

NETFISH - MPEDA
ANNUAL REPORT
2020-21



156 YEARS OF CELEBRATING THE MARKET

PROGRAMME ON HARVEST LOSS

Organised by:
H-MPEDA, KOLKATA
Ministry of Commerce & Industry
Govt. of India

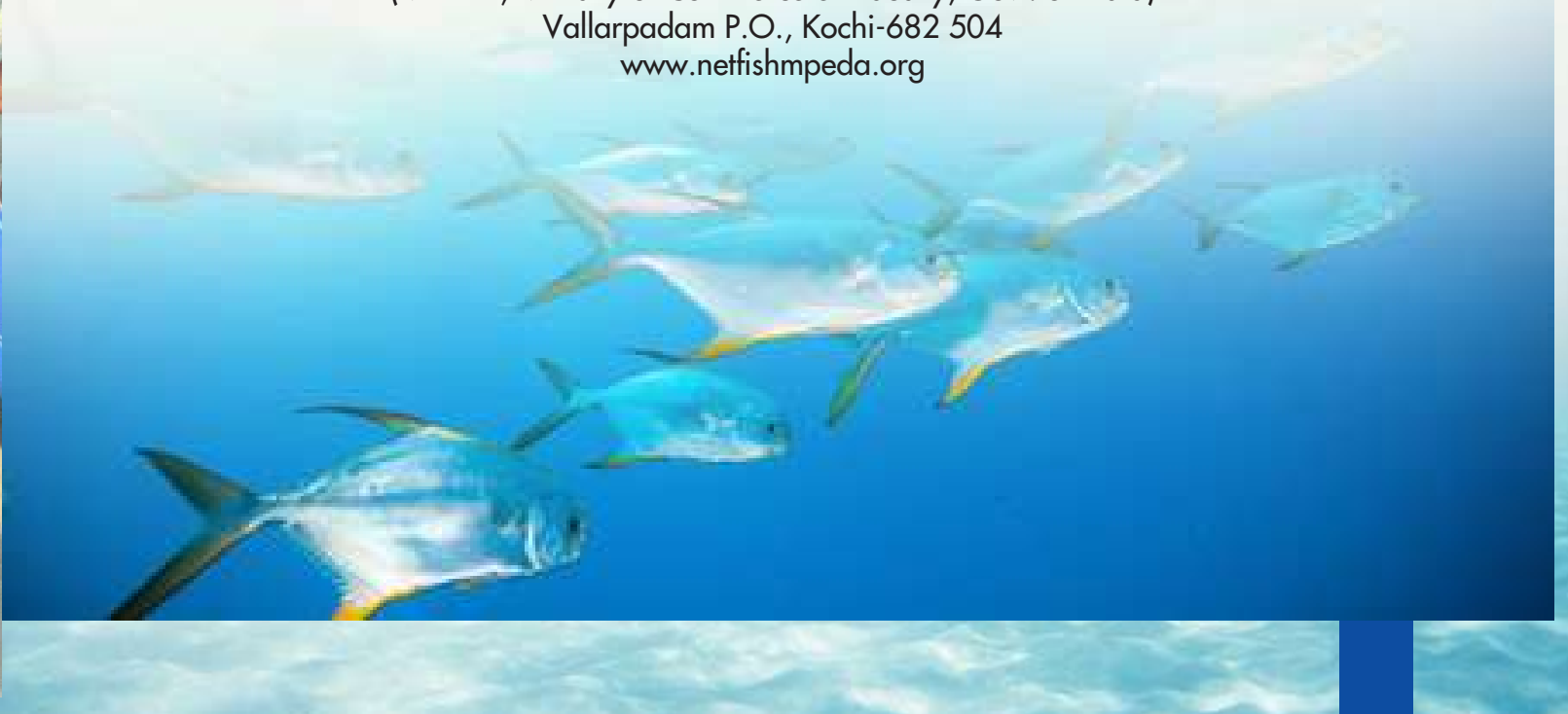
ANNUAL REPORT

2020-21



Network for Fish Quality Management and Sustainable Fishing (NETFISH)

(MPEDA, Ministry of Commerce & Industry, Govt. of India)
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NETFISH Annual Report 2020-21

Published by:

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Printed at:

St. Francis Press

St. Benedict Road, Kochi

ISSN 2394-8795

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ABBREVIATIONS

AD	- Assistant Director
ATM	- Anytime Water Machines
CIFNET	- Central Institute of Fisheries Nautical and Engineering Training
CIFT	- Central Institute of Fisheries Technology
CMFRI	- Central Marine Fisheries Research Institute
COVID	- Coronavirus disease
CSR	- Corporate Social Responsibility
DD	- Deputy Director
FFPO	- Fish Farmers Producer Organization
FH	- Fishing Harbour
FPO	- Farmer Producer Organizations
FRP	- Fibre-reinforced plastic
FV	- Fishing Vessel
GI	- Galvanized Iron
GMP	- Good Manufacturing Practices
HACCP	- Hazard Analysis Critical Control Points
HDC	- Harbour Data Collector
HDPE	- High Density Polyethylene
ICAR	- Indian Council of Agricultural Research
LC	- Landing Centre
MFRA	- Marine Fishing Regulation Act
MOU	- Memorandum of Understanding
NABARD	- National Bank for Agriculture and Rural Development
NGO	- Non-Governmental Organization
PC	- Processing Centre
PMMSY	- Pradhan Mantri Matsya Sampada Yojana
PPC	- Pre-Processing Centre
PVC	- Polyvinyl chloride
RD	- Regional Division
SC	- Scheduled Caste
SCO	- State Coordinator
SRD	- Sub Regional Division
ST	- Scheduled Tribe
UT	- Union Territory

