

NETFISH  
-  
MPEDA



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# Annual Report

2019-20





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## 2019-20



**Network for Fish Quality Management and Sustainable Fishing**  
**(NETFISH)**

**(MPEDA, Ministry of Commerce & Industry, Govt. of India)**

Vallarpadam P.O., Kochi - 682 504

[www.netfishmpeda.org](http://www.netfishmpeda.org)

## NETFISH Annual Report 2019-20

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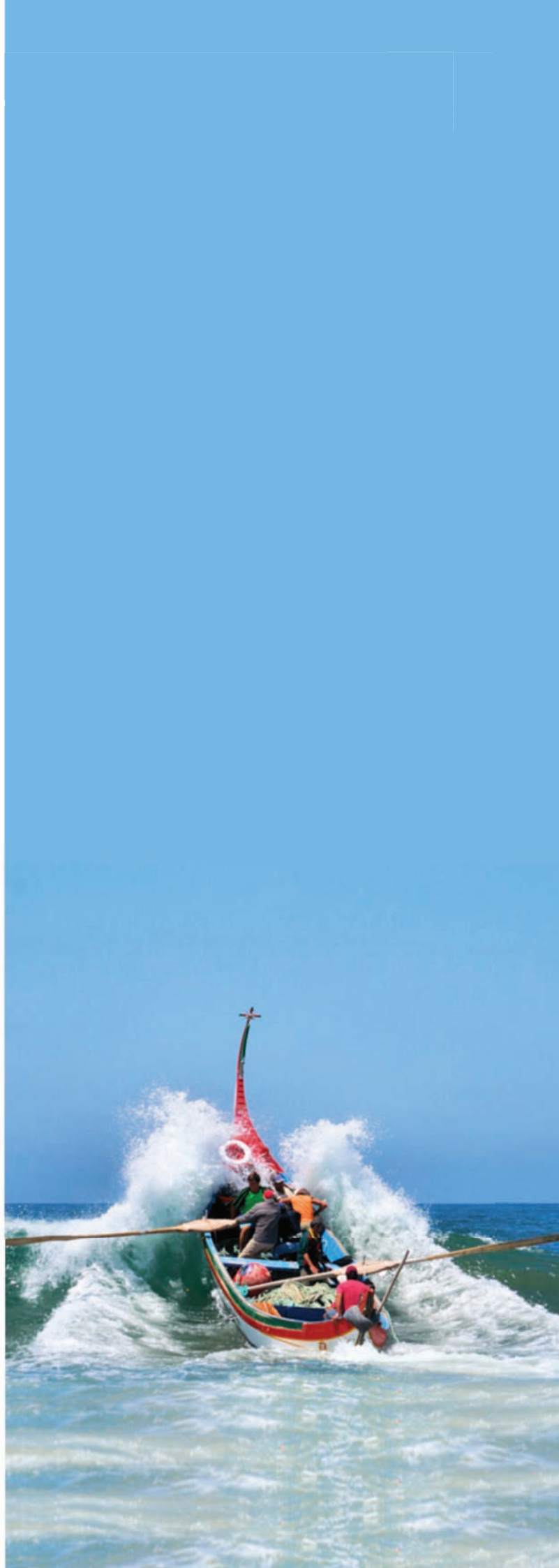
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# Abbreviations

CIFT	- Central Institute of Fisheries Technology
CSR	- Corporate Social Responsibility
DAT	- Distress Alert Transmitter
FIMSUL	- Fisheries Management for Sustainable Livelihoods
FSSAI	- Food Safety and Standards Authority Of India
G & G Tuna	- Gill and Gutted Tuna
GPS	- Global Positioning System
HACCP	- Hazard Analysis Critical Control Points
HF	- High Frequency
ICAR	- Indian Council of Agricultural Research
IUU	- Illegal, Unreported and Unregulated
KUFOS	- Kerala University of Fisheries And Ocean Studies
LC	- Landing Centre
MF	- Moderate Frequency
MFRA	- Marine Fishing Regulation Act
MLS	- Minimum Legal Size
NCCR	- National Centre for Coastal Research
NFDB	- National Fisheries Development Board
NSS	- National Service Scheme
PC	- Processing Centre
PFCS	- Primary Fishermen Co-operative Societies
PMKVY	- Pradhan Mantri Kaushal Vikas Yojana
PPC	- Pre-Processing Centre
RD	- Regional Division
RPL	- Recognition of Prior Learning
SACEP	- South Asia Co-operative Environment Programme
SCO	- State Coordinator
SEAI	- Seafood Exporters Association of India
SFDC	- State Fisheries Development Corporation
SHG	- Self Help Group
SIMP	- Seafood Import Monitoring Program
SOP	- Standard Operating Procedure
SRD	- Sub Regional Division
VHF	- Very High Frequency
VMS	- Vessel Monitoring System



## Executive Summary

1. In 2019-20, NETFISH conducted 1294 extension programmes benefitting around 38000 stakeholders in marine capture fishery sector, to achieve substantial improvements in hygienic handling of fish & ice for reducing post harvest loss at fishing vessels and harbours as well as to popularize sustainable fishing practices such as implementation of square mesh cod ends in trawls.
2. Organized 9 workshops titled '*Refinement of Marine Fisheries Management*' in Andhra Pradesh, Odisha, Goa, Tamil Nadu North & South, West Bengal, Karnataka, Pondicherry and Karaikal, by bringing in all the major fishery stakeholder groups, fishery officials and fishery scientists under one platform to discuss on the need of amending the existing Marine Fishing Regulation Act of the states to conserve our rich marine fishery resources from further decline.
3. NETFISH, with the financial assistance of NFDB, conducted 39 nos. of Onboard programmes consisted of fishing trials using trawl nets attached with square mesh cod ends, across all the 9 maritime states of India, that helped the fishers to experience themselves about the advantages of square mesh cod ends such as escapement of juveniles, easiness in sorting the catch and saving of fuel.
4. Exclusive awareness and skill development programmes were initiated by NETFISH with the financial assistance of ICAR-CIFT, to enrich the knowledge of fishery stakeholders belonging to Scheduled Caste (SC) category. A total of 90 programmes on Fish Quality Management, Conservation, Hygienic fish drying, Value addition of fishery products, Sea safety & navigation and Skill development were accomplished during January to March 2020, benefitting 2046 nos. of SC fishers.
5. NETFISH organized 41 nos. of capacity building programmes for fisher folks in the coastal districts of Odisha, utilizing the CSR fund of Paradeep Port Trust, with the aim to enrich their knowledge on fish quality, responsible fishing and sustainable management in the marine fisheries sector.
6. NETFISH has initiated conducting training programmes for fisher folks of Pondicherry and Karaikal with the funding from State Fisheries Department of Pondicherry, to upgrade the skills of the personal who are employed in the field of fisheries and those who venture fisheries as their occupation.
7. NETFISH has coordinated with MPEDA in conducting 17 nos. of 'Onboard Skill Development Training Programmes on Tuna Long line Fishing for Enhancing Revenue of Fishers and Exports', by which the fishermen in Tamil Nadu and Andhra Pradesh were imparted hands-on training on tuna long lining, handling of tuna onboard, preservation techniques etc. for landing Sashimi grade tuna.
8. The 'Swachhta Hi Seva campaign 2019' was observed during 11<sup>th</sup> Sep. 2019 to 2<sup>nd</sup> October 2019 on the theme 'Plastic Waste Management', by which '*shramdaan*' for plastic waste, was carried out as the prominent activity by NETFISH at selected harbours and nearby coastal areas in Tamil Nadu, Kerala, Karnataka, Gujarat, Odisha and West Bengal.
9. In view of the 'Swachhta Pakhwada 2019', NETFISH had conducted 18 nos. of Harbour/ Coastal Clean-up programmes across the 7 coastal states of India during 1<sup>st</sup> to 15<sup>th</sup> November 2019 with the aim to sensitize the fishers and general public about the impact of single use plastics on marine eco-system and

about sanitation & hygiene required in fishing boats & landing centers.

10. NETFISH State Coordinators in West Bengal, Odisha, Andhra Pradesh, Tamil Nadu, Kerala, Maharashtra and Gujarat had coordinated with RDs and SRDs of MPEDA in organizing 19 numbers of Skill development programme on RPL under PMKVY for Seafood processing workers.
11. NETFISH facilitated the Catch Certification System of MPEDA, by generating daily boat arrival and fish landing details from about 100 major fish landing sites across the country.
12. Due to NETFISH intervention, the ice and fish handling practices at fishing vessels and harbours have improved substantially.
13. As a result of series of activities including awareness classes, stakeholder's meetings, hands on trainings organized by NETFISH, many of the boat owners have initiated action to procure square mesh cod ends to be used in the next fishing season.
14. NETFISH has implemented Dress Code for the workers at Munambam, Munakkakadavu, Chettuva and Thottappally harbours in Kerala, which enhanced their personal hygiene, working efficiency as well as unity.
15. Because of regular interventions added with frequent discussions with the owners of the Pre-processing Centres, NETFISH could succeed in implementing dress code at 6 Pre-processing Centres in Munambam area, which has improved the personnel hygiene of workers and enhanced the self respect and discipline among them.





## NETFISH Profile

NETFISH was formulated in the year 2006 to concentrate deeply on capacity building in fish quality management and conservation of aquatic resources at the grass root level by networking with fishermen societies, federations and other non-governmental organizations. Being the extension arm of MPEDA, NETFISH stands for improving the quality of fishery products exported from the country and the sustainability of fishery resources as well.

### Our Vision:

To empower fisheries sector by imparting knowledge to fishermen, fisherwomen, processing workers, technicians and other fishery stakeholders on hygienic methods of post harvest handling of sea catch, how to ensure sustainable fisheries development and to improve sustainable livelihoods in the fisheries sector.

