartered Accountants  
FRN: 0030285



CA G K Babu

Partner

MNo.213273

Place: Hyderabad

Date: 20/09/2022

UDIN: 22213273AVBRXT4489

For and on behalf of  
National Fisheries Development Board



Shri N Venkatesh

Executive Director (F&A)



Dr. C. Suvama

Chief Executive

**A.V. RATNAM & CO.**  
CHARTERED ACCOUNTANTS  
# 180/2 RT, B.R. SADAN,  
VIJAYANAGAR COLONY,  
HYDERABAD-500 057.



**National Fisheries Development Board,  
Fish Building, Opp to Pillar No 235, PVNR Expressway, SVPNAP, Hyderabad**

**Income And Expenditure Account For The Year Ended 31.03.2022**

Particulars	Schedule No.	Year Ended 31.03.2022	Year Ended 31.03.2021
<b>Income</b>			
Income from Sales/Services		-	-
Grand-in- Aid	9	43,72,76,358	23,92,65,935
Application & Empanelment Fee	10	23,14,200	3,02,000
Interest Earned	11	4,56,89,533	4,72,00,527
Other Income	12	1,13,00,128	56,75,767
Increase/(decrease) in stock of finished goods and works-in-progress		-	-
<b>Total (A)</b>		<b>49,65,80,219</b>	<b>29,24,44,229</b>
<b>Expenditure</b>			
Establishment Expenses	13	7,65,34,492	7,74,48,747
Other Administrative Expenses	14	2,45,25,758	3,79,04,226
Activities Related expenses	15	88,77,029	2,60,33,569
Grants utilised by implementing agencies under various schemes	16	38,93,11,131	15,08,42,992
Depreciation	5	2,90,25,667	3,22,55,850
<b>Total (B)</b>		<b>52,82,74,077</b>	<b>32,44,85,384</b>
<b>Balance being excess of Income over Expenditure (A-B)</b>		<b>-316,93,857</b>	<b>-320,41,155</b>
Transfer to Special Reserve		-	-
Transfer to/ from General Reserve		-	-
<b>Balance being Surplus/ (Deficit) Carried to Corpus/Capital Fund</b>		<b>-316,93,857</b>	<b>-320,41,155</b>
Significant Accounting Policies			
Contingent Liabilities And Notes on Accounts			