EXECUTIVE SUMMARY

- A total of 829 nos. of extension programmes were conducted, benefitting 17402 fishery stakeholders in marine sector.
- 337 nos. of Fishing vessel based programmes were conducted for the 11 clusters of fishing vessels formed at 11 harbours, to reduce post harvest loss onboard and these fishing vessels have started practicing pre-cooling method and are earning more money due to the good quality and appearance of the raw fish.
- 102 nos. of Harbour based programmes were conducted at 11 selected harbours to reduce post-harvest loss at fish landing sites through adoption of hygienic fish handling practices.
- 99 nos. of Pre-processing training programmes were conducted in 99 unorganized PPCs to impart hygienic fish handling and sanitation practices among the workers.
- 65 nos. of one day trainings were conducted at 65 Seafood Processing factories on need basis to improve the quality of the products exported.
- 58 nos. of dryfish trainings were conducted to familiarize better handling and drying methods for improving the quality of dryfish products.
- Formed 129 whatsapp groups in 98 fishing harbours and disseminated various information, awareness messages, NETFISH leaflets, videos etc. on a daily basis, reaching about 8100 stakeholders.
- Distributed 15000 face masks to the fishermen and harbour workers at Thoppumpady and Chellanam fishing harbours with the CSR fund from Cochin Shipyard as support during the pandemic condition.
- NETFISH entered into an MOU with Azim Premji Foundation and rendered support for data collection and facilitation for a research project titled as “Supply and Demand Drivers of Dried Fish: A Study in Karnataka” as part of a larger project titled “Dried Fish Matters” of the Azim Premji University (APU).
- Under the ICAR-CIFT SCSP programme, 44 awareness trainings on Fish Quality Management and Conservation onboard and harbours, Trainings on Hygienic method of fish drying, Skill development training on Value addition of fishery products and Awareness on Sea safety & navigation were conducted in West Bengal and Karnataka and fishing implements such as Insulated Fish/Ice box, Life Buoy and Monofilament Gill net and a fish food kiosk were distributed benefitting the SC fishers at SC fisherwomen Society, Thottam, Uduppi District.
- Utilizing the CSR fund of Paradeep Port Trust, 48 nos. of capacity building programmes were organized for fisher folks in Odisha with the aim to enrich their knowledge on hygienic fish handling and preservation, responsible fishing and sustainable management in the marine fisheries sector, development of dry fish, fish processing technology and to develop the skill of fishers to secure their livelihood.

- For the welfare of SC/ST fishers, two projects have been implemented in Vaikom with the fund received from MPEDA-aimed at enhancing the livelihood of 100 fishermen families in Vaikom region, Kerala by equipping them with fishing crafts, gears and engines and to enhance the production of good quality dry fish products by providing with solar dryers.
- Provided crates and HDPE Trawl nets with square mesh cod ends to the SC fishers in Udupi district, Karnataka and Insulated Fish Boxes to the SC fishers in West Bengal, supporting them in adopting improved fish handling and chill killing / chill washing practices so as to reduce post-harvest loss and generate more income.
- As part of MPEDA-CMFRI joint programme, collected the data on Marine Mammal and Sea Turtle by-catch by interviewing 6408 fishermen at 138 harbours across the maritime states.
- Fish catch and Boat arrival data were collected on a daily basis from 101 harbours during April 2020 to March 2021 to facilitate the catch certification scheme of MPEDA. A total of 6,91,054.26 tonnes of fish catch and 3,55,938 nos. of boat arrivals were recorded during the period.
- Conducted a mass awareness programme and meetings as Turtle conservation initiatives at Vizhinjam and nearby coastal regions in Kerala.
- Associated with CIFNET, Kochi in organizing 8 nos. of Sea Safety & Navigation training programmes for fishers in Kerala and Odisha.
- Observed Swatchhta Pakhwada 2020 by organizing 11 nos. of harbour/coastal clean-up programmes.
- World Fisheries Day was celebrated by organizing a harbour cleanup programme at Mudasaloodai fish landing centre and Anankovil fish landing centre in Tamil Nadu, jointly with Department of fisheries.
- Distributed ten numbers of Square mesh cod ends to the cluster boats in Vypin fishing harbour free of cost with the support of Tufropes Pvt. Ltd.
- Due to NETFISH's intervention, 300 nos. of square mesh cod ends were purchased by the boat owners in the Harnai fishing harbour and are being used in the trawl fishing for the conservation of fish resources.
- Implemented Vessel log sheet system in Mangrol FH with the support of Mahavir Cooperative Society, Mangrol.
- Two short animation awareness videos on 'Square mesh cod end' and 'Stop juvenile fishing' were developed in 10 languages and disseminated among the fishery stakeholders & officials through social media.
- One FPO named 'South Coast Fisher Producer Company Pvt. Ltd.' was formed under the Guidance of NETFISH, Tuticorin and with the financial support of NABARD.
- Educated the fishermen, harbour workers, fishing crews, boat owners, auctioneers etc. on Covid-19 guidelines giving special emphasis to the protocols to be followed in fishing harbours and fishing vessels.