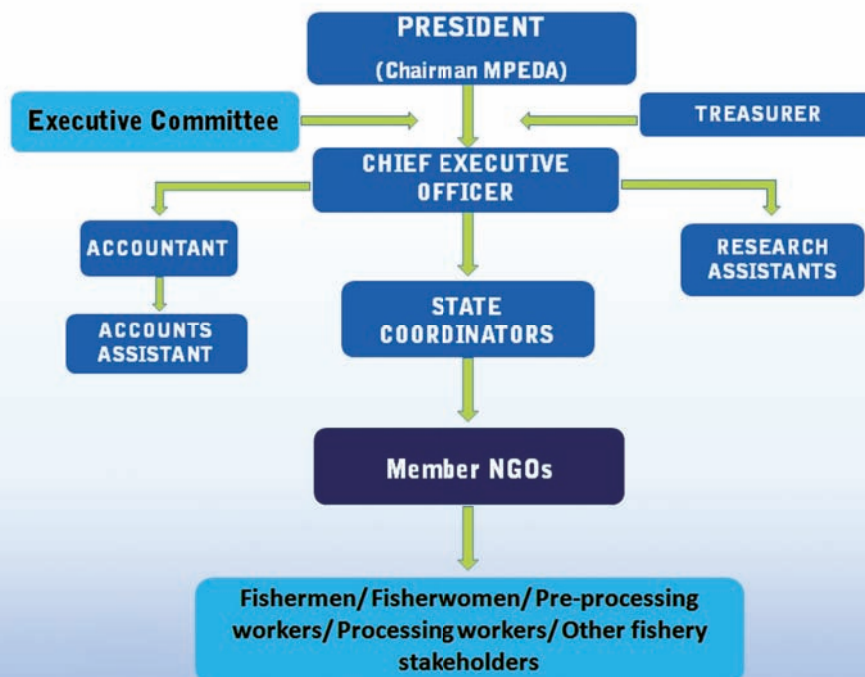
### Our Approach

- ❖ Organize grass root level awareness programmes among fishermen, fisherwomen,

processing workers and other stakeholders in all maritime states of India

- ❖ Conduct repeated training programmes at areas in and around selected harbours and landing centres in these states.
- ❖ NETFISH programmes include Fish quality management programmes conducted at landing sites, fishing vessels, fishermen villages, pre-processing centres, processing factories and fish drying areas and awareness programmes on conservation of marine resources and sustainable fishing in fishing vessels, fishing harbours and nearby places.
- ❖ Induct Non-Governmental Organizations (NGOs) as members in NETFISH and personals from these member NGOs are being trained on various fisheries extension programmes with the help of reputed fisheries institutes / universities/departments/scientists etc. and are utilized for conducting various extension programmes among fisher folk.

### ORGANOGRAM of NETFISH



## Strategy for the year 2019-20

In the financial year 2019-20, more emphasis was given in conducting harbour/landing centre based awareness activities to achieve substantial improvements in the hygienic handling of fish

& ice for reducing post harvest loss as well as to popularize and implement conservation measures like use of square mesh cod ends in trawl nets.

Table 1: Programme Target for the year 2019-20

Sl. No.	Type of Programme	WB	OD	AP	TNN	TNS	KLS	KLN	KA & GO	MH	GJ	Total
1.	Onboard Training Programme	37	40	25	20	6	25	8	10	15	4	191
2.	Harbour/LC/Fishermen Village Training Programme	55	45	25	70	70	30	66	75	65	80	580
3.	Pre-processing/Processing Centre Training Programme	12	10	30	5	6	30	20	10	10	15	146
4.	Dryfish Training Programme	20	10	20	15	26	4	4	10	15	5	134
5.	Skill Development Training Programme	03	10	10	5	6	5	2	10	10	8	69
6.	Sea Safety & Navigation Training Programme	04	10	5	10	6	10	3	10	08	8	76
7.	Other Special Programmes	04	05	15	5	10	36	27	10	07	10	124
	<b>Total</b>	<b>135</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>140</b>	<b>130</b>	<b>135</b>	<b>130</b>	<b>130</b>	<b>1320</b>

## Extension Activities During 2019-20

A total of 1294 extension programmes were conducted during the year, benefitting around 38000 fishers/fishery stakeholders (Table 2). This year, NETFISH could gain funding from external organizations such as NFDB, CIFT, Paradeep Port Trust, Pondicherry Fisheries Department, SEAL etc. which helped in widening the spectrum of

activities undertaken by NETFISH. Apart from the usual extension trainings, NETFISH had coordinated with MPEDA and Department of Fisheries for preparation of various inspections, formation of Fisheries management societies, Tuna Trainings, PMKVY trainings, Value addition trainings and Exhibitions.

Table 2: Various Extension Programmes carried-out by NETFISH during 2019-20

Sl No.	Type of Extension programme	Total No. of programmes	Total No: of Beneficiaries
1.	Onboard Training Programmes	160	2022
2.	Harbour/Landing Centre/Fishermen Village Training Programmes	701	20167
3.	Pre-processing/Processing Centre Training Programmes	101	2991
4.	Dryfish Training Programmes	106	3090
5.	Skill Development Training Programmes	51	899
6.	Sea Safety & Navigation Training Programmes	44	1622
7.	Other Special Programmes	131	7229
	<b>Total</b>	<b>1294</b>	<b>38020</b>



### State/Region-wise Total Programmes

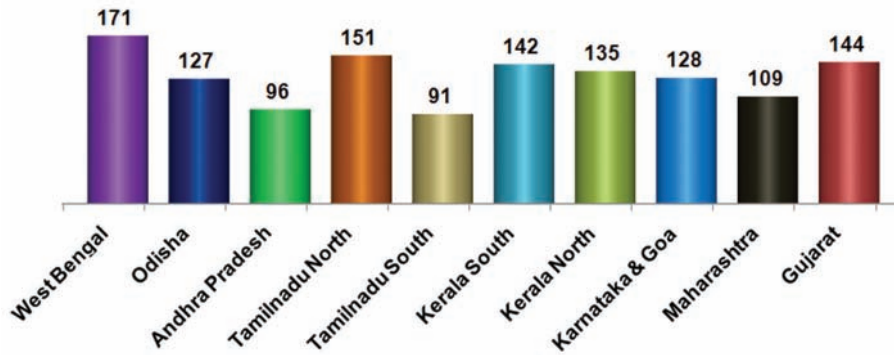


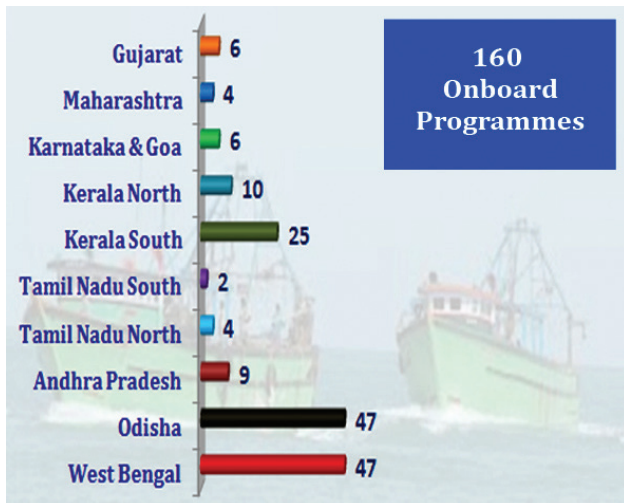
Fig. 1. State/Region-wise representation of number of Training Programmes conducted during 2019-20

Table 3. State wise details of Extension Training Programmes conducted during 2019-20

State /Region	Onboard Programmes	Harbour/ LC/ Fishermen Village Programmes	Pre-processing/ Processing Centre Programmes	Dryfish Programmes	Skill Development Programmes	Sea Safety Programmes	Other Special Programmes	Total
West Bengal	47	68	11	30	4	3	8	171
Odisha	47	67	3	0	3	0	7	127
Andhra Pradesh	9	33	9	20	10	4	11	96
Tamil Nadu North	4	78	5	15	3	10	36	151
Tamil Nadu South	2	51	0	14	15	0	9	91
Kerala South	25	30	34	4	5	16	28	142
Kerala North	10	82	23	4	2	5	9	135
Karnataka & Goa	6	99	0	11	4	1	7	128
Maharashtra	4	100	0	0	0	0	5	109
Gujarat	6	93	16	8	5	5	11	144
<b>Total</b>	<b>160</b>	<b>701</b>	<b>101</b>	<b>106</b>	<b>51</b>	<b>44</b>	<b>131</b>	<b>1294</b>



## Onboard Training Programmes



Practical trainings were provided to the fishermen, boat crew members and workers about hygienic handling of fish and ice onboard and also made them aware on sustainable fishing practices. Classes, demonstrations and subsequent discussions with trainees were included in the programme. Leaflets and posters pertaining to hygienic handling practices onboard fishing vessels, responsible fishing, etc. were explained and distributed to the trainees. Demo and practical sessions on proper cleaning and sanitizing the fishing boat, chill killing, storage in insulated boxes etc. were also done during the programme.



## NFDB sponsored Onboard trainings for the Popularization of Square Mesh Code-ends in trawls



State	Harbours
Andhra Pradesh	Visakhapatnam, Kakinada, Machilipatnam, Nizampatnam
Goa	Chapora
Gujarat	Porbandar, Mangrol, Vanakbara, Veraval, Veraval
Karnataka	Bhatkal, Tadri, Mangalore, Malpe, Gangolli
Kerala	Thottappally, Kayamkulam, Beypore, Ponnani, Munambam, Thoppumpady, Munakkakadavu, Sakthikulangara
Maharashtra	Ratnagiri, Harne, Sakharinate, Devgad
Odisha	Paradeep, Balaramgadi, Dhamara, Bahabalapur
Tamil Nadu	Cuddalore, Karaikal, Nagapattinam, Colachel, Chinnamuttom, Pazhaiyar
West Bengal	Deshapran, Sankarpur

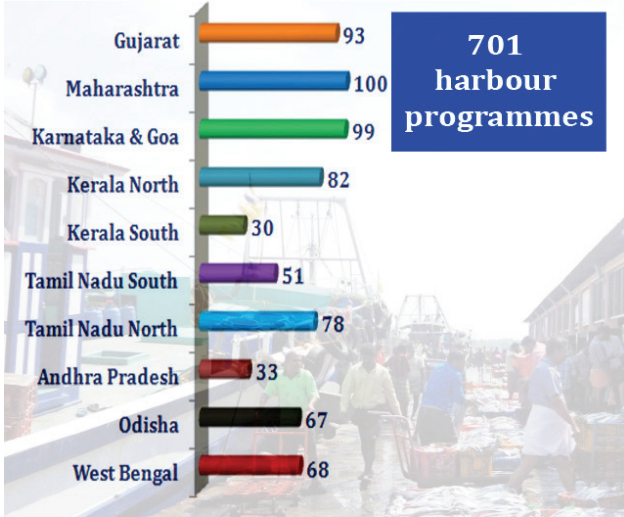
► Convinced the fishers on the advantages of square mesh cod ends over diamond ones by conducting 39 onboard training programmes across 9 maritime states of India, with the financial assistance of NFDB, Hyderabad. Fishing trials by using trawl nets attached with square mesh cod ends were done helping the fishers experience themselves about the escapement of juveniles, easiness in sorting the catch and saving of diesel while using square mesh cod ends.

Seeing the results of these fishing trials, the trainees as well as some of the boat owners have expressed their willingness to use square mesh cod ends of suitable mesh sizes in their trawlers. Their suggestions such as notification of square mesh cod end of suitable mesh size uniformly

among all the trawlers by the Govt., providing proper subsidies for procuring the cod ends and facilitating the ready availability of square mesh cod ends by major net manufacturers are the missions to be taken up further for ensuring proper implementation of square mesh cod ends across the country.