**For A V Ratnam & Co.,  
Chartered Accountants**

FRN: 0030285



**CA G K Babu  
Partner**

MNo.213273

Place: Hyderabad

Date: 20/09/2022

UDIN: 22213273AVBRXT4489

**For and on behalf of  
National Fisheries Development Board**



**Shri N Venkatesh  
Executive Director (F&A)**



**Dr. C. Suvarna  
Chief Executive**

**A.V. RATNAM & CO.**  
CHARTERED ACCOUNTANTS  
# 180/2 RT, R.R. SADAN,  
VIJAYANAGAR COLONY,  
HYDERABAD-500 057.

**Receipts And Payments For The Year Ended 31.03.2022**

Receipts	(Amount in Rs.)	(Amount in Rs.)	Payments	(Amount in Rs.)	(Amount in Rs.)
	As at 31.03.2022	As at 31.03.2021		As at 31.03.2022	As at 31.03.2021
<b>I. Opening Balance</b>			<b>I. Expenses</b>		
a) Cash in hand	73	16,431	a) Establishment Expenses	183,51,322	675,89,599
b) Bank Balances			b) Administrative Expenses	54,61,221	66,72,550
i) In Current Account			c) Activity Related Expenses	71,99,771	232,59,771
On Current Accounts With SBI(A/c 62029582916)	7807,20,685	3439,86,073	d) Releases to Schemes	4486,40,027	2012,05,528
On Current Accounts With SBI (A/c 30109387550)	5,319	8,919	<b>II. Payments made against funds for various projects</b>		
On Current Accounts With AB (A/c 110311100001510)	8840,48,583	8650,00,378			
iii) Savings account			<b>III. Investments and Deposits made</b>		
SBI,Bostan tower branch(A/c 62407546162)	24,674	14,359	a) Out of Earmarked funds	-	-
SBI, Guwahati(A/c 33708404643)	15,846	13,845	b) Out of own funds (Investments-Others)	-	-
SBI, bhubaneswar(A/c 32607018978)	160,49,521	153,21,427	c) Investments in Bank Deposits	-	-
ICICI (A/c 131601000599)	40,917	39,691	<b>IV. Expenditure on Fixed Assets &amp; Capital work-in-Progress</b>		
<b>II. Grants Received</b>			a) Purchase of Fixed Assets	41,42,947	52,55,258
a) From Government of India			b) Expenditure on Capital Work-in-progress	469,33,200	1030,33,845
i) Annual Action Plan - 2021-22	8499,61,500	8395,73,000	<b>V. Refunds</b>		
ii) FIDF	40,00,000	-	a) To the Government of India	-	-
b) From State Government	-	-	b) To the State Government	-	-
c) From other sources (details) ( Grants for capital & revenue exp to be shown seperately.	-	-	c) To other providers of funds	-	-
<b>III. Income on Investments from</b>			d) Refund of Security Deposits/EMDs	16,46,652	3,24,408
a) Earmarked Funds			<b>VI. Finance Charges (Interest)</b>		
b) Own Funds (Other Investments)			<b>VII. Other Payments</b>		
<b>IV. Current Assets</b>			a) Advance to Suppliers	472,26,369	692,87,620
a) On Bank deposits			b) Other Advances	-	-
b) Loans & Advances (Asset)	4,10,825	5,87,122	c) Duties & Taxes Paid	101,56,787	83,01,867
c) Security Deposits		7,56,327	<b>VIII. Current Assests</b>		
<b>V. Other Income</b>			a) Deposits	-	-
a) Interest From Bank	456,61,258	524,71,586	b) Loans & Advances	111,37,977	46,01,968
b) Application & Empanchment Fee	23,14,200	-	c) Others	641,42,246	78,79,623
c) Other Income	116,64,212	60,33,966	<b>IX. Closing Balances</b>		
<b>VI. Amount Borrowed</b>			a) Cash in hand	1,005	73
<b>VII. Any other receipts</b>			b) Bank Balances		
a) Unspent Amount /Refunds from States	389,99,178	535,59,083	i) Current account		
b) Maturity Proceeds of Fixed Deposits		-	SBI (A/c 62029582916)	11154,05,800	7807,20,685
c) Misc . Receipts		-	SBI (A/c 30109387550)	3,981	5,319
d) Duties & Taxes Collected	1,12,534	-	Union Bank of India (A/c 110311100001510)	9066,49,045	8840,48,583
e) Earnest Money Deposit Received	16,66,096	-	ii) Deposits account		
f) GAIS Scheme	703,11,547	-	iii) Savings account		
g) Sale of Fish Payable	15,371	-	SBI,Bostan Tower Branch (A/c 62407546162)	70,227	24,674
h) Refund from CPWD (Capital WIP)	16,52,769	-	SBI, Guwahati (A/c 33708404643)	86,442	15,846
i) Recovery of Loans & Advances from Staff		-	SBI, Bhubaneswar (A/c 32607018978)	223,95,808	160,49,521
j)Unencash cheques		-	ICICI (A/c 131601000599)	42,159	40,917
<b>VIII. Indirect Expenses</b>					
a) Activities Relatives exp	21,900	8,87,267			
b) Other Administrative exp	1,041	25,853			
c) Establishment Expense	2,25,694	22,328			
d)Releases to Schemes	17,69,241	-			
<b>Total</b>	<b>27096,92,984</b>	<b>21783,17,655</b>	<b>Total</b>	<b>27096,92,984</b>	<b>21783,17,655</b>

For A V Ratnam & Co.,  
Chartered Accountants  
FRN: 0030285



CA G K Babu  
Partner  
MNo.213273  
Place: Hyderabad  
Date: 20/09/2022  
UDIN: 22213273AVBRXT4489

For and on behalf of  
National Fisheries Development Board



Shri N Venkatesh  
Executive Director (F&A)



Dr. C. Suvarna  
Chief Executive

**A.V. RATNAM & CO.**  
CHARTERED ACCOUNTANTS  
# 180/2 RT. R.R.SADAN,  
VIJAYANAGAR COLONY,  
HYDERABAD-500 057.

**National Fisheries Development Board,  
Fish Building, Opp to Pillar No 235, PVNR Expressway,  
SVPNAP, Hyderabad**

**FUNDS MOVEMENT FOR F.Y 2021-22**

<b>PARTICULARS</b>	<b>AMOUNT (Rs.)</b>
<b>BALANCE FUNDS AS ON 1.04.2021</b>	<b>16809,05,618</b>
ADD: GRANTS RECEIVED DURING THE YEAR	8539,61,500
BALANCE AVAILABLE FOR UTILIZATION	25348,67,118
GRANTS UTILISED DURING THE YEAR	4902,12,652
<b>BALANCE FUNDS AS ON 31.03.2022</b>	<b>20446,54,466</b>