NETFISH PROFILE

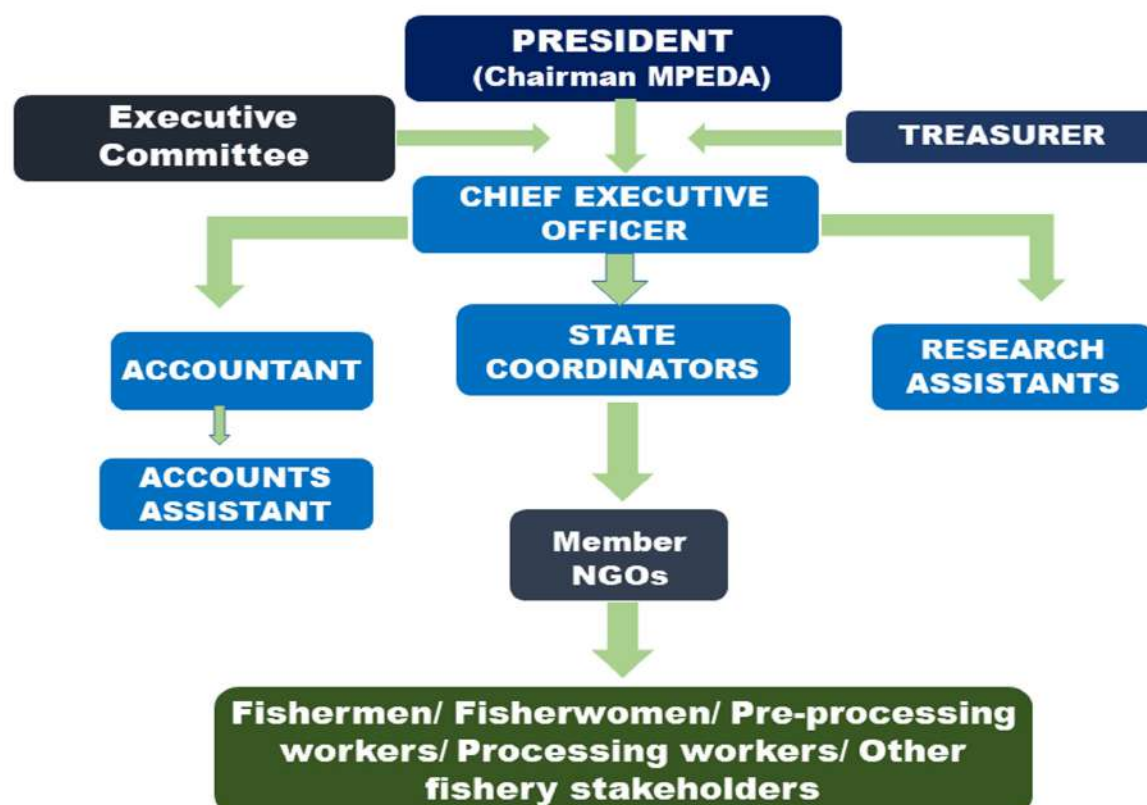
Network for Fish Quality Management and Sustainable Fishing (NETFISH) was formed as a society under the aegis of Marine Products Export Development Authority (MPEDA). The Society was registered on 1st August 2006 at Ernakulam under the Travancore–Cochin Literary, Scientific and Charitable Societies Registration Act, 1955. NETFISH was formulated 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.

VISION

Our vision is 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 seafood catch and how to ensure sustainable fisheries development. The overall objective of NETFISH is to improve sustainable livelihoods in the fisheries sector and to make concrete progress towards meeting the goals in fisheries.

ORGANOGRAM



EXTENSION APPROACH

- Impart training to fishers at the grassroots level on various export market demands pertaining to traceability, sustainability/conservation, post-harvest quality loss etc.
- Conducts grass root level training programmes in fishing vessels, fishing harbours, landing centres, pre-processing and processing factories and Dry fish sector in all maritime states of India.
- Collaborate with State Fisheries Departments, Fisheries Institutes and various Non-Governmental Organizations (NGOs) working in the sector for conducting various extension activities among the fisher folk and for the development of infrastructure facilities at fish handling points.
- Collects real-time daily data on boat arrivals and fish landings from every boat landing at the major fishing harbours/LCs across all the 9 maritime states of India.
- Facilitate skill development of fishers for improving their livelihood.

STRATEGY FOR THE YEAR 2020-21 ●

In the financial year 2020-21, major emphasis was given to conduct Harbour/landing centre and fishing vessel based awareness programmes to reduce post-harvest loss in capture fisheries through better handling practices and to promote sustainable fishing through implementation of

by-catch reduction measures. Each region was assigned a minimum target of 66 programmes including regular awareness classes and special programmes. In total 726 extension programmes were planned to be executed during 2020-21 as per the break-up given in Table 1.

Table 1: Target for the year 2020-21

State/Region	FV	Harbour	PPC	PC	Dryfish	Special Pgm.	Total
West Bengal	30	10	10	10	5	1	66
Odisha	30	10	10	10	5	1	66
Andhra Pradesh North	30	10	10	10	5	1	66
Andhra Pradesh South	30	10	10	10	5	1	66
Tamil nadu North	30	10	10	10	5	1	66
Tamilnadu South	30	10	10	10	5	1	66
Kerala South	30	10	10	10	5	1	66
Kerala North	30	10	10	10	5	1	66
Karnataka & Goa	30	10	10	10	5	1	66
Maharashtra	30	10	10	10	5	1	66
Gujarat	30	10	10	10	5	1	66
Total	330	110	110	110	55	11	726

EXTENSION ACTIVITIES DURING 2020-21

NETFISH operates in all the maritime states of India, conducting grass root level training programmes for fishery stakeholders at areas in and around selected fishing harbours and landing centers in these states. In the financial year 2020-21, NETFISH has conducted 829 numbers of extension activities benefitting around 17447 fishers/fishery stakeholders. This included 725 regular awareness programmes and 104 numbers of joint/external funded programmes such as capacity building awareness programmes with CIFT & CIFNET, Paradeep port trust funded

programmes, MPEDA funded SC/ST welfare trainings etc. In addition to this, NETFISH had coordinated with various institutions /organization and conducted dry fish surveys, Marine mammal & Sea turtle by-catch surveys, Sea turtle conservation programmes, Campaign on covid-19 protocols in seafood sector, Formation of FPO etc. A number of virtual discussions/ meetings were organized in all regions and awareness messages and information related to fisheries sector were disseminated among stakeholders through social media platform.