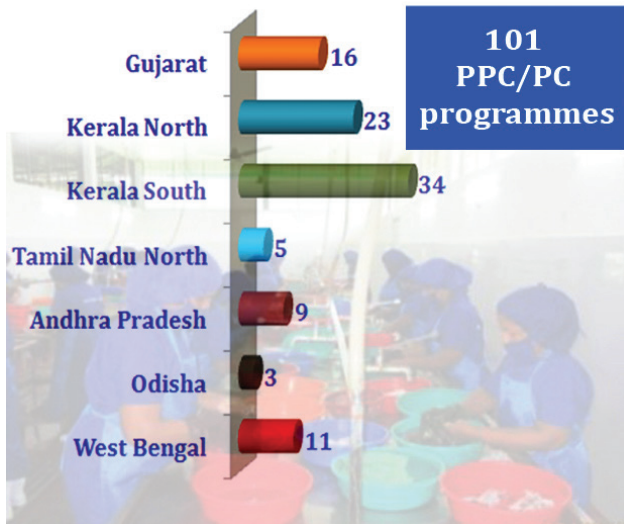
# Harbour/Landing Centre/Fishermen Village Training Programmes



► Generated awareness among various stakeholder groups on conservation & sustainable fishing as well as on fish quality management. Sanitation & hygienic practices, hygienic handling of fish and ice, personal hygiene, significance of conservation of marine biodiversity, importance of mesh size regulation, saving juvenile fishing for future etc. were the major topics covered under the programme. The programme also specially emphasized on creating awareness regarding the advantages of square mesh cod ends over the conventional diamond mesh. Practical demonstrations on proper hand washing and personal hygiene were provided to the trainees. NETFISH posters, leaflets, short films and animation films were used in the programmes for educating the fishers.

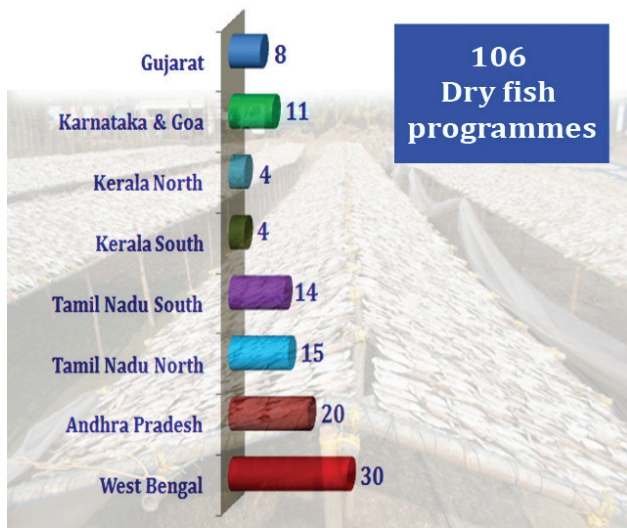


## Pre-processing/Processing Centre Training Programmes



► Created awareness among workers, supervisors and technologists in pre-processing/processing centres and peeling sheds by these training programmes. The beneficiaries were given lectures on various topics including sanitation & hygienic practices in the pre-processing centre, hygienic handling of raw materials, role of ice, fish spoilage and role of microbes, personal hygiene, proper use of change room, HACCP and abuse of antibiotics. Emphasis was also given for the implementation of regular cleaning schedule in PPCs before and after commencement of work. Practical demonstration of change room activities and hand washing procedure were also done during the programmes. Leaflets, posters and documentary film on sanitation and hygienic practices in seafood pre-processing centres were made use of in the programmes. Aprons, uniforms, caps, mouth cover and gum boots were distributed to peeling shed workers using the stipend money.

# Dryfish Training Programmes



The fishers, especially the fisherwomen engaged in fish drying activities were provided awareness as well as hands on training on fish quality management and hygienic production of dry fish by conducting various training programmes. The programmes included lectures on hygiene fish drying practices, use of solar dryer, abuse of harmful chemicals on dry fish and various subsidy schemes. The trainees were taught on good washing of fish, cleaning of fish contact surfaces, selection of raw materials, preparation of bed for drying, packaging and storage of finished products and marketing. They were introduced to solar drying, rack drying (on structures made with pipes and nets) and rope drying practices as part of the programme. Interaction with trainees on various quality problems in dry fish was also done in the programme.





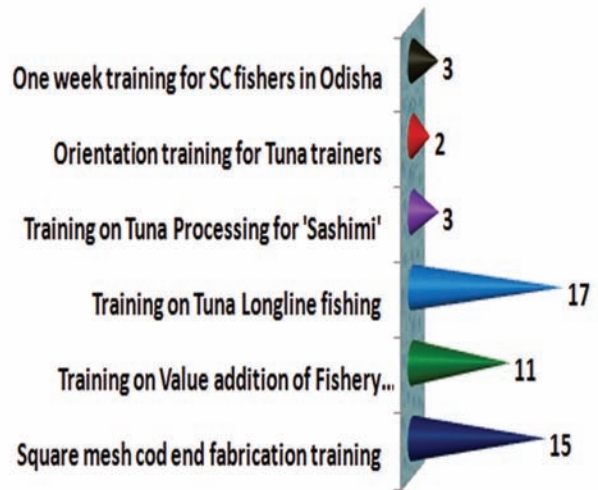
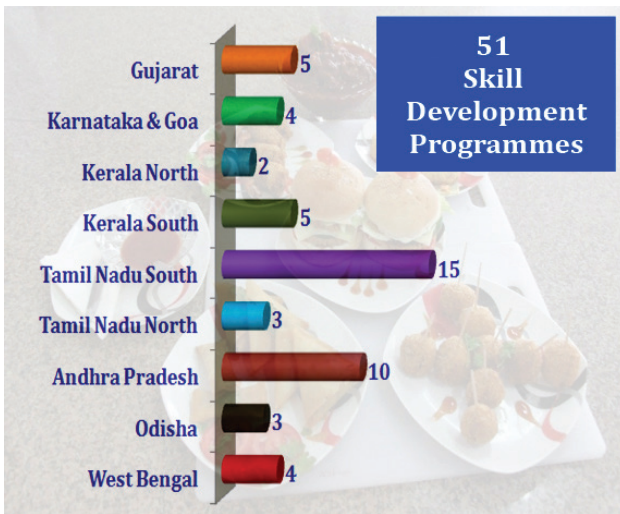
## Sea Safety & Navigation Training Programmes



► Created awareness among sea going fishers and skippers on safety measures at sea and gave them training on navigation. Various types of hazards faced by the fishermen while on fishing, various beneficial schemes for the fishers, implementation of biometric identity card for the sea going fishers etc. were discussed in the programme. Legal documentation for fishing, safety and security at sea, importance of registration & license of fishing boat, safety measures onboard, Marine Protected Areas from fishing, use of different life saving equipments such as life jacket, life buoy, life raft, Distress Alert Transmitter (DAT) machine etc., VHF, HF & MF transmission system, various day time signals and light signals at night for safety navigation, different communication measures during distress, Rules of the Road, weather warning were the major topics covered in the training. Practical demonstrations of application of life jacket, life buoy, DAT, GPS etc. were also arranged in the training.



## Skill Development Training Programmes



Most of the fisher folk families are living below the poverty line and they rely solely on fishing or allied activities to earn their livelihood. They rarely want to divert to other field which are disparate to the fisheries sector. To empower them improving the standards of their present occupation and to enhance the income, certain skill development programmes in the capture fisheries sector were identified. Hands on trainings were imparted to the fishermen and fisherwomen to enhance their employment opportunities, double their income and uplift the livelihood of fisher folk families.

Hands on trainings on the following aspects were provided during the year.

- ❖ Onboard training on Deep sea Tuna Long line fishing
- ❖ Hands on training on the processing of Tuna onboard
- ❖ In house trainings on Tuna long lining and processing
- ❖ Fabrication of Square mesh cod ends to popularize the usage of square mesh cod ends in trawls
- ❖ Training on Value addition of fishery products
- ❖ One week skill development training for SC fishers on fish quality management & conservation



## Onboard Skill Development Training Programmes on Tuna Long Lining

During the period from January to March 2020, a total of 17 nos. of Skill development training programmes on Tuna Long line fishing method and the better preservation of the catch were conducted for the fishers in Tamil Nadu, Andhra Pradesh & Kerala states. Experts from Colachel region of Tamil Nadu were hired as trainers in these programmes. Fishing voyages for a period of 10-15 days were conducted in each vessel so that fishers would be effectively trained on tuna long lining, handling of tuna onboard, chill killing, preservation techniques etc. for landing Sashimi grade tuna. The trainings equipped the fishers to bring good quality tuna fish which will result in the better unit value realization in tuna production and marketing. The first programme was flagged off from the Cochin Fisheries Harbour Thoppumpady, on 8<sup>th</sup> January 2020. The 20 days training was lead by Dr. Vinoth S. Ravindran, NETFISH State Coordinator and 2 experienced trainers from Thuthoor region of Tamil Nadu. In Andhra Pradesh, 4 trainings were conducted during March from the Kakinada harbour. Rest of the 12 nos. of trainings were conducted at Nagapattinam, Tharuvaikulam, Karaikal and Thegapattinam regions in Tamil Nadu during February & March 2020. The fishermen could get better quality due to hook and line fishing, chill killing/slurry processing, G & G Processing and proper storage techniques and thus realized better price from auctions. Exporters expressed happiness on the quality of fish landed and suggested to arrange more training.



## Training on Tuna Processing Onboard for Sashimi

With the intention of developing the skill in production of good quality Sashimi Grade Tuna fish for export from the state and thus to fetch a better price for the tuna catch, hands on trainings were arranged to fishers at Kakinada, Uppada and Pudimadaka in Andhra Pradesh. Nearly 50 fishers including fiber boat owners and crews, who are fishing with hook and line for Tuna, were benefitted by the 3 programmes. During the Hands on training programme the participants were trained on techniques of killing, spiking, bleeding, degilling, degutting, chilling in slurry ice, ice curing and storing in fish hold. Trainees have learned on systematic procedure to be followed to achieve Sashimi grade tuna in their fishing boats. Apart from the conventional lecture classes, audio visual tools were also used for the training to communicate the messages more effectively. The Tuna handling training manual printed in Telugu language were distributed to the trainees for future reference. The importance and advantages of hook and line tuna fishing to get Sashimi grade tuna catch was explained. The outcome of the programmes is that the boats are now able to bring G&G Grade Tuna and fetch good rate.