**National Fisheries Development Board,  
Fish Building, Opp to Pillar No 235, PVNR Expressway, SVPNAP,  
Hyderabad**

**CASH MOVEMENT FOR F.Y 2021-22**

<b>PARTICULAR</b>	<b>AMOUNT</b>
<b>CASH INWRADS</b>	
<b>OPENING CASH AND BANK BALANCES</b>	16809,05,618
GRANTS RECEIVED DURING THE YEAR	8539,61,500
INTEREST INCOME	456,61,258
UNSPENT AMOUNT	389,99,178
OTHER INCOME	884,99,334
SECURITY DEPOSITS RECEIVED	16,66,096
<b>TOTAL</b>	<b>27096,92,984</b>
<b>CASH OUTWARDS</b>	
CAPITAL EXPENDITURE	510,76,147
INDIRECT EXPENDITURE	4796,52,341
OTHER PAYMENTS	470,97,902
SECURITY DEPOSITS PAID	16,46,652
DUTIES AND TAXES	101,56,786
ADVANCE PAID TO EMPLOYEE AND LOAN AND ADVANCE	754,08,690
<b>CLOSING CASH AND BANK BALANCES</b>	20446,54,466
<b>TOTAL</b>	<b>27096,92,984</b>





DETAIL-1 DETAILS OF INTEREST EARNED (I&E)		
Particulars	(Amount in Rs.)	
INTEREST PAID DURING THE YEAR	456,61,258	R&P
INTEREST ACCURED DURING THE YEAR	28,275	
<b>TOTAL INTEREST DURING THE YEAR</b>	<b>456,89,533</b>	<b>I&amp;E</b>

DETAIL-2 DETAILS OF LOANS AND ADVNACE AND OTHER (R&P)		
Particulars	(Amount in Rs.)	
CPWD MAINTENANCE	75,11,972	
TEMPORARY ADVANCE	23,56,461	
TOUR ADVANCE	5,61,320	
ADVANCE TO M.K SINHA	7,08,224	<b>111,37,977</b>
TDS RECEIAVABLE	21,51,841	
OUTSTANDING LIABILITY PAID	619,90,405	<b>641,42,246</b>
<b>TOTAL</b>	<b>752,80,223</b>	<b>752,80,223</b>

DETAIL-3 DETAILS OF FEES/ SUBSCRIPTION AND OTHER INCOME (R&P)		
Particulars	(Amount in Rs.)	(Amount in Rs.)
<b>FEE/SUBSCRIPTION</b>		
PROCESSING FEE	4,18,000	
APPLICATION AND EMPANELMENT FEE	18,96,200	<b>23,14,200</b>
<b>OTHER INCOMES</b>		
NFFBB INCOME	68,41,104	
GUEST HOUSE RENT	90,550	
LAB TESTING RECEIPTS	1,60,967	
LAB TRAINIG RECEIPTS	2,66,600	
MISC INCOME	4,66,673	
OUTING PROGRAM RECEIPTS	63,200	
RENTAL INCOME	11,31,735	
ROYALTY	19,67,275	
RTI FEE	2,228	
SALE OF FISH (HYD)	6,000	
GENERAL RESERVE (ASSAM)	6,68,000	<b>116,64,332</b>
<b>TOTAL</b>	<b>139,78,532</b>	<b>139,78,532</b>

DETAIL-4 DETAILS OF OTHER LIABILITIES (BALANCE SHEET)	
Particulars	(Amount in Rs.)
OUTSTANDING LIABILITIES	66,51,275
PMMSY GAIS SCHEMME	82,29,487
<b>TOTAL</b>	<b>148,80,762</b>

DETAILS OF OTHER INCOME (CASH MOVEMENT)	
PARTICULAR	AMOUNT
LOAN AND ADVANCE	4,10,825
DUTIES & TAXES COLLECTED	1,12,534
GAIS SCHEME	703,11,547
OTHER INCOME	116,64,212
SALE OF FISH PAYABLE	15,371
REFUND FROM CPWD (Capital WIP)	16,52,769
INDIRECT EXPENSES	20,17,876
FEES/SUBSCRIPTIONS	23,14,200
	<b>884,99,334</b>



**National Fisheries Development Board,  
Fish Building, Opp to Pillar No 235, PVNR Expressway, SVPNAP, Hyderabad**

**Schedules Forming Part of Balance Sheet as at 31.03.2022**

Schedule 1 -Corpus/ Capital Fund :	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
Balance As at Beginning of the Year	4463,18,248	3025,15,677
Add: Amount Utilized from Earmarked Fund towards Capital Expenditure	529,36,294	1438,02,571
<b>Balance As At The Year End</b>	<b>4992,54,542</b>	<b>4463,18,248</b>