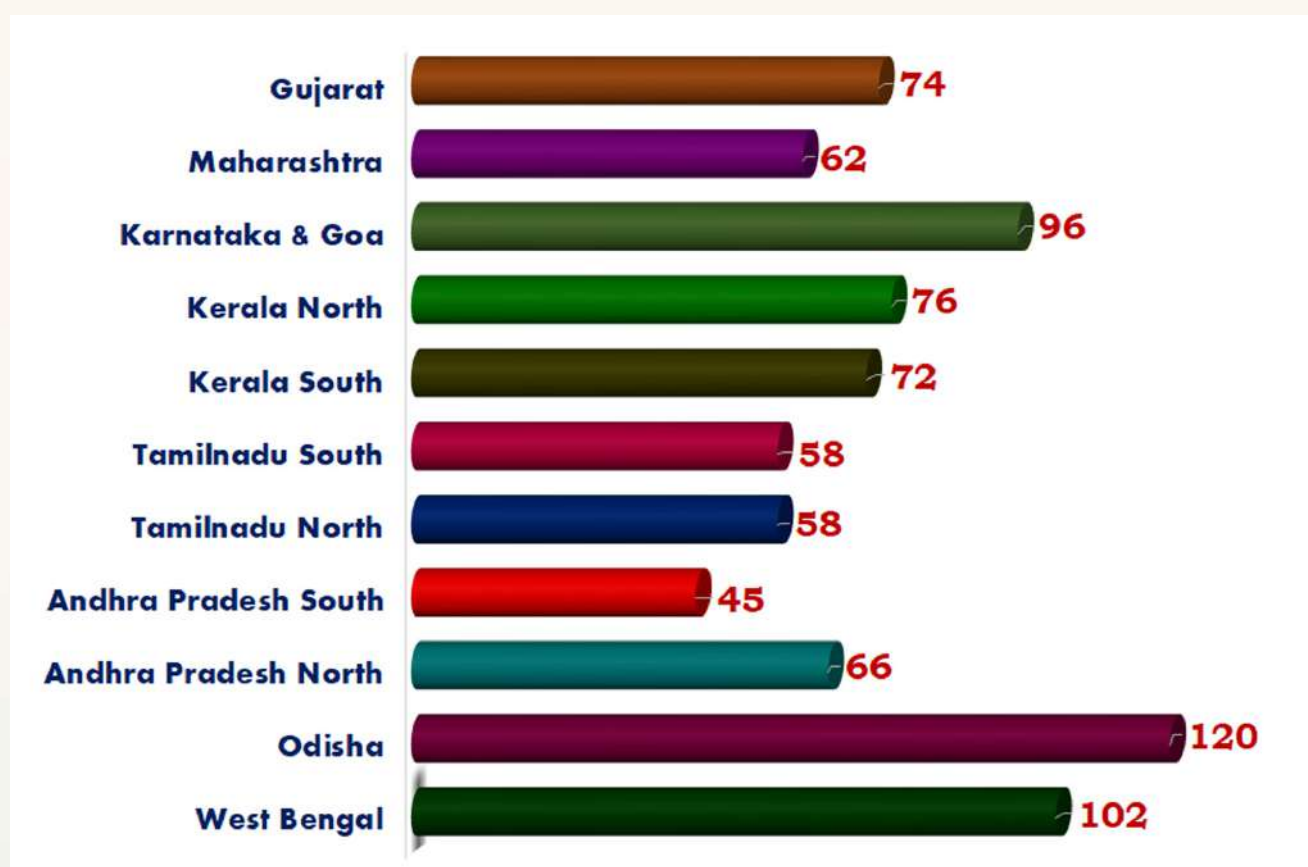


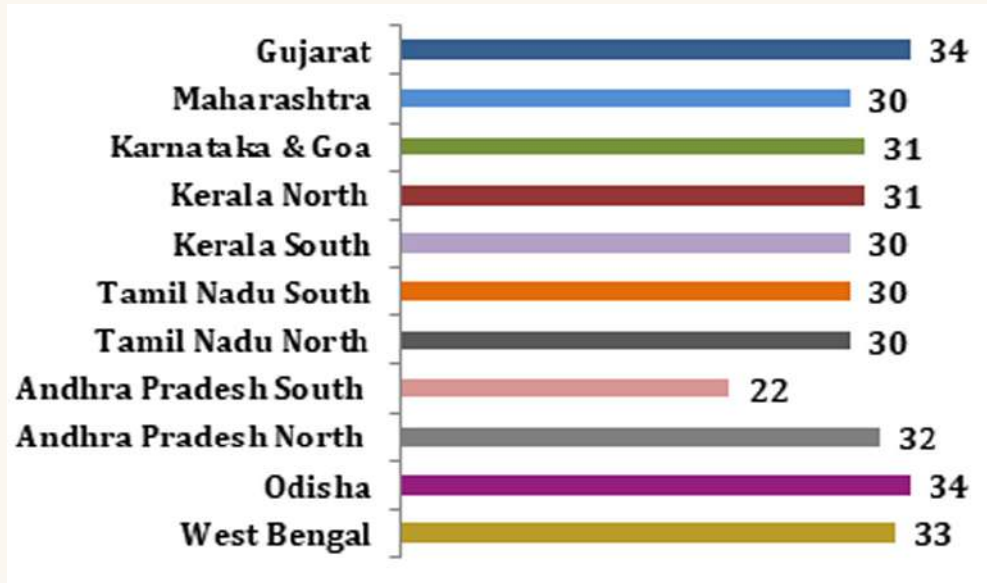
Fig 1. State/Region-wise representation of number of training programmes conducted during 2020-21