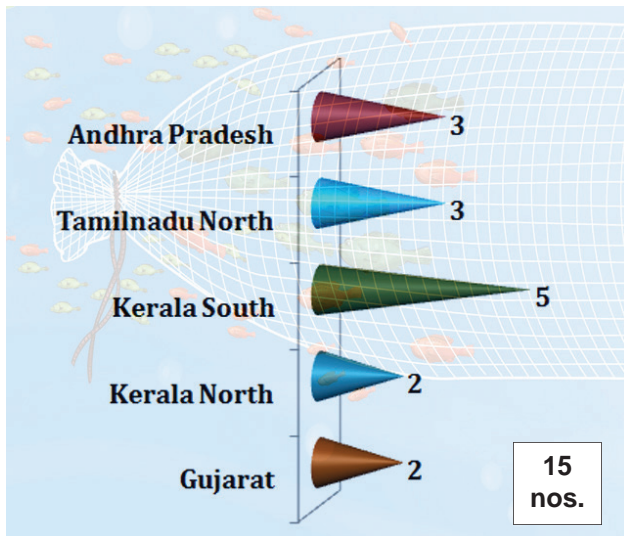
## Orientation Training on Deep-sea Tuna Fishing and Processing

Orientation programmes were conducted on SOP for deep sea hook and line fishing and onboard handling and preservation. The first training programme was arranged at Fisheries Training and Research Centre (FTRC), Dr. J. Jayalalithaa Fisheries University, Parakkai, Kanyakumari which benefitted 25 B.F.Sc students of FTRC and 3 tuna LL trainers from Thoothoor. Lectures & Hands on training on identification of various species of Tunas, various catching methods employed, merits of Hook & Line fishing, Hygienic handling of Tuna onboard and SOP for best preservation techniques were done by faculty of FTRC, SCO NETFISH & Project Associate, MSSRF.

The second training in this line was conducted on February 2020 at M/s Marble Valley Sea Foods, Eraipuvvari, Tirunelveli District for the 4 tuna Long line trainers from Thoothoor. General Manager of M/s Marble Valley Sea Foods & SCO, NETFISH delivered lectures and hands on trainings on de-gilling, de-gutting and de-blooding and proper icing and preservation of the G & G processed Yellow Fin Tuna. All the participants were awarded with certificates. The trainers from Thoothoor who attended the orientation programmes could effectively conduct the Onboard Tuna Long Line trainings in the field.



## Square Mesh Cod-End Fabrication Training



Hands on training programme were conducted for the fishers, especially the net menders, to develop their skill in converting the available diamond mesh nets to square meshed cod-ends. The objectives were:

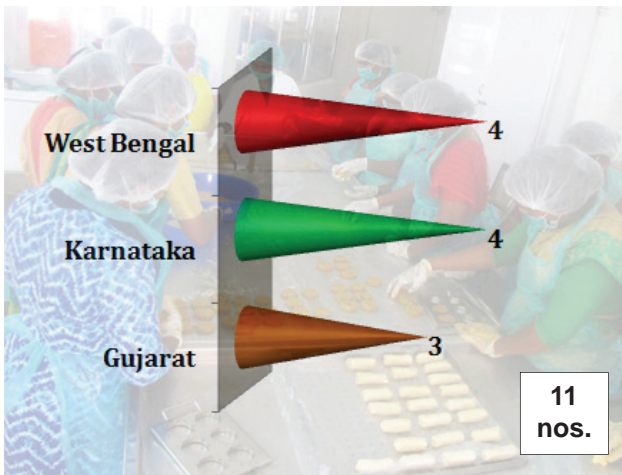
- ❖ To familiarize fishers & net makers about the technique of conversion of diamond mesh to square mesh cod-end.
- ❖ To popularize the square mesh cod-ends in trawl fishing sector.
- ❖ To create a general awareness about sustainability and need of urgent steps in this direction in fisheries sector.



Technical support of ICAR-CIFT and CIFNET were sought for the programmes. Leaflets and handbooks on square mesh cod ends were distributed in the programmes. The participants were satisfied about the simplicity and clarity of the technique used for the conversion. The programmes helped the fishers and net menders to get skilled in fabricating Square mesh cod ends. They also understood the efficacy of square mesh cod ends in trawls in enabling escapement of juveniles and reducing by-catch.



## Training on Value Addition of Fishery Products



To develop the skill of fishers in producing value added products from low value fishes for fetching good price and thus to improve their livelihood, 11 hands on trainings were organized. Mostly the fisherwomen who are members of SHGs or doing local fishery allied occupations were the participants of these programmes and they were trained on hygienic production of ready to eat items like Fish cutlet, fish burger, Fish roll, Fish samosa, Fish ball, Fish finger, Fish pickle, Prawn pickle, Fish pakora, Breaded products etc. Many of the trainees diverted their business to sell value added products at tourist places instead of selling raw fish at local market. The fisherwomen of SHG at New Jaldah took part in the *Bengal Fish Fest 2020* with various value added products and earned good income. Fisherwomen of SFDC started selling value added products in their fish stall at Henry's Island, Freserganj.

In Karnataka and West Bengal these trainings were conducted exclusively for the SC fishers, with the financial aid from ICAR-CIFT. One of the programmes in West Bengal was organized with the fiscal support from District Rural Development Council under Panchayat and Rural Development, Govt. of West Bengal.

*Shri. Ajay Prakash IAS, Collector Gir Somnath and Shri. Piyush Fofandi, President, SEAI visiting the preparations during the programme at Veraval*

## One Week Skill Development Training for SC Fishers

One week skill development training programmes were conducted for SC fishers from fishing villages of Chilka area, with the financial aid of ICAR-CIFT. Three batches of trainings were conducted during February & March 2020 and each batch consisted of 30 nos. of trainees. Fishing crafts & gears, fishing method, type of fishes, export variety fishes, Orissa Marine Fishing Regulation Act, Potential Fishery Zone, HACCP, fish quality management and general microbiology, mobile App for fishers, various schemes for fishers and the schemes applicable to Chilka, preparation of making quality dry fish, raw material selection, hygienic method of fish drying were the various topics taught and discussed during the theory classes. Soft skill training was also included in the programme. Exposure visits were arranged to a seafood unit to familiarize on pre-processing, processing, microbiology analysis etc., to a fish landing centre, an aquaculture farm and a crab hatchery to understand various activities and to the Jayantipur PFCS Khurda to see the success of the co-operative society. The participants were also made familiar about the method and schedule of cleaning of fishing boats and fish landing center. They were taken for a fishing trip along Chilka Lake to see the fishing method practiced. Trainee's feedback and evaluation was done and certificates were distributed.





## Other Special Programmes

Certain special activities and events based at harbours / landing centres and coastal areas were also organized during the year on need basis. Many of these programmes were arranged jointly with other organizations / agencies and with the active involvement of members from various stakeholder groups. The programmes included several clean-up events as part of Swachh Bharat schemes, PMKVY trainings, stakeholder workshops and meetings, commemoration of important days, mass communication programmes, school children awareness programmes, door to door programmes, expo etc.

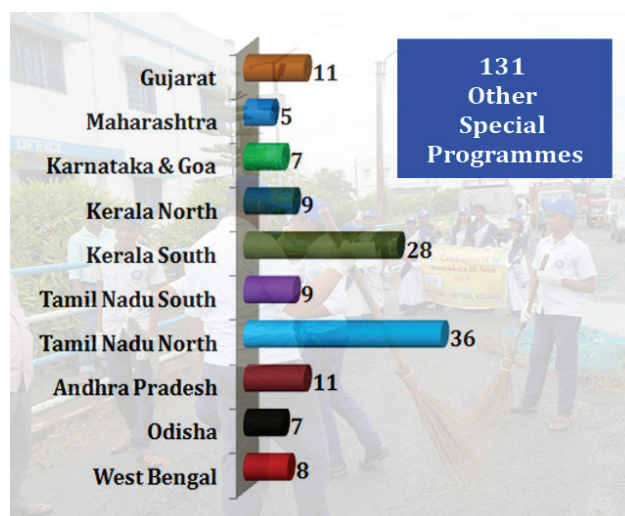


Table: Details of Other special programmes conducted in various regions

Type of Activity	West Bengal	Odisha	Andhra Pradesh	Tamil Nadu North	Tamil Nadu South	Kerala South	Kerala North	Karnataka & Goa	Maharashtra	Gujarat	Total
Clean-Up Programmes	5	3	2	3	3	4	4	3	2	2	31
Stakeholder's Workshops	1	1	1	3	1	0	0	2	0	0	9
Stakeholder's Meetings	0	0	0	0	3	16	1	0	1	5	26
Mass Communications	0	0	3	0	0	4	0	0	0	0	7
School Children Awareness	0	0	0	0	0	0	0	2	0	2	4
Pondicherry-FIMSUL Programmes	0	0	0	30	0	0	0	0	0	0	30
World Fisheries Day Celebration	0	1	0	0	0	0	0	0	0	0	1
Expo	0	0	1	0	0	0	0	0	0	0	1
Bachpan Bachavo Andolan	0	0	0	0	0	1	0	0	0	0	1
Door To Door Programme	0	0	0	0	0	0	1	0	0	0	1
Dress Code Distribution	0	0	0	0	0	0	3	0	0	0	3
PMKVY Training	2	2	4	0	2	3	0	0	2	2	17
<b>Total</b>	<b>8</b>	<b>7</b>	<b>11</b>	<b>36</b>	<b>9</b>	<b>28</b>	<b>9</b>	<b>7</b>	<b>5</b>	<b>11</b>	<b>131</b>

## 'Swachhta Hi Seva campaign 2019'

The 'Swachhta Hi Seva campaign 2019' on the theme 'Plastic Waste Management' was observed during 11<sup>th</sup> September to 2<sup>nd</sup> October 2019, by conducting 'shramdaan' for plastic waste at harbours and nearby coastal areas.

The campaign included awareness generation events such as mass meetings, rallies, door to door campaign etc. along with plastic waste clean-up drives at selected coastal areas in Tamil Nadu, Kerala, Karnataka, Gujarat, Odisha and West Bengal.



Participants of the harbour clean-up conducted at Paradeep



Harbour Clean-up at Mangrol with students of Parmesh School



Clean-up at Silver beach Cuddalore along with students of Nehru Youth Club of Periyar Govt. Arts College & SOHES



Clean-up at Deshapran with students of Kishorenagar Sachindra Siksha Sadan & Deshapran Coastal Police Station



The event at Rameswaram Sangumal Beach held jointly with NCCR, SACEP and MSSRF



Harbour workers cleaning the Chettuva harbour



Rally held at Amdalli with students of Janata Vidyalaya & Fishers



Event held at Thoppumpady harbour in association with NSS volunteers of KUFOS



## 'Swachhta Pakhwada 2019'

Conducted 18 Clean-up events in 7 coastal states of India during 1-15 November 2019 to sensitize the fishers and general public about the impact of single use plastics on marine eco-system and about sanitation & hygiene needed in boats & landing centers. The events have succeeded in carrying out sanitation initiatives effectively, in mobilizing people and in reinforcing the mass movement for cleanliness, fulfilling objectives of the 'Swachhata Mission' for a Clean India



Swachhta Pakhwada campaigns conducted at Digha



Clean-up event held at Arnala



Clean-up event at Bahabalapur fish landing centre



Awareness programme at Amdalli harbour



Swachhta Pakhwada event at Vizag



Joint clean-up event with EIA & SEAI at Munambam



Harbour clean-up at Cuddalore



Swachhta Pakhwada program at Sakthikulangara



Clean-up at Inigo Nagar landing centre



## State level Workshops on “Refinement of Marine Fisheries Management”

Sl.No.	State/UT	Venue	Date	Sponsored by
1	Andhra Pradesh	Kakinada	20.8.2019	NETFISH
2	Odisha	Bhubaneswar	23.9.2019	NFDB, Hyderabad
3	Goa	Panaji	30.10.2019	NFDB, Hyderabad
4	Tamil Nadu	Chennai	14.11.2019	NFDB, Hyderabad
5	Tamil Nadu	Tuticorin	27.11.2019	NFDB, Hyderabad
6	Pondicherry	Pondicherry	28.11.2019	Dept. of Fisheries, Pondicherry
7	Pondicherry	Karaikal	29.11.2019	Dept. of Fisheries, Pondicherry
8	West Bengal	Kolkata	6.12.2019	NFDB, Hyderabad
9	Karnataka	Udupi	3.01.2020	NFDB, Hyderabad

To generate a collective responsibility in conserving our rich marine fishery resources from further decline, NETFISH in association with State Fisheries Depts. organized 9 workshops titled ‘*Refinement of Marine Fisheries Management in India*’, by bringing in all the major stakeholder groups, fishery officials and scientists under one platform to discuss on the need of amending the existing MFRA. The objectives were to familiarize the recent updates in fisheries management occurred by way of amendments in the Kerala MFRA and to sensitize other maritime State Governments to take measures to control the fishing pressure by amending their MFRA, in line with Kerala MFRA.