Schedule 2 Reserves and Surplus:	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
<b>1. General Reserve</b>		
As per Last Account	-370,18,654	-49,56,186
Addition During the Year	-316,93,857	-318,35,817
Less: Deductions During the Year	-	-
Add: Prior Period Expenses for the FY 2020-21	6,68,000	-
Less: EMD Received & Considered as Income in Previous F.Y Adjusted	-	2,26,650
<b>Total</b>	<b>-680,44,511</b>	<b>-370,18,653</b>

**Schedules Forming Part of Balance Sheet as at 31.03.2022**

Schedule 3 -Earmarked Funds :	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
<b>a) Opening Balance of the funds</b>	16809,05,618	12244,01,124
Less: FIDF FUNDS (Earmarked for FIDF Purpose)	99,70,000	99,70,000
Less: FIDF FUNDS (2020-21 Included In Genral Grants)	50,00,000	-
	16659,35,618	12144,31,124
Less: Capital Expenditure Incurred	529,36,294	1438,02,571
Less: Transfer To Income And Expenditure	16129,99,324	10706,28,553
C/F Grants Unutilised During the Year	20421,11,952	16709,35,618
C/F Grants Unutilised (FIDF Funds)	25,42,514	99,70,000
<b>Net Balance as at The Year End</b>	<b>20446,54,466</b>	<b>16809,05,618</b>



Schedule 4- Current Liabilities And Provisions	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
<b>A. Current Liabilities</b>		
1. Acceptances	-	-
2. Sundry Creditors	-	-
a) For Goods	16,50,735	3,64,617
b) Others	-	-
3. Advances Received	-	-
4. Interest Accrued but Not Due on :		
a) Secured loans/ borrowings	-	-
b) Unsecured Loans/borrowings	-	-
5. Statutory Liabilities :		
a) Overdue	-	-
b) TDS and GST TDS / Taxes	22,76,334	11,38,039
6. EMD Security Deposit	22,21,255	21,01,793
7. Salary & Manpower Related Payables	6,14,443	37,60,902
8. Lab Deposit	15,000	15,000
9. Sale of Fish Payable	15,371	-
10. PMMSY GAIS State Share	82,29,487	54,48,819
11. Other Liabilities	66,51,275	-
<b>Total (A)</b>	<b>216,73,900</b>	<b>128,29,170</b>
<b>B. Provisions</b>		
1. For Taxation	-	-
2. Gratuity	38,20,111	24,60,713
3. Accumulated Leave Encashment	54,65,599	37,74,044
<b>Total (B)</b>	<b>92,85,710</b>	<b>62,34,757</b>
<b>Total (A+B)</b>	<b>309,59,610</b>	<b>190,63,927</b>

Schedule 6 - Investments- Others (Long Term)	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares (Sasoondock Matsyaodyog Sahakari Society Ltd) 20% shareholding	155,20,000	155,20,000
4. Debentures and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Others (to be specified)	-	-
<b>Total</b>	<b>155,20,000</b>	<b>155,20,000</b>