Table2: State wise details of Extension training programmes conducted during 2020-21

SN	Type of Programme	West Bengal	Odisha	Andhra Pradesh North	Andhra Pradesh South	Tamilnadu North	Tamilnadu South	Kerala South	Kerala North	Karnataka & Goa	Maharashtra	Gujarat	Total
I NETFISH Funded													
1	Fishing Vessel based Programmes	33	34	32	22	30	30	30	31	31	30	34	337
2	Harbour based Programmes	10	10	11	9	10	1	10	10	11	10	10	102
3	Pre-processing centre based programmes	10	10	8	9	10	3	10	10	10	9	10	99
4	Processing Centre programme	13	10	5	0	1	10	6	6	1	7	6	65
5	Dry fish Development programmes	8	5	5	5	5	5	5	5	5	5	5	58
6	Special Programmes	7	3	5	0	2	8	7	11	11	1	9	64
	Total	81	72	66	45	58	57	68	73	69	62	74	725
II EXTERNAL Funded													
1	CIFT sponsored programmes for SC Fishers	20								26			46
2	Paradeep Port Trust funded programmes for fishers in Odisha		48										48
3	CIFNET Joint Training on Sea Safety, Navigation and KMFRA							3	3				6
4	MPEDA funded SC/ST welfare programmes	1						1		1			3
5	FPO Formation- NABARD funded					1							1
	Total	21	48	0	0	0	1	4	3	27	0	0	104
	GRAND TOTAL	102	120	66	45	58	58	72	76	96	62	74	829
	Total Beneficiaries	2194	2549	1483	899	1745	1227	1764	1265	2115	983	1223	17447

❖ NETFISH FUNDED PROGRAMMES

Fishing Vessel Based Programmes



A total of 11 fishing vessel cluster with 10 boats in each cluster was selected as model boats in 11 fishing harbours to practice hygienic handling method to improve the quality of fish being landed in the fishing harbor by reducing post-harvest loss. The selected fishing harbours were Deshapran, Paradeep, Visakhapatnam, Nizampatnam, Cuddalore, Thengapattinam, Thoppumpady, Vypeen-Kalamukku, Gangolli, Harne, and Veraval. Meetings and discussions were arranged with boat owners, skippers and fishermen and awareness classes and demonstration programmes were conducted in the cluster boats on various topics such as sustainable fishing practices, conservation of juveniles by introducing square mesh cod ends, control of post-harvest loss to fetch better price to the catch, onboard chill killing practice, etc. Assessment of post-harvest loss was also conducted in these fishing vessels and the improvement in catch quality before and after chilling practice were discussed with boat owners and other fishermen.

To follow responsible fishing and to practice quality management, NETFISH supported the fishermen by providing fishermen aid material with a contribution of 50% of the total cost. Utilizing this scheme, 2 fishing vessels in Pradeep have purchased 10 Square mesh cod ends, the cluster boats at Vizag harbour have purchased 10 numbers of insulated fish boxes of 250L capacity and in Kerala South region, the boat owners have purchased Insulated fish tubs of 660 L capacity, fishing nets, fishing ropes, square mesh cod ends, crates, Gumboots, gloves, shovels, working uniforms, GI Chains, Jumbo box, Floats, basket etc.

Achievements:

- The fishing vessels in the clusters have started practicing chill killing/pre-cooling method and are earning Rs.15/- to Rs. 30/- extra per Kg due to the good quality and appearance of the materials.
- By adopting good fish and ice handling practices and preservation techniques onboard the

post-harvest loss could be reduced by about 10-15 % in these vessels.

- Ice handling practice has improved in fishing vessels.
- The fishing crews are following good personal hygiene and proper hand washing procedures.
- Some of these vessels have adopted using square mesh cod ends in their trawl nets for the protection of juvenile fishes.
- The fishers have started releasing protected

animals like marine mammal and sea turtles caught accidentally during fishing

- The quality of Tuna landed at Thengapattinam harbor has improved and there the boat owners have agreed to reduce the fishing days to improve the Tuna meat quality.
- Seeing the improvements in the cluster boats, other fishing vessels in the harbours are adopting chilling practice for fetching better rate for their catch.



Vessel based programme at Deshapran



Vessel based programme at Paradeep



Vessel based programme at Thoppumpady



Vessel based programmes at Vizag- 1.Demonstrating chill killing 2.Assessing post-harvest loss