The major Fisheries officials and the important representatives of all the major stakeholder groups took part in the workshops. First the existing MFRA of the state was presented by the Fisheries Official and then a presentation on the ‘Kerala MFR (Amendment) Act 2017’ and ‘Kerala Marine Fishing Regulation Rules 2018’ was done by the CE, NETFISH. Thereafter discussions were held, where most of the participants were of the opinion to amend the MFRA to save our marine resources. The workshops have rendered a better platform to discuss and formulate better fisheries management practice by the officials and stakeholders.



Workshop held at Kakinada, Andhra Pradesh on 20.5.19



NFDB sponsored workshop at Bhubaneswar, Odisha held on 23.9.19



Deputy Director Fisheries inaugurates the workshop conducted in Panaji, Goa on 30.10.19



A stakeholder giving his suggestion during the workshop held at Chennai, Tamil Nadu on 14.11.19



Joint Director Fisheries presenting the TNMFRA in the workshop held at Tuticorin, Tamil Nadu on 27.11.19



A view of the NFDB sponsored workshop held at Kolkata, West Bengal on 6.12.19



The workshops at Pondicherry & Karaikal held on 28<sup>th</sup> & 29<sup>th</sup> Nov. 2019 with the support of Pondicherry Fisheries Department



Presentation on KMFA amendments by CE, NETFISH in the workshop held at Udupi, Karnataka on 3.1.20

## Stakeholder's Meetings

To discuss regarding the measures to be taken to improve the hygienic condition of the harbour and for the conservation of fishery resources, NETFISH had organized several awareness cum stakeholder's meetings in various regions by involving the key officials and fishermen leaders. Officials from the Department of fisheries, representatives from boat owners, fishermen, union leaders at the harbour had attended these meetings where the points for bringing out necessary improvements in fish & ice handling, fish cutting, ice crushing, workers uniform, vehicle parking etc. were discussed. The beneficiaries were also given awareness about importance of catch certificate and vessel log sheet, Seafood Import Monitoring Program (SIMP) of US, registration of fishing vessels with the State fisheries, avoiding of fishing in territorial waters, juvenile fishing, usage of nets with proper mesh sizes, abiding the MFRA, etc. NETFISH has been coordinating with MPEDA for the development of Cochin Fisheries Harbour, Thoppumpady, Kerala to international standards. A series of Stakeholder's meetings were organized this year at Thoppumpady to explain the project plan and to obtain feedbacks from the end users of the harbour.



Stake holder meeting on formation of Vizag FH Management society



Stakeholder's meeting held in Gujarat



Stakeholders meeting at Thangachimadam on Vessel log sheet, IUU & MLS with the fishermen of Pamban, Mandapam & Rameswaram



Stakeholder's meeting at Thoppumpady on upgradation of Cochin Fisheries harbour



Meeting with Fisheries Minister & Commissioner of Fisheries of Gujarat



## Mass Communications

### Andhra Pradesh

A vehicle displaying awareness banners on Square Mesh cod-end, use of Turtle Excluder devise in trawling fishing vessels, hygienic handling of catch and ice in fishing harbour and good practices in fishing harbour and fish landing centers was deployed for the Mass Communication programmes conducted in Visakhapatnam and Yanam harbours and nearby localities. Mike announcements were also done on the topics and the fishers were given opportunity to discuss their views. The schemes of MPEDA on By-catch reduction devise and VMS were also communicated. Handouts were also distributed during the programme.



Mass Communication at Yanam harbour



Mass communication at Vizag harbour

### Kerala

Mass communications were arranged at Thoppumpady and Thottappally harbours. Main objective of the programmes was to create awareness among the fishermen on hygienic handling of fish and ice at harbours and onboard fishing vessels. Bit notices on the topics were distributed to the boat and harbour workers.



Mass Communication at Thottappally harbour



Boat to boat interaction by SCO



Mass Communication at Thoppumpady harbour

# School Children Awareness

## Karnataka

Awareness programmes were conducted for the students of Janata Vidyalaya High School, Kasarkod, near to Honnavar fishing Harbour, Honnavar and of Govt. High School, Amdalli near to Amdalli fishing Harbour in Karnataka. The children were preached on personal hygiene, fish quality management, conservation of fishery resources, plastic waste menace etc. with the aid of NETFISH posters and animated videos.



School programme at Veraval

## Gujarat

School based awareness programmes were organized to make children of fisherfolks of Veraval, Mangrol and Porbandar fishing harbor aware about fish quality management & conservation of marine ecosystem. Children are considered as effective medium to reach to their parents. NETFISH leaflets, posters, documentary & animated films were made use of in the programmes to convey the messages easily among the school children.



A view of school children awareness programme conducted at Mangrol



School Programme conducted at Janatha Vidyalaya, Kasarkod, Honnavar



Awareness video show for the students of Govt. High School, Amdalli





## World Fisheries Day Celebration

The World Fisheries Day was celebrated in Odisha on 21<sup>st</sup> November 2019 by organizing an awareness event at Paradeep harbour on the theme “Conserve fisheries resources for tomorrow”. Around 50 participants including officials from MPEDA, Department of Fisheries, SCO, Members from Paradeep Fishing Harbor Management Society, members from Trawler Owner Association and net menders had attended the programme. During the programme SCO highlighted on importance of conservation of fisheries resources and need of square mesh cod ends in trawl nets. SCO also gave a power point presentation on the results of the on-board trials conducted using square mesh cod end at Paradeep harbor and Balramgadi landing centre. Booklet on Square mesh cod-end was given to the participants. The President of Trawler Owners Association, Paradeep ensured that all the trawlers in Paradeep harbour will start using square mesh cod ends from 2020 onwards.



## Bachpan Bachavo Andolan

To eradicate child labour and child trafficking, NETFISH in association with Anti Human Trafficking Unit, Kochi organized an awareness programme “Bachpan Bachavo Andolan” at Thoppumpady Harbour on 24<sup>th</sup> Feb. 2020. The programme mainly targeted the boat owners, boat workers, and labor suppliers to the Sea food Factories. Sub Inspector of Police, Anti Human Trafficking Unit, Kochi inaugurating the programme highlighted about child labor, sexual abuse, human trafficking and its punishment. Secretary, SEAI mentioned that present criteria for selection of workers and their age identification are not sufficient and suggested for a full proof system. Around 90 participants attended the awareness programme.



## Door To Door Programme

NETFISH conducted a door to door awareness programme at Pallippuram village in Munambam area, Kerala on 12<sup>th</sup> February 2020. The aim of the programme was to spread the message of NETFISH regarding sustainable fishing to fishermen. SCO along with Shri. Unnikrishnan A.V., local coordinator had visited around 25

houses in the area. Fishermen freely and openly discussed the various ill doings in the fishing sector such as night fishing, use of very big nets and engines in the sector. NETFISH message were conveyed and valuable information from the ground level was also collected back from the fishermen.



## Participation in EXPO



JS, MoCI, GOI visiting NETFISH stall at Aqua Aquaria India 2019 held at Hyderabad during 30<sup>th</sup> Aug. to 1<sup>st</sup> Sep. 2019



Participation in Aquabe 2019 organized by KUFOS at Cochin, Kerala during 28-30 November 2019



Participation in Republic day celebration of Andhra State Fisheries Dept. at Visakhapatnam, by setting up a stall displaying Square mesh cod ends, NETFISH banner, sea safety equipments etc.



Stall arranged for OSICON 2019 jointly organized by CMLRE & Ocean Society of India during 12-14 December 2019 at CMLRE campus, Puthuvype, Kochi





MPEDA & NETFISH stall at MARICON 2019 organized by School of Marine Science, CUSAT during 16-20 Dec. 2019



MPEDA & NETFISH jointly participated in the 38<sup>th</sup> Cochin Flower Show 2020 during 3-12 Jan. 2020



MPEDA & NETFISH stall at International Symposium on MECOS3 held at CMFRI, Kochi during 7-10 Jan. 2020



Participated in the CLIMFISHCON Expo 2020 of SIF, CUSAT during 11-14 Feb. 2020



Participation in Bengal Fish Fest 2020 organized by the Dept. of Fisheries at Kolkata, WB during 10-12 Jan. 2020



Mohan Kumar IAS & Leena Nair IAS, Former Chairpersons of MPEDA visited NETFISH pavilion at IISS 2020 held in Kochi during 7-9 Feb. 2020



## ICAR-CIFT funded Joint Capacity Building Programmes for SC Fishers

NETFISH with the financial assistance from ICAR-CIFT, Kochi has initiated conducting capacity building programmes to Scheduled Caste category working as fishing crew members, workers at landing centres, dryfish workers, retail sellers of fish etc., in the major fish landing centres & fishing harbours of West Bengal, Odisha and Karnataka to create awareness about the need of conservation of fish resources for the sustainability of this industry, good preservation practices, responsible fishing, fish quality management etc. The project aim to enrich knowledge of the SC fishers on fish quality, responsible fishing and sustainable management in the marine fisheries sector, development of dry fish, fish processing technology, sea safety and

navigation as well as to develop the skill of fishers in preparing value added fisheries products with low value marine fishes, thus to secure their livelihood.

A total of 90 programmes consisted of awareness trainings on Fish Quality Management and Conservation onboard and at harbours, Trainings on Hygienic method of fish drying, Skill development training on Value addition of fishery products, Awareness on Sea safety & navigation and One week skill development training were accomplished during January to March 2020 under the project, benefitting 2046 nos. of SC fishers. Mostly SC fishers are economically not so sound, therefore exclusive programmes and skill development can enhance their socio-economic status.