## DEPRECIATION SCHEDULE-5

S.No.	Description	WDV as at 1.4.2021	OPENING BALANCES		Total as at 31.03.2022	During the year	Depreciation		CLOSING BALANCE	
			Additions Before Sep 2021	After Sep 2021			On Additions	As at 31.03.2022	WDV as at 31.03.2022	Rate of Depreciation
<b>A</b>	<b>FIXED ASSETS (Other than CWIP):</b>									
1	LAND									
a)	Freehold	2,85,62,986			2,85,62,986				2,85,62,986	-
b)	Leasehold	-			-				-	-
2	BUILDINGS:									
a)	On Freehold Land	46,88,575	-		46,88,575	2,34,429	-	2,34,429	44,54,146	5.00%
b)	On Leasehold Land	9,87,68,234	-		9,87,68,234	98,76,823	-	98,76,823	888,91,411	10.00%
c)	Ownership flat/premises/ internal road	90,25,297	29,19,868.00		1,19,45,165	9,02,530	1,45,993	10,48,523	108,96,642	10.00%
d)	Superstructures on Land not belonging to the entity	-			-			-	-	-
3	PLANT MACHINERY & EQUIPMENT	4,52,88,148	2,64,200	4,31,408	4,59,83,756	67,93,222	71,986	68,65,208	391,18,548	15.00%
4	VEHICLES	57,24,716			57,24,716	8,58,707	-	8,58,707	48,66,009	15.00%
5	FURNITURE FIXTURES	36,09,337	0	18,000	36,27,337	3,60,994	900	3,61,834	32,65,503	10.00%
6	OFFICE EQUIPMENTS	53,23,731	5,08,740	5,52,240	63,84,711	5,32,373	78,486	6,10,859	57,73,852	10.00%
7	COMPUTER PERIPHERALS	87,52,756	9,65,734	11,58,901	1,08,77,391	35,01,102	6,18,074	41,19,176	67,58,215	40.00%
8	ELECTRICAL INSTALLATIONS	2,89,79,503	51,004	1,92,720	2,92,23,227	28,97,950	14,736	29,12,687	263,10,540	10.00%
9	LIBRARY BOOKS	-			0			-	-	-
10	TUBE WELLS & W SUPPLY	-			0			-	-	-
11	OTHER FIXED ASSETS	7,11,872			7,11,872	71,187		71,187	6,40,685	10.00%
12	NEFBP POND FACILITY	2,06,62,337			2,06,62,337	20,66,234		20,66,234	185,96,103	10.00%
	<b>TOTAL OF CURRENT YEAR</b>	<b>26,00,97,492</b>	<b>17,89,678</b>	<b>52,73,137</b>	<b>26,71,60,307</b>	<b>280,95,492</b>	<b>9,30,175</b>	<b>290,25,667</b>	<b>2381,34,640</b>	
<b>B</b>	<b>CAPITAL WORK IN PROGRESS</b>				<b>0</b>				<b>14,46,36,276</b>	
	<b>TOTAL OF CURRENT YEAR(ANNEXURE-1)</b>									
<b>C</b>	<b>GRAND TOTAL OF CURRENT YEAR</b>	<b>26,00,97,492</b>	<b>17,89,678</b>	<b>52,73,137</b>	<b>0</b>	<b>280,95,492.00</b>	<b>9,30,175</b>	<b>2,90,25,667</b>	<b>38,27,70,916</b>	<b>-</b>

70,62,815.00

### ANNEXURE-1: (DETAILS OF CAPITAL WORK IN PROGRESS)

S.no	Particulars	Opening Balance	Additions During the Year	Capitalised/ Booked as Expenses	Closing Balance as at 31-03-2022
	<b>CPWD HYDERABAD</b>				
1	Capital WIP for Administrative Building	21,08,261		21,08,261	-
2	CPWD maintenance	98,97,166	-	98,97,166	-
3	Renovation of Bharath Nagar Metro	43,48,000	-	29,19,868	14,28,132
	<b>INFORMATION TECHNOLOGY</b>				
1	Financial Accounting Software	6,31,300			6,31,300
	<b>MOOLAPOLAM</b>				
1	CPWD maintenance - moolapolam	21,59,719	-		21,59,719
2	Moolapolam Project	898,79,974	485,83,347		1,384,63,321
	<b>NFBB, BHUBANESWAR PROJECT</b>				
1	Advance to NFBB Kausalyanagar Bhubaneswar	17,43,804	2,10,000	-	19,53,804
	<b>Grand Total</b>	<b>1107,68,224</b>	<b>487,93,347</b>	<b>149,25,295</b>	<b>1446,36,276</b>

### TOTAL CAPITAL EXPENDITURE INCURRED DURING THE YEAR

<b>FIXED ASSETS</b>	<b>70,62,815</b>
<b>CAPITAL WORK IN PROGRESS</b>	<b>487,93,347</b>
<b>LESS : INTERNAL TRANSFER OF CAPITAL EXPENDITURE FROM CAPITAL WORK IN PROGRESS TO FIXED ASSET</b>	<b>29,19,868</b>
<b>TOTAL AMOUNT</b>	<b>5,29,36,294</b>





Schedule 7 - Current Assets, Loans, Advances	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
<b>A. Current Assets:</b>		
1. Inventories:		
a) Stores and Spares		-
b) Loose Tools		-
c) Stock-in-Trade		
Finished Goods		-
Work-in - Progress		-
Raw Material		-
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding six months		-
b) Others		-
3. Cash Balances in Hand (Including cheques/draft and imprest)	1,005	73
4. Bank Balances :		
<u>a) With Scheduled Bank:</u>		
On Current Accounts With SBI (A/c 62029582916)	11154,05,800	7807,20,685
On Current Accounts With SBI (A/c 30109387550)	3,981	5,319
On Savings Accounts With ICICI (A/c 131601000599)	42,159	40,917
On Current Accounts With SBI, NFFBB (A/c 32607018978)	223,95,808	160,49,521
On Current Accounts With Union Bank of India (A/c 62029582916)	9066,49,045	8840,48,583
On current Accounts with SBI, NERC (A/c 33708404643)	86,442	15,846
On Saving Accounts With SBI (62407546162)	70,227	24,674
<u>b) With Non-Scheduled Banks</u>		
On Current Accounts		-
On Deposit Accounts		-
On Savings Accounts		-
<b>Total (A)</b>	<b>20446,54,466</b>	<b>16809,05,618</b>