Vessel based programme at Cuddalore

Vessel based programme at Thengapattinam



Vessel programme at Harne

Vessel programme at Gangolli



Vessel based programme at Vypeen

Chill killing practice in fishing vessel at Thoppumpady FH

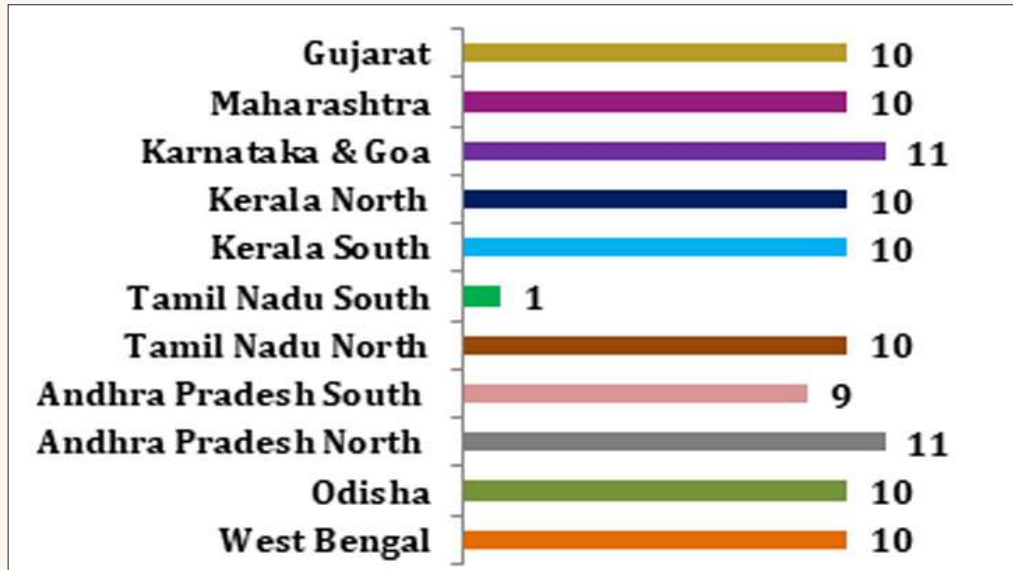


Demonstrating chill killing during fishing vessel based programme at Veraval



Appreciation for the owner, captain & crew of fishing vessel 'Jalsagar' who adopted chill killing method in their vessel to reduce post harvest loss.

Harbour Based Programmes



A series of meetings and discussions were conducted with boat owners and association members, skippers, auctioneers, fishermen and all major stakeholders' regarding possible ways to reduce post-harvest loss. For this the present facilities and lacunas in the fishing harbor was first identified and the need to upgrade the system was discussed during the meetings. They were given with awareness on Hygiene and sanitation practices, Post-harvest loss and its impacts, Personal Hygiene, Use of plastic baskets, crates and plastic sheets for hygienic handling of ice and fish, Covid 19 guidelines for fishing vessels and fishing harbours, Do's and don't's at fishing harbours, etc. Proper schedules for cleaning and sanitation of harbour after work were introduced to them to keep the harbor clean. NETFISH posters, leaflets, animation films and videos were shown to the fishers to convince the matter easily.

Achievements:

- Hygienic handling practices have improved at these selected fishing harbours.
- Fishers have started using plastic crates/boxes/sheets for keeping fish for sorting/auction/transportation thereby avoiding contact with floor.
- The crates are being properly cleaned before loading the catch for auction and proper icing is done in the catch for maintaining the quality until it is transported from the harbor.
- Fishermen started using plastic shovels instead of rusted shovel for handling of fish and ice.
- In some of the fishing harbours, fishermen are using raised platform for fish auctioning.
- The fishes are transferred to auction markets in covered vehicles to protect against dust and retain the quality.
- Crushed ice is shifted from vehicle to the boat or from vehicle to crates directly without dumping on floor.
- Personal hygiene practices improved. Fishermen using gumboot, hand gloves, face mask and caps while handling fish.
- Fishermen started collecting solid waste in dustbin instead of throwing in to the sea.
- The handling of big size Tuna has improved as the fishermen started bringing the fish to the traders by keeping over their shoulder instead of the earlier practice of dragging the fish on sand.



Harbour programme at Munakkkadavu



Harbour programme at Chilka



Harbour programme at Vizag



Harbour programme at Nizampatnam



Harbour programme at Cuddalore

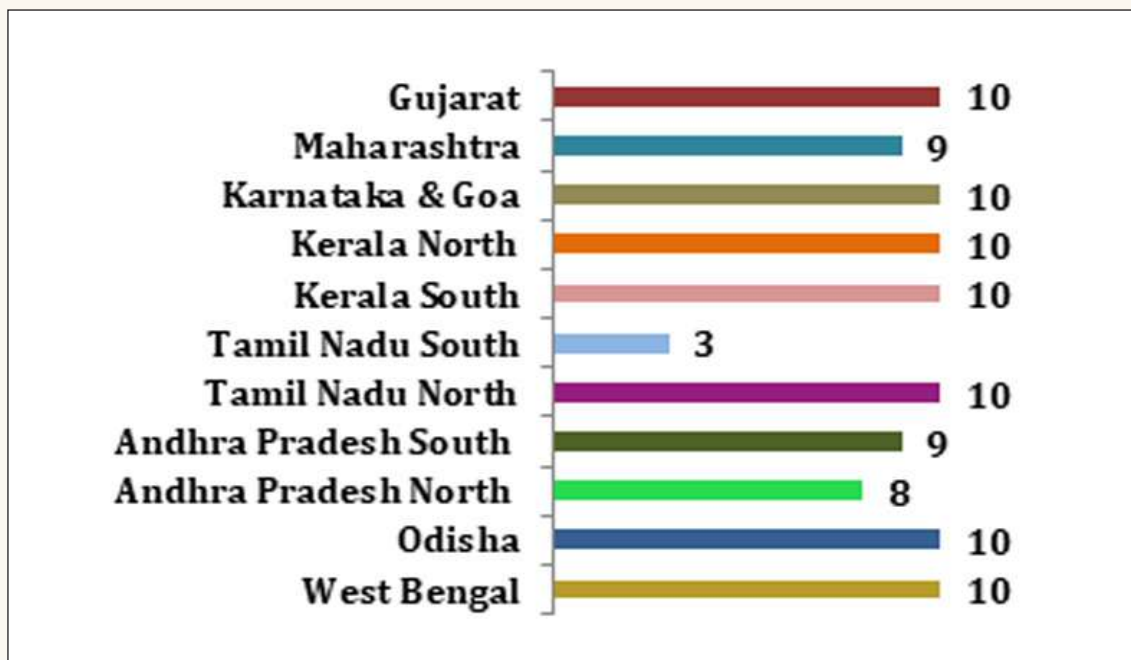


Harbour programme at Freserganj

NETFISH efforts to improve the total hygienic and operational standards of Munakkakadav Fishing harbor has started to give results in many aspects including harbour hygiene, workers personal hygiene, fish handling practice etc. In order to document the achievements, a video shooting was done in the harbour on 19/1/2021