The President of SC Fisherwomen Association of Thottam, Udupi inaugurates the CIFT sponsored awareness programme for SC fishers at Karnataka

A view of the Hands on training programme on value addition of fishery products conducted for SC fisherwomen at Thottam, Udupi as part of the CIFT & NETFISH joint programmes





A view of the one week skill development programme conducted for the SC fishers from fishing villages of Chilka area in Odisha



SC fishers from Arakhakuda Village, Puri, Chilka participated in the 3rd one week skill development training programme held at Odisha. A group photo of the trainees along with the resource persons.

Onboard training programme conducted from Sultanpur Fishing harbour, West Bengal to Bay of Bengal to provide hands on training to SC fishers on Hygienic practices onboard and chill killing



Participants of the training programme on hygienic production of dry fish conducted at Malancha area as part of the ICAR-CIFT & NETFISH joint programmes for SC fishers in West Bengal



## Paradeep Port Trust funded Awareness programmes for Fishers in Odisha

NETFISH organized capacity building programmes for fishers in Odisha utilizing the CSR fund received from Paradeep Port Trust (PPT). The programmes were aimed to enrich their knowledge on fish quality management and sustainable fishing in the marine sector, dry fish development, fish processing technology etc. as well as to develop the skills of fishers to secure their livelihood.

A total of 41 nos. of training programmes were conducted under the project during November 2019 to March 2020. By these programmes, it is expected to improve the hygienic handling of fish in landing centres, pre-processing and processing seafood factories and on board fishing vessels, hygienic production of dry fish products in the traditional dry fish units, adoption of responsible fishing practises by fishermen and adoption of sea safety and navigation methods on-board fishing vessels.



Mr. Rinkesh Roy, IRTS, Chairman of Paradeep Port Trust inaugurates the joint capacity building programmes by NETFISH & Paradeep Port Trust in Odisha



Sea safety training for fishers under the PPT-CSR programme held at Paradeep with the support of Coast Guard Officials



Familiarizing the square mesh cod ends to fishers during the PPT-CSR programme conducted by NETFISH at Paradeep



Certificate distribution to the trainees of the joint programmes



Participants of the training programme held at Arakhakuda, Chilka



## Awareness & Skill Development programmes for fishers in Pondicherry & Karaikal under the FIMSUL-II project of Dept. of Fisheries, Pondicherry

The State Fisheries Department of Pondicherry has entrusted NETFISH to conduct training programmes for fisher folks of Pondicherry and Karaikal, to upgrade the skills of the personal who are employed in the field of fisheries and those who venture fisheries as their occupation. The State Fisheries Department has provided fund to NETFISH for organizing both In-house and On-site extension training programmes as per the requirement. The In-house training programmes will be organized on the topics such as Gear technology, Ornamental fish culture, Cage Culture, Seaweed culture, Co-operative management, Engine Mechanism and Training for Panchayath raj members in the fishing community. The On-site training programmes are conducted on the subjects such as Rules of the Road & Weather Warning, Occupational Safety and Health in Fishery, Code of Conduct for Responsible Fishing, Marine Regulation Acts and Rules, Govt. schemes and Food Safety with reference to Fish and Dryfish (FSSAI Rules and regulations).

The programmes were initiated on 18<sup>th</sup> February 2020 and till March 2020, a total of 30 nos. of onsite or field level training programmes were conducted in Karaikal, which were attended by 901 nos. of beneficiaries from various fishing villages.



*Inaugural function of the programme held at the Office of Deputy Director of Fisheries, Karaikal*



*Capacity building programme for fisherwomen of Pondicherry*



*NETFISH SCO delivering class on Occupational safety and health in Fisheries*



*Fishers of Pondicherry getting trained on Marine Regulation Acts and Rules*



## PMKVY Training Programme

NETFISH State Coordinators in West Bengal, Odisha, Andhra Pradesh, Tamil Nadu, Kerala, Maharashtra and Gujarat had coordinated with RDs and SRDs of MPEDA in organizing Skill development programme on RPL under *Pradhan Mantri Kaushal Vikas Yojana* (PMKVY), for Seafood processing

workers. This year a total of 19 numbers of training programmes were conducted in various seafood processing plants. Each training programme was of 3 days duration. First and second days were utilized for addressing the skill gaps of the candidates and third day for assessment.



PMKVY training at Porbandar



PMKVY training at Nila Sea Foods Pvt. Ltd Pattukottai



Workers trained on proper hand washing procedure during the PMKVY programme held at Devi Fisheries Pvt. Ltd. Vizag



Group photo of the participants of the PMKVY training programme at Hari Marine Sea Food unit, Balasore



PMKVY training programme at Bilimora, Maharashtra





## Distribution Of Fishermen Aid Materials



Giving Square mesh cod end to a Fishing Vessel at Munambam, Kerala



Distribution of Insulated Fish Box at Narayanpur, West Bengal



Distributing Life Buoy to a boat owner



Distribution of PVC shovel at Kakdwip



Distribution of Plastic shovel at Bahabalapur



Trainees given gloves instead of stipend in Maharashtra



Trainees with the aprons distributed instead of stipend during the programme in Harne



## Major Achievements/Outcomes

### 1. Generation of External Fund for Training Programmes / Supply of Aid Materials

No.	Funding Source / Agency	Sanctioned in the year (lakhs)	Received in the year (lakhs)	Purpose
1	CIFT, Kochi	27.3	27.3	Capacity building programmes for SC fishers in Karnataka, West Bengal & Odisha
2	NFDB, Hyderabad	3.255	2.61	State level Workshops on Refinement of Marine Fisheries Management in India
3	NFDB, Hyderabad	16.8	16.8	Onboard Trainings for popularization of Square Mesh cod ends in trawls
4	Paradeep Port trust (CSR fund)	10	9	Capacity building programmes for fishers in Odisha
5	Dept. of Fisheries, Pondicherry	24.6	12.3	Training programmes for fishers in Pondicherry & Karaikal
6	Dept. of Fisheries, Pondicherry	2.17	2.17	Workshops on Refinement of Marine Fisheries Management in Pondicherry & Karaikal
7	SEAI, Karnataka	0.30	0.30	For printing Vessel Log Sheets for Karnataka & Goa
8	SEAI, Kerala	0.50	0.50	For Plastic Basket distribution in harbours of Kerala
9	PPC Owners at Munambam	0.215	0.215	For implementation of dress code at the PPC
10	Workers of Munambam, Chettuva & Munakkakadavu	0.802	0.802	For implementation of dress code at the harbour
	<b>Total</b>	<b>85.942</b>	<b>71.997</b>	

## 2. Improved Handling Of Ice At Harbours

NETFISH has familiarized the conveyer ice crusher system at harbours and as a result, the boat owners/ fishermen have made so many new conveyer ice crushers for hygienic handling of Ice thereby reducing the habit of putting ice on floor. Some of the ice suppliers in harbours have provided an extension tray made of stainless steel to the ice crusher and the crushed ice is now collected directly in to the fish hold of the fishing vessel.



*Transferring ice block directly from vehicle to ice crusher and then the crushed ice directly in to the fishing boat at Veraval harbour*



**Before**



**After**

*Improved ice handling at Kakinada harbour by providing a stainless steel extension tray to the ice crusher and transferring the crushed ice directly in to fishing vessel, avoiding contact with floor*



*Ice block is carried to the boat by hanging on the rope at Deshapran FH, avoiding dragging on floor*



*Handling of ice block in the fishing vessel at Kakdwip*



### 3. Improved Fish Handling Using Crates In Fishing Vessels & Harbours

The unhygienic practice of keeping fish on floor at harbours/landing centres for auctioning and transportation has been reduced considerably at some of the harbours due to NETFISH intervention. NETFISH has insisted the stakeholders to adopt crate system to avoid keeping fishes on bare floor and as a result noticeable changes are observed at some of the selected harbours where the catch in fishing vessels are loaded from the deck/fish hold directly in to plastic box crates and these plastic baskets are carried by fish worker from boat to the auction hall. In the auction hall weighment of these fish/shrimps are done in plastic crates. After weighment, icing is done without putting the material on to the floor. The Iced fish in crates are then loaded to insulated vehicles and transported.



Catch stored in plastic crates with proper icing at Sankarpur harbor, West Bengal



Catch transferred from fishing vessel to crates in Veraval, avoiding dumping on wharf area



At Kakinada, the catch is auctioned in the boat itself and the material including big Tunas are being offloaded from boats into plastic boxes/crates and these boxes are carried by trolleys for weighing and packing



Usage of crates for keeping fish for auction at Harne and storage of the material in crates with proper icing



#### 4. Implementation Of Square Mesh Cod Ends

A series of activities including awareness classes, stakeholder's meetings, square mesh fabrication trainings and Onboard demonstration of square mesh cod ends were organized this year by involving the boat owners, fishing crews, net menders, leaders of fishermen associations, net manufacturers and fisheries officials as well. NETFISH could convince them on the advantages of square mesh cod ends and on the necessity of such cod ends in trawl nets to make the fisheries sustainable. Some of the boat owners have agreed to use square mesh cod ends in the next fishing season.

- ❖ The Trawler Owners from Harne landing centre are now ready to purchase Square mesh cod ends with 40 mm size. Sriram Machhimar Sahakari Society Ltd., and Omkar Machhimar Sahakari Society Ltd., has invited quotations to purchase about 100 Square mesh cod ends.
- ❖ The TUFROPE Pvt. Ltd. has agreed to supply square mesh cod ends to the boat owners through their dealers.
- ❖ More boat owners are ready to use square mesh cod ends of 25 mm to 30 mm mesh size, but as the MFRA regulations insist for 35 mm to 40 mm mesh size many of them are awaiting for the Govt. to revise the regulation by reducing the mesh size.

#### *Changes observed in Gujarat with regard to mesh size of cod end*

*>10-15mm mesh size were used earlier*



*>Now fishers have started using cod ends of mesh size 30 - 35mm*



## 5. Proper Cleaning and Sanitization at Harbours and Landing Centres



Cleaning of packing area by the workers of Kakinada Fishing Harbour



Waste collecting trolleys at Mangrol



Cleaned crates and floor in Harne Landing Centre

### Improved waste disposal system at harbours:

The Mahavir fisheries Cooperative Society at Mangrol has fabricated waste collecting trolleys and kept them in the Mangrol fishing Harbour to keep fishing harbour neat and clean. Using the stipend money given during NETFISH programmes, the fishermen of Veraval Fishing harbour had purchased iron barrels to be used for waste collection in the harbour, thereby to keep harbour and sea clean from wastes.



Daily 2 times cleaning initiated at Vizag harbour

### 6. Implemented Dress Code for Harbour workers

Dress code for people working under the same space can enhance their personal hygiene, working efficiency as well as unity. Mostly in fishing harbour, the loading and unloading workers do not follow any specific dress code system.

Due to regular intervention of NETFISH, the harbour workers at Munambam, Munakkkadavu, Chettuva and Thottappally harbours in Kerala have adopted common dress code at their work place. The dress code includes track pants, t-shirts, hand gloves and shoes.