**Schedules Forming Part of Balance Sheet as at 31.03.2022**

<b>Schedule 8 - Current Assets, Loans, Advances</b>	<b>(Amount in Rs.)</b>	
	<b>As at 31.3.2022</b>	<b>As at 31.3.2021</b>
<b>B. Loans, Advances And Other Assets</b>		
1. Loans :		
a) Staff	-	-
b) Other Entities engaged in Activities/Objectives similar to that of Entity	-	-
2. Advances and other amounts recoverable in cash or in kind or for value to be received:		
a)Advances to Staff	5,29,700	4,98,020
b)TDS Receivable	92,35,450	70,80,781
c)Advances to Suppliers/Service Provider (ANNEXURE-1)	250,59,001	148,61,407
d) GST ITC	170,15,700	76,70,111
e) Sale of Fish Receivable	1,45,940	-
3.Prepaid Expenses	-	-
4. Income Accrued :		
a) On Investments from Earmarked Funds	-	-
b) On Investments-Others	-	-
i) Interest on Sweep Account Deposit- SBI	-	-
ii) Interest on Fixed Deposit	-	-
c) On Loans and Advances	-	-
d) Others(TA and DA Recovery)	-	-
e) Others(Interest Receivable)	2,66,911	2,41,464
5. Reimbursement of Expenses Receivable from Government of		
a) Asia Pacific Fishery Commission	24,09,679	24,09,679
b) FAO Sub Committee	82,09,215	82,09,215
6.Deposit (Rent,Telephone & Other Deposit)	10,07,128	10,07,128
<b>Total (B)</b>	<b>638,78,724</b>	<b>419,77,805</b>
<b>Total ( A+B)</b>	<b>21085,33,190</b>	<b>17228,83,423</b>

<b>Schedule 9 - Grand- in-Aid</b>	<b>(Amount in Rs.)</b>	
	<b>As at 31.3.2022</b>	<b>As at 31.3.2021</b>
B/f Unutilised Grants	16129,99,324	10706,28,553
Add: Grants Received During the Year	8499,61,500	8395,73,000
<b>Total Grants Available During The Year for Utilisation</b>	<b>24629,60,824</b>	<b>19102,01,553</b>
Less: Grants Unutilised During the year	20421,11,952	16709,35,618
<b>Total</b>	<b>4208,48,872</b>	<b>2392,65,935</b>



<b>Schedule 9A - Grand- in-Aid (FIDF)</b>	<b>As at 31.3.2022</b>	<b>As at 31.3.2021</b>
B/f Unutilised Grants	99,70,000	-
Add: Grants Received During the Year	40,00,000	
Add: Grants for the Year 2020-21	50,00,000	
Total Grants Available During The Year for Utilisation	<b>189,70,000</b>	
Less: Grants Unutilised During the year	<b>25,42,514</b>	
<b>Grants Utilised During the year</b>	<b>164,27,486</b>	
<b>Total (9+9A)</b>	<b>4372,76,358</b>	

	<b>(Amount in Rs.)</b>	
<b>Schedule 10- Application &amp; Empanelment Fee</b>	<b>As at 31.3.2022</b>	<b>As at 31.3.2021</b>
1) Application and Empanelment Fees	23,14,200	3,02,000
2) Annual Fees/Subscriptions	-	-
3) Consultancy Fees	-	-
<b>Total</b>	<b>23,14,200</b>	<b>3,02,000</b>

	<b>(Amount in Rs.)</b>	
<b>Schedule 11 - Interest Earned</b>	<b>As at 31.3.2022</b>	<b>As at 31.3.2021</b>
1) On Term Deposits:		
a) With Scheduled Banks	456,61,258	471,58,056
b) With Non Scheduled Banks		-
c) With Institutions		-
d) Others		-
2 ) Savings Account		
a) With Scheduled Banks	-	42,471
b) With Non Scheduled Banks		-
c) With Institutions		-
d) Others		-
3) On Loans		
a) Employees/Staff		-
4) Interest on Debtors and Other Receivables		
a) Interest from States		-
b) Interest from security deposit with M/s Southern Power Distribution Company of Telangana State	28,275	
<b>Total</b>	<b>456,89,533</b>	<b>472,00,527</b>