Pre-Processing Centre Training Programme



PPC programme at Raigad

Generated awareness on sanitation and hygiene practices in the workers, supervisors and technologist in seafood processing centers and peeling sheds. The beneficiaries were given awareness on various topics including sanitation & hygiene practices in pre-processing center, hygienic handling of shrimps, role of ice, fish spoilage and role of microbes, personal hygiene & habits, proper use of change room, abuse of antibiotics and Covid-19 guidelines in seafood sector, etc. Practical demonstrations of change room activities and hand washing procedure were also done in the programme with the aid of NETFISH leaflets,

posters and movies. The PPC owners were urged to provide basic infrastructure facilities needed for improving the work condition. NETFISH distributed training kits such as apron, gloves, head gear, mouth mask to the trainees as an encouragement to adopt hygienic practices. As there are no proper facilities available in the peeling centre, some of the peeling shed owner agreed to set up modern facilities for pre-processing activities meant for export if they get financial support. The peeling workers have agreed to wash their hand with soap before handling fish/shrimp and also to follow COVID-19 regulations in the work place.



PPC Programme at Vizag



PPC programme at Munambam

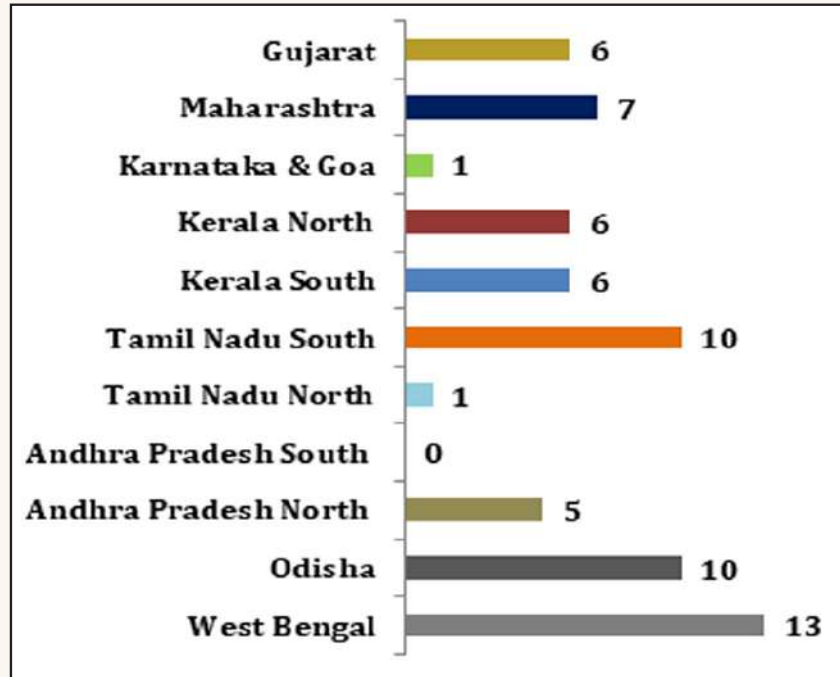


PPC programme at Nizampatnam



PPC programme at Cuddalore

Processing Centre Training Programme



Practical session during the Processing training at Tuticorin

To create trained personnel in terms of fish quality management in seafood sector, training programmes were conducted in seafood processing factories on demand basis by collecting a nominal fee. A total of 65 numbers of one day trainings were conducted at 65 Seafood factories by charging Rs. 10,000/- per training and thereby NETFISH could generate Rs.6,50,000/- as external income. The Supervisors, Technologist, Processing Workers, Plant managers, Production managers were given awareness and hands-on-training on Sanitation & hygienic practices, Hygienic handling,

HACCP, GMP & SSOPs, Personal hygiene & habits, COVID-19 guidelines for Seafood sector etc. Awareness films on sanitation and hygienic practices in seafood processing centre was shown to the participants and posters and leaflets were distributed and explained to them in the programme. Training certificates were also distributed among the participants. The exporters have well appreciated the training modules of NETFISH and the workers are maintaining high degree of hygiene and sanitation practices at work and following proper usage of toilets and change rooms.