Sri. M.S. Saju, Joint Director, Fisheries Department inaugurates the uniform introduction at Chettuva Harbour



Uniform distribution at Thottappally Harbour



Harbour workers at Munakkkadavu in their new dress code



Workers at Munambam & Chettuva harbours in their new dress code





### 7. Implemented Dress Code at Pre-processing Centres

NETFISH has been conducting training classes to workers on the topics such as personnel hygiene, occupational safety, fish quality management, ice and fish handling, better handling practices in pre-processing centers etc. Because of this regular interventions added with frequent discussions with the owners of the Pre-processing Centres, NETFISH could succeed in implementing dress code at 6 PPCs in Munambam area.

The uniform consists of body dress, mouth cover, head gear, apron and gumboots. The change to new dress code has improved the personnel hygiene of workers and enhanced their self respect and discipline. The PPC owners have appreciated NETFISH efforts for helping them to bring about this positive change among the workers. The workers are also happy about having complete protective clothing making them less exposed to cold and water during work.



*P.K. Prakashan PPC Shed No 1. before & after*

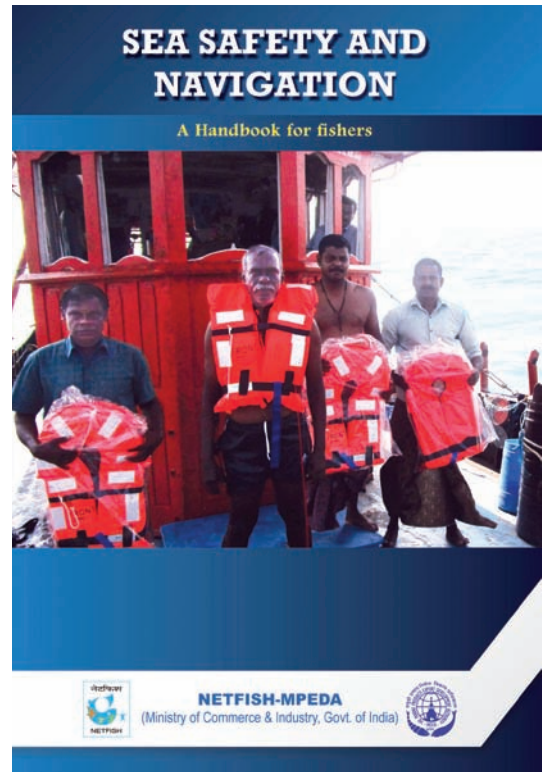


*Workers of Aroma PPC Before & After the NETFISH intervention*



# NETFISH Booklet on Sea Safety & Navigation

A handbook on 'Sea Safety & Navigation' was published during the year to enhance the knowledge of fishers on sea safety and to familiarize important measures for ensuring safe fishing. The target groups include boat owners, skippers, crews and government officials. The guide highlights the sea safety issues and indicate various practical measures to be taken for safe navigation and fishing. The booklet describes different lifesaving equipments, marine communication devices, navigational tools, lights and signals etc. Guidelines for fishermen to ensure safety at sea while fishing are also mentioned in it. The booklet is helpful by all means for the authorities concerned as well as the fishers to ensure safety at sea. "Safety first" must be the Mantra while going for fishing.



## Newspaper reports on NETFISH programmes





## Member NGOs of NETFISH

Sl. No.	Name	Address
1	The Science Association of Bengal (SAB)	Barisha P.O, Kolkata, West Bengal
2	Sarboday Sangha (SS),	P.O Ajoya, Khejuri, Medinipur (East), West Bengal
3	Subha Rashmi Mahila Seva Samiti (SRMSS)	Balasore District, Odisha.
4	Rangalata Peoples Rural Development Society (RPRDS)	Bentapur, Puri District, Odisha.
5	District Fishermen Youth Welfare Association (DFYWA)	Vivekananda Bhavan, Vishakapatnam, Andhra Pradesh.
6	Socio Economic Alternatives Research Resource Community for Humanity (SEARCH)	Guntur District, Andhra Pradesh.
7	Village Resource Centre of MSSRF	Kurusady, Nagercoil, Kanyakumari District, Tamil Nadu.
8	Village Resource Centre of MSSRF	Thangachimadam, Ramanathapuram District, Tamil Nadu.
9	Chevaliar Roshe Society (CRS)	Derose Centre, Polpettai, Thoothukudi, Tamil Nadu.
10	Organization for Marine Conservation, Awareness and Research (OMCAR Foundation)	Pattukottai (Post), Thanjavur (Dist) Tamil Nadu-614601.
11	GAIA International Organization (GIO)	First Main Road, Kamaraj Nager, Thiruvanmiyur, Chennai, Tamil Nadu.
12	S.O.H.E.S.	Pillayar Kovil Street, Kanchipuram District, Tamil Nadu.
13	Fisheries Professionals Organization (FPO)	Chennai, Tamil Nadu.
14	Fish For All - Research and Training Centre	M.S.Swaminathan Research Foundation (MSSRF), Poombuhar-PO, Nagapattinam-Dt, Tamil Nadu.
15	F.D.W.C.	Kollam, Kerala.
16	Sahyadri Community Development & Women Empowerment Society (SCODWES)	Savinilaya Building, Maratikoppa Main Road, Sirsi, Karnataka.
17	Coastal And Rural Empowerment Society (CARES)	Ranson Villa, PerlaguriNear Padavinangadi, Kavoor Post, Mangalore - 575 015, Karnataka.
18	Manav Vikas Sevabhavi (MVS)	Chandranagar, Thane District, Maharashtra.
19	Nagrik Bahu Udeshiya Seva Pratistan (NBUSP)	Sindhudurg, Maharashtra.
20	Jan ShikshanSanstha (JSS)	Raigad, Maharashtra.
21	Brackish Water Research Centre (BWRC)	KasbaMohalla, Mougul Street, Surat District, Gujarat.
22	Shri.B.A.Yadav Education & Rural Development Foundation Trust (BAYERDFT)	Hatina, Junagadh, Veraval, Gujarat.
23	Chamunda Vikas Trust (CVT)	Bhalpara Main Raod, Veraval-362268, Gujarat.
24	Shivam Education & Charitable Trust (SECT)	Pipaliya Nagar, MadhiRaod, Junagadh, Gujarat.



# Financial Statements for the Year 2019-20

G. Natesan & Co.,  
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## INDEPENDENT AUDITOR'S REPORT

To

Members

NETWORK FOR FISH QUALITY MANAGEMENT & SUSTAINABLE FISHING (NETFISH)

### Opinion

We have audited the accompanying financial statements of NETWORK FOR FISH QUALITY MANAGEMENT AND SUSTAINABLE FISHING (NETFISH), which comprises the Consolidated Balance Sheet of NETFISH and SEAFOOD INDIA STALL as at March 31, 2020 and the Income & Expenditure Account for NETFISH for the year ended 31<sup>st</sup> March 2020, **Profile & Loss Account for SEAFOOD INDIA STALL** for the year ended 31<sup>st</sup> March 2020 and notes to the financial statements, including a summary of significant accounting policies and other explanatory information.

In our opinion the accompanying financial statements give a true and fair view of the financial position of the entity as at 31<sup>st</sup> March 2020 and the financial performance for the year then ended is in conformity with Accounting Standards issued by the Institute of Chartered Accountants of India.

### Basis of Opinion

We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Our responsibilities under those Standards are further described in the auditor's responsibilities for the audit of the financial statements section of our report. We are independent of the Entity in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India (ICAI) together with the ethical requirements that are relevant to our audit of the financial statements and we have fulfilled our other ethical responsibilities in accordance with these requirements and the code of ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### Emphasis Matter

The Financial Statements of NETFISH includes the Financials relating to the operations of SEAFOOD INDIA STALL which is being operated by NETFISH as a Trading unit for the display and sale of seafood items to create more awareness within the Industry and to fuel interest in capture fisheries and value added fishing products exported abroad. The operations of the SEAFOOD INDIA STALL is governed by an Agreement dated 12<sup>th</sup> February 2019 between Marine Products Export Development Authority (MPEDA)



and NETFISH under which the Profits and Losses of Operations of SEAFOOD INDIA STALL shall be shared equally between MPEDA and NETFISH. Further during the current Financial Year MPEDA and NETFISH have decided that 50% of loss incurred on account of SEAFOOD INDIA STALL operations shall be borne by NETFISH and the balance 50% would be reflected as Receivable form MPEDA in the Financial Statements vide letter No NETFISH/VPC/ACT-15/2017/299 dated 04/01/2021.

#### Management's responsibility for the financial statements

The management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance of the concern in accordance with the accounting principles generally accepted in India, including the Accounting Standards specified by ICAI. This responsibility also includes maintenance of adequate accounting records for safeguarding of the assets of the Entity and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statement that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Entity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Entity or to cease operations, or has no realistic alternative but to do so.

#### Auditor's responsibilities for the audit of the financial statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit



evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our audit report, however, future events or conditions may cause the Entity to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

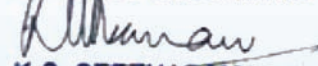
We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

Place: Ernakulam

Date: 08/01/2021

UDIN: 20152270AAAAAB6073

For G. Natesan & Co.,  
Chartered Accountants

  
K.C. SEETHARAMAN FCA, DISA  
Partner (M.No. 52270)  
Firm Regn No: 002424 S



## NETWORK FOR FISH QUALITY MANAGEMENT & SUSTAINABLE FISHING (NETFISH)

KOCHI ( REG.NO.ER 509/06)

### AUDITED BALANCE SHEET AS AT 31-03-2020

(In Rs. Ps)

LIABILITIES	Sch	As on 31.03.20	As on 31.03.19
<b>CAPITAL FUND</b>			
Opening balance		3,436,728.37	5,408,824.82
Add: Fund received from MPEDA during the year		20,500,000.00	20,000,000.00
Less: Excess of Expenditure over income for the year		(16,491,385.20)	(21,972,096.45)
Less Loss of Seafood India Staff		1,20,731.35	11,971.77
		7,324,611.82	3,424,756.60
<b>UNDP PROJECT FUND</b>			
UNDP Fund received from MPEDA		16,175,000.00	16,175,000.00
Less: Project Advance			
Add: Project Expense Payable		-1,094,746.45	-1,095,395.45
Less: Amount utilised towards Mangrove Crab Project, Mumbai		(15,080,253.55)	(15,079,604.55)
		.00	.00
<b>TOTAL</b>		<b>7,324,611.82</b>	<b>3,424,756.60</b>
<b>ASSETS</b>			
<b>FIXED ASSETS</b>			
Opening WDV NETFISH	1	1,356,860.97	1,018,026.97
Add: Additions made during the year		1,17,575.99	596,856.00
Less: Profit on sale of Asset			
Less: Depreciation NETFISH		(252,050.40)	(258,022.00)
Closing WDV		1,222,386.56	1,356,860.97
<b>CURRENT ASSETS, LOANS AND ADVANCES</b>			
<b>CASH &amp; BANK BALANCE</b>			
Cash in hand Seafood India Stall		22,076.13	4,395.15
Balance with banks	2	8,733,867.49	2,794,897.85
Current Assets Seafood India Stall	3	3,75,263.63	1,11,467.04
<b>LOANS &amp; ADVANCES</b>			
Advance to Staff		107,880.00	14,521.00
HDC Receivable		1,946,752.00	2,027,990.00
Amount Receivable FromMPEDA Tuna Long Line		1,053,184.00	0.00
Amount Receivable FromMPEDA Seafood India Stall		57,914.34	
		1,22,96,937.59	49,53,271.04
<b>CURRENT LIABILITIES AND PROVISIONS</b>			
<b>OTHER LIABILITIES &amp; PROVISIONS</b>			
EMD Fish Nutricart Kiosk		25,000.00	25,000.00
Expenses Payable NETFISH	4	305,623.00	200,660.00
Expenses Payable Seafood India Stall	5	1,43,400.00	0.00
Salary Payable NETFISH	6	786,373.00	1,276,114.00
Sundry Creditors Seafood India Stall	7	8,79,336.88	2,76,405.96
Tuna Long Line Prog.MPEDA Payable		755,924.00	
Harbour Data collector Trainee Payable		1,965,447.00	1,095,395.45
Mangrove Crab Project Payable		1,094,746.45	
Puducherry Fund. MPEDA Payable		221,162.00	
Audit Fee Payable		17,700.00	11,800.00
		61,94,712.33	28,85,375.41
<b>NET CURRENT ASSETS</b>		<b>61,02,225.26</b>	<b>20,67,895.63</b>
<b>TOTAL</b>		<b>73,24,611.62</b>	<b>34,24,756.60</b>