	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
<b>Schedule 12 - Other Income</b>		
1) Profit on Sale/Disposal of assets:	-	-
a) Owned assets	-	-
b) Assets Acquired out of Grants, or Received Free of Cost	-	-
2) Fee for Outreach Programme	63,200	-
3) Sale of Fish (NFFBB, Bhubaneswar)	68,25,959	-
4) Sale of Fish (Hyderabad)	6,000	-
5) Other Income (NFFBB, Bhubaneswar)	1,51,170	54,44,459
6) Miscellaneous Income	4,66,673	22,208
7) Lab Receipts	4,27,567	1,78,300
8) Guest House Rent	90,550	30,800
9) RTI Application Fees	2,228	-
10) Royalty Income	19,67,275	-
11) Rental Income	12,99,506	-
<b>Total</b>	<b>113,00,128</b>	<b>56,75,767</b>

Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2022		
	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
<b>Schedule 13 - Establishment Expenses</b>		
1) Salaries and Wages	418,89,320	375,59,067
2) Contribution to N.P.S	16,20,075	13,03,676
3) Encashment of EL	-	2,38,536
4) Pension Contribution	45,46,887	13,20,199
5) Leave Salary Contribution	32,08,107	7,47,362
6) Provision for Gratuity	13,59,398	3,51,823
7) Salary of Consultants	25,03,699	123,69,606
8) Manpower Outsourcing Services	154,99,198	160,98,361
9) Remuneration to Interns	3,00,000	2,25,000
10) Accumulated Leave Encashment	16,91,555	5,62,256
11) Staff Welfare Expenses	24,88,692	49,56,873
12) Leave Travel Concession	3,23,645	7,98,010
13) Reimbursement of Telephone Bill	93,358	87,931
14) Children Education Allowance	3,46,500	4,45,500
15) Reimbursement of Newspaper Bill	61,700	66,880
16) Reimbursement of Travel Bag	9,650	43,960
17) Transfer Travelling Allowance Expenses	5,92,708	2,73,707
<b>Total</b>	<b>765,34,492</b>	<b>774,48,747</b>





Schedule 14 - Others Administrative Expenses	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
1) Electricity and Power Charges	17,58,646	16,43,275
2) Water Charges	38,908	1,00,275
3) General Insurance	1,04,817	61,030
4) Repairs & Maintenance	106,65,569	89,66,543
5) Postage, Telephone and Communication Charges	7,01,087	10,21,827
6) Printing & Stationery	9,40,839	41,89,687
7) Travelling and Conveyance Expenses	18,65,305	18,96,410
8) Vehicle Hire Charges	11,35,505	77,574
9) Running and Maintenance of Car	5,61,413	4,41,749
10) Audit Fee	1,00,000	1,00,000
11) Advertisement and Publicity	67,329	78,39,248
12) Annual Maintenance Charges	10,90,091	58,03,871
13) Catering Charges	-	2,31,688
14) Bank Charges	12,497	8,851
15) Membership Fee	1,86,475	1,85,625
16) Office Expenses	14,03,413	15,11,495
17) Professional Charges	5,31,600	10,35,735
18) Property Tax	2,24,386	2,33,540
19) Internet Leased Line Charges	4,20,000	11,40,374
20) Office Aquarium Maintenance	9,69,447	4,36,910
21) Miscellaneous Purchases	6,22,239	7,50,557
22) Pest Control Services	4,54,192	2,27,961
23) Rental Expenditure	6,72,000	-
<b>Total</b>	<b>245,25,758</b>	<b>379,04,226</b>

Schedules :15 Activities Related Expenses	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
NFDB-Guwahati	3,09,471	2,02,573
NFFBB-Bhubanswar	82,17,518	64,68,207
Conducting Workshops & Seminar by NFDB	92,520	193,62,789
AAH&QT Lab Training Expenditure	85,040	-
Demo Units Expenditure	1,72,480	-
<b>Total</b>	<b>88,77,029</b>	<b>260,33,569</b>



**Schedules Forming Part of Income & Expenditure for the Year Ended 31.03.2022**

Schedule 16 - Grants utilised by implementing agencies under various schemes	(Amount in Rs.)	
	As at 31.3.2022	As at 31.3.2021
2405 General	3149,69,496	1248,24,450
2405 SCSP	325,76,536	44,46,004
2405 TSP	253,37,613	15,99,297
2552 NEER	-	199,73,241
FIDF EXPENSES (Annexure-2)	164,27,486	-
<b>Total</b>	<b>3893,11,131</b>	<b>1508,42,992</b>

**ANNEXURE-1 (Details of Advances to Suppliers/Service Providers)**

Particulars	(Amount in Rs.)
CPWD for Maintenances of NFDB Building	79,65,208
CPWD Maintenances	101,97,594
Electricity Maintenances of NFDB	55,00,000
Internet Line Leased Advance	3,76,679
Metro-Politan Commissioner, HMDA	10,19,520
<b>Total</b>	<b>250,59,001</b>

**ANNEXURE-2 (Details of FIDF Expenses)**

Particulars	(Amount in Rs.)
1.Salaries of Consultants (Young Professionals, Technical Consultants)	18,42,020
2.Salaries of Non-Technical Support Staff	4,20,000
3. Salaries of M&E Consultants	27,00,000
4.FIDF – NFDB – Organizing 1 (one) day State Level Workshop/Webinar for Circulation of FIDF Scheme & Guidelines – Sanction cum Release Accorded	5,79,686
5.Expenditure incurred on development & support of IT application-Paid to M/s Telangana State Technology Services paid in F.Y 21-22	10,00,000
6.Expenditure incurred on development & support of IT application-Paid to M/s Telangana State Technology Services paid in F.Y 22-23	5,00,000
7.FIDF Expenses for the year 2019-20	46,73,000
8.FIDF Expenses for the year 2020-21	47,12,780
<b>Total</b>	<b>164,27,486</b>



## NOTES ON ACCOUNTS

1. Income other than grants received, were utilised towards administrative and establishment expenses to the extent required.
2. NFDB had incurred an amount of Rs. 24,09,679/- as expenditure towards hosting Asia Pacific Fishery commission meeting in 2014. The amount is pending reimbursement from the Central Govt.
3. An amount of Rs. 82,09,215/- is pending reimbursement from Central govt. for expenses incurred on FAO Sub Committee meetings in the Financial year 2012-13.
4. An amount of Rs. 6,91,000/- is shown as rent deposit since 2010-11, for the vacated premises.
5. Figures were regrouped as and where applicable.
6. An amount of Rs. 1,55,00,000/- was spent towards equity shares in M/s Sasoondock Matsyodyog Sahakari Society Limited. In the F.Y. 2009-10 for setting Sea food processing plant. The society has been running in losses since F.Y. 2011-12. Audited Financials has not been received since F.Y. 2015-16.

### 7. Contingent Liabilities

Following are the Income Tax demands pertaining to the entity as at 31-03-2021. the matter is pending with the appellate authority.

Assessment Year	Demand identification No.	Amount in Rs.
2015-16	2017201510159384463T	26,57,75,820
<b>Total</b>		<b>26,57,75,820</b>

8. Advance amounting to Rs 18,67,04,330/- was reduced from capital fund opening balance in the FY 2018-19 by reducing the advances to various organisations. This was due to change of accounting policy in that year the same was approved, in the Executive Committee Meeting held on 18.03.2016

**For A V Ratnam & Co.,**  
**CHARTERED ACCOUNTANTS**  
**FRN: 003028S**



CA G K Babu  
Partner  
MNo: 213273  
Place: Hyderabad  
Date: 20/09/2022  
UDIN: **22213273AVBRXT4489**

**A.V. RATNAM & CO.**  
**CHARTERED ACCOUNTANTS**  
# 180/2 RT, R.R.SADAN,  
VIJAYANAGAR COLONY,  
HYDERABAD-500 057.

**For and on behalf of**  
**NATIONAL FISHERIES DEVELOPMENT BOARD**



Shri N Venkatesh  
Executive Director (F&A)

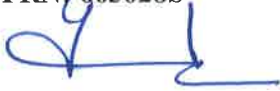


Dr. C. Suvana  
Chief Executive

## Accounting Policies

1. Financial statements were prepared on historical cost convention, unless otherwise stated following accrual method of accounting and generally accepted accounting principles.
2. The Financial Statements were prepared as per the uniform format prescribed by the Ministry of Finance for all the Government and Autonomous Organisations.
3. Grants released during the year to implementation agencies were treated as expenditure.
4. Fixed Assets are considered at their cost of acquisition inclusive of taxes, duties, freight and other incidental charges thereon and also expenditure incurred during construction period / pre-incorporation period wherever applicable.
5. Depreciation has been provided under written down value method at the rates specified in the Income Tax Act.
6. The society is following the accrual basis of accounting for income recognition.
7. The Society is following accrual basis of accounting for expenditure recognition.

**For A V Ratnam & Co.,  
CHARTERED ACCOUNTANTS  
FRN: 003028S**



CA G K Babu

Partner

MNo: 213273

Place: Hyderabad

Date: 20/09/2022

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**For and on behalf of  
NATIONAL FISHERIES DEVELOPMENT BOARD**



Shri N Venkatesh  
Executive Director (F&A)



Dr. C. Suvarna  
Chief Executive