Subject to notes forming part of accounts and my report of even date

Date: 08/01/2021

UDIN: 20152270AAAAAAB6073

  
(Chief Executive Officer)

  
(Treasurer)

  
(Director)



  
(Auditor)



**NETWORK FOR FISH QUALITY MANAGEMENT & SUSTAINABLE FISHING (NETFISH)**  
**KOCHI ( REG.NO.ER 509/06)**  
**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2020**

(In Rs.Ps)

		For the year ended 31-3-2020	For the year ended 31-3-2019
<b>INCOME</b>			
Fund Received from NFDB		1,940,575.00	1,632,608.00
Fund Received From CIFT		2,730,500.00	
Fund Received From Dept.of Fisheries Puducherry		1,179,532.00	
Fund Received From Paradeep Port Trust		900,000.00	
Fund Received From SEAI		50,000.00	
Fish Kiosk Rent			70,000.00
<b>Miscellaneous Income</b>			
Application Fee		5,000.00	500.00
Membership Fee		0.00	0.00
Renewal Fee		0.00	0.00
Other Miscellaneous Income		10,800.00	
		15,800.00	500.00
Honorarium Received			2,000.00
Training Fee			1,400.00
<b>TOTAL</b>		<b>6,816,407.00</b>	<b>1,706,508.00</b>
<b>EXPENDITURE</b>			
Extension Activities	8	12,007,066.50	13,418,268.00
Employee Cost	9		
Salary - Chief Executive		976,842.00	932,898.00
Salary - State Co-ordinators		6,371,705.00	5,993,783.00
Salary - Research Assistant		903,561.00	862,239.00
Salary - Staff		556,242.00	531,462.00
Employer Contribution to PF		355,979.00	355,548.00
		9,164,329.00	8,675,930.00
Administrative Expenses	10	1,886,964.10	1,326,384.45
Depreciation	1	249,432.60	258,022.00
<b>TOTAL</b>		<b>23,307,792.20</b>	<b>23,678,604.45</b>
Excess of Expenditure over Income		(16,491,385.20)	(21,972,096.45)

Subject to notes forming part of accounts and my report of even date

Place: Ernakulam

Date: 08/01/2021

UDIN: 20152270AAAAAB6073

  
(Chief Executive Officer)

  
(Treasurer)

  
(Director)



  
(Auditor)

## NETWORK FOR FISH QUALITY MANAGEMENT & SUSTAINABLE FISHING (NETFISH)

KOCHI ( REG.NO.ER 509/06)

### RECEIPTS & PAYMENT ACCOUNT FOR THE YEAR ENDED 31.03.2020

Receipts	(Rs.)	Payments	(Rs.)
Opening balance - 01.04.2019		Payments for Extension Activities	
Cash		Training Programmes	11,253,239.50
Bank	2,646,325.85	Publicity & Literature	-
		Fishermen Aid Programme	50,000.00
Funds received from MPEDA	20,500,000.00	Travelling For Extension Training Staff	703,827.00
Funds received from UNDP	0.00		
Other Income	6,816,407.00		
Salary, TA to Technical and Field Staff paid ( MPEDA a/c)	21,026,238.00	UNDP Project (Bank Charges)	649.00
Fund Received From MPEDA Tuna Long Line	108,667.00		
Puducherry Fund received from MPEDA (Refundable)	221,162.00	Payment to Employees	9,654,070.00
		Salary, TA to Technical and Field Staff paid (MPEDA a/c)	18,979,553.00
		Expense for Tuna Programme by NETFISH	405,927.00
		Establishment & Other Items	1,869,460.10
		Fixed Assets Purchased	98,262.00
		Closing balance - 31.03.2020	
		Cash in hand	-
		Balance with banks	8,303,812.25
	51,318,799.85		51,318,799.85

Subject to notes forming part of accounts and my report of even date

Place: Ernakulam

Date: 08/01/2021


UDIN: 20152270AAAAAB6073

  
(Chief Executive Officer)

  
(Treasurer)

  
(Director)



  
(Auditor)

NETWORK FOR FISH QUALITY MANAGEMENT & SUSTAINABLE FISHING (NETFISH)

(SEAFOOD INDIA STALL)

KOCHI ( REG.NO.ER 509/06)

PROFIT & LOSS ACCOUNT FOR THE PERIOD ENDED 31-03-2020

		For the year ended 31-03-20	For the year ended 31-03-19			For the year ended 31-03-20	For the year ended 31-03-19
Opening Stock	11	93,922.14	-	Sale of Traded Goods		23,97,967.37	2,36,031.10
Purchases		20,06,637.50	2,76,405.96	Closing Stock		3,49,261.70	93,922.13
Direct Expenses		1,59,713.86					
Gross Profit		4,86,955.57	53,547.27				
			27,47,229.07	3,29,953.23		27,47,229.07	3,29,953.23
Indirect Expenses	12	7,23,130.51	69,659.04	Gross Profit	13	4,86,955.57	53,547.27
				Indirect Income		6,684.02	-
				Visitors Fee		-	4,140.00
				Net Loss Tid to Balance Sheet		2,29,490.92	11,971.77
		7,23,130.51	69,659.04			723130.51	69659.04

Subject to notes forming part of accounts and our report of even date

Place: Ernakulam

Date: 08/01/2021

UDIN: 20152270AAAAAB6073

  
(Chief Executive Officer)

  
(Treasurer)

  
(Director)



  
(Auditor)

## I. Significant Accounting Policies

### a) Basis of Accounting and Preparation of Financial Statements

The financial statements are prepared under accrual basis of accounting.

### b) Capital Fund

Fund received from MPEDA (founder of the society) are credited to capital fund. Excess of income over expenditure / (Excess of Expenditure over Income) for the year ended is also added/ (deducted) to / from the Capital Fund.

### c) Fixed Assets

Fixed Assets are stated at Cost less Depreciation

### d) Revenue Recognitions

SEAFOOD INDIA STALL derives revenue primarily from sale of seafood related goods. Arrangement with customers for sale of goods are on a fixed price. Revenue is recognized at the time of transfer of ownership (Sale).

### e) Depreciation

Depreciation is provided as per the rates prescribed under Income Tax Act, 1962. 50% of the normal depreciation has been charged in case of assets acquired after 30<sup>th</sup> September for the year.

### f) Valuation of Closing Stock

Closing stock of SEAFOOD INDIA STALL is valued at cost price. The cost of purchase includes cost price including Duties & Taxes, freight inwards and other expenditures attributable to the acquisition.

## II. Notes to Accounts

a) NETFISH is a Society registered under the Travancore - Cochin Literary, Scientific & Charitable Societies Registration Act, 1955 and the income of the Society is exempted under section 12AA of the Income Tax Act, 1962 vide order of the Commissioner of Income Tax Kochi dated 21.07.2008.

b) SEAFOOD INDIA STALL was set up by MPEDA for creation of more awareness within the Seafood Industry and also to thereby fuel interest in capture fisheries and value-added fishing products being exported abroad. The affairs of running the SEAFOOD INDIA STALL is being managed by NETFISH under an agreement dated 12<sup>th</sup> February 2019.

c) During the year 2019-20, an amount of Rs. 2,05,00,000 has been received from MPEDA (founder of the Society) and the same has been credited to Capital Fund.



- d) Travelling Expense incurred by State Coordinators and Field Staff in connection with Extension Activities are classified under extension Activities (Schedule 5).
- e) The details of UNDP Fund utilization is as under:

Particulars	As on 31.03.2019	During the Year	As on 31.03.2020
UNDP Fund received from MPEDA	1,67,75,000.00	0	1,61,75,000.00
Project Advance	0	0	0
Project Expense Payable	0	0	0
Amount utilized Mangrove Crab Project	(1,50,79,604.55)	(649.00)	(150,80,253.55)
Balance Fund in Hand	10,95,395.45		10,94,746.45

The Management Crab Project, Mumbai conducted on behalf of UNDP has been completed. The balance amount of Rs. 10,94,746.45 is refundable to UNDP. The same has been transferred and shown under Current Liabilities.

- f) Details of External Fund utilization is an under:

Party	Fund received during the year (Rs.)	Expenditure for the year (Rs.)	Balance (Rs.)
Fund received from NFDB Workshop	2,60,575.00	2,60,575.00	-
Fund received from NFDB Onboard Prog	16,80,000.00	15,23,137.50	1,56,862.50
FUND received Paradeep Port Trust	9,00,000.00	3,67,410.00	5,32,590.00
FUND received from CIFT	27,30,500.00	14,27,505.00	13,02,435.00
FUND received from Puducherry	11,79,532.00	6,69,592.00	5,09,940.00
FUND received from SEAI	50,000.00	50,000.00	-

- g) Value of Closing Stock

Value of closing stock is as values and confirmed by Management.

- h) Trade Payables

As on 31/03/2020 trade payable of SEAFOOD INDIA STALL amounting to Rs. 8,79,336.88/- is subject to supplier's confirmation.

- f) Previous year figures have been regrouped wherever necessary



## OFFICE BEARERS 2019 - 20



**Sri. K.S. Srinivas, IAS**  
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**Dr. Joice V. Thomas**  
Chief Executive, NETFISH  
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**Sri. Vinod V.**  
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## ACCOUNTS

**Remya K.R.**  
Accountant



**Swapna Cleatus**  
Accounts Assistant





## Network for Fish Quality Management and Sustainable Fishing (NETFISH)

(A Registered Society of MPEDA, Ministry of Commerce & Industry, Govt. of India)

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