Certificate distribution during processing programme



Processing programme at Paradeep



Processing programme at Chennai



Processing Programme at Abad Fisheries, Munambam



Processing programme at Veraval

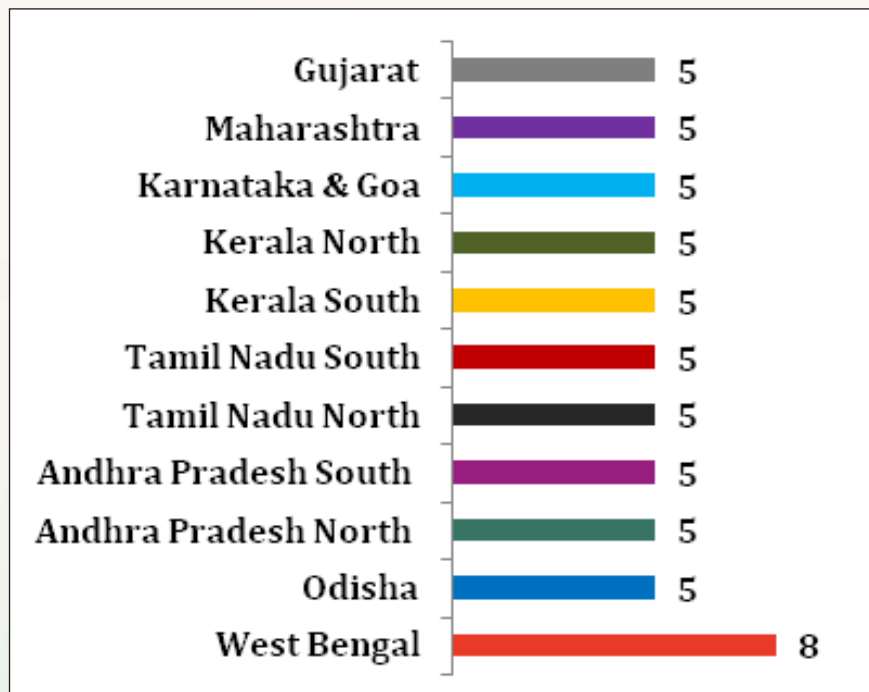


Demonstration of proper hand washing procedures



Processing programme at Raigad

Dry Fish Training Programme



To create awareness among fishers on hygienic production of dry fish and to improve the export of dry fish products, awareness classes were conducted for the dry fish workers and other stakeholders in the dry fish industry. The fishers especially the fisherwomen were given awareness on hygiene practice of dry fish production, uses of solar dryer and formation of FFPO etc. and also distributed training kits such as aprons, gloves,

head gears and mouth masks. In Andhra region, fish crates, weighing machine, sealing machine and packing material were also distributed as fishermen aid. The quality of dry fish has been improved and are getting better price. The exporters have started sourcing the dry fish from the dry fish yards located at coastal districts of West Bengal due to its better quality. Uses of harmful chemicals in dry fish could also be reduced to a great extent by the awareness programmes.



Dry fish programme at Mangamaripeta



Dry fish programme at Vodarevu



Training on dry fish handling at Kanyakumari



Dry fish programme at Chellanam



Dry fish programme at Gangolli



View of Fish drying area at Balramgadi



Fishers engaged in drying activity



Dry fish training at Gujarat

In Andhra Pradesh North region, the Visakhapatnam Port Trust came forward to supply one solar dry fish unit to the NETFISH identified fisher group to encourage them with hygienic fish drying practice. The solar dry fish unit with a capacity of 400 kg/day was established with a budget of Rs.6,40,000/- by Visakhapatnam Port Trust and handed over to the beneficiaries through Dept.of Fisheries. Visakhapatnam Port Trust is also constructing a 300 m roofed shed with cement plat form for the dry fishers to keep their products hygienically. NETFISH gave demonstration training and trial run about the operation

procedures of the dry fish unit to the fishers for the production of hygienic dry fish products and asked them to sell the products in packaged form. In the demonstration programme conducted at Mangamaripetta on 5th February 2021, the SCO explained the method of hygienic production of dry fish and the standard to be followed in producing quality dry fish for getting better price. The methods of grading, trimming and packing were explained to the trainees. The products were packed in 50 grams packets to sell in their own counter at beach road.



Special Programmes

SQUARE MESH IMPLEMENTATION PROGRAMMES

NETFISH Odisha in association with OMFPA (Orissa Marine Fish Producer Association) had conducted a special programme on implementation of Square mesh cod end at Paradeep fishing harbour on 23rd March 2021. Around 35 participants including Marketing Head & Regional Domestic Marketing Manager from Tufrope Company, Members from OMFPA, SCO & fishermen were attended the programme. During the pro-

gramme State Coordinator explained the benefits of the square mesh cod end and requested the trawler owners to use square mesh cod end in their fishing vessels. Demonstration of use of square mesh cod end was also conducted during the programme. All the trawler owners were happy seeing the benefits of use of square mesh cod end and they agreed to use it in their fishing vessels.



As an effort to encourage fishers on sustainable fishing practice, NETFISH had distributed ten numbers of Square mesh cod ends to the cluster boats in Vypin fishing harbor free of cost with the support of Tufropes Pvt. Ltd. In Paradeep fishing harbour 5 nos. of square mesh cod ends were distributed to the 2 nos. of cluster boat owners with 50% beneficiary contribution. Due to NETFISH's intervention, 300 nos. of square mesh cod ends were purchased by the boat owners in the Harnai fishing harbour and are being used in the trawl fishing for the conservation of fish resources.



Square mesh codend distribution at Vypin

MASS COMMUNICATION PROGRAMMES IN ANDHRA PRADESH

NETFISH in association with Visakhapatnam Port trust had arranged 2 numbers of Mass awareness programme at Vizag fishing harbour. A vehicle decorated with banners and posters with information on hygienic handling and transportation

of catch and need of toll collection in fishing harbour, was used to bring out wide publicity among the fishers. Handouts with the details of committee decided toll rate for various vehicles were also distributed during the programme.



WORLD FISHERIES DAY CELEBRATION

A harbour clean-up programme was organized jointly with Department of fisheries on the occasion of World Fisheries Day on 21st November 2020 at Mudaloodai fish landing centre and Annankovil fish landing centre. More than 100 volunteers had participated in the clean-up programme and the collected waste was handed over to Municipal staff for disposal.



SWACHTA PAKHWADA PROGRAMME ●

Organized 11 numbers of Clean-up events at harbours/landing centers as part of Swacchta Pakhwada campaign during 1-15th November 2020. The main objective of the drive was to generate awareness among fishermen community and the general public about importance of hygiene at fish landing sites and the need to conserve ocean from plastic pollution. This year special emphasis was given to create awareness about importance of following COVID 19 safety protocols while at work. All the programmes were organized by following the Covid-19 precautions and protocols. Fisheries officials, Fishermen association members, boat owners, crew members, fisherwomen workers and general public were actively involved in the programmes and removed all sorts of wastes such as plastic bottles, carry bags, plastic packets, broken nets, thick grass, fallen leaves etc. from the harbour/landing centre premises and disposed them safely. In all the programmes, NETFISH distributed masks, sanitizer, gloves, caps, T-shirts and cleaning materials among the participants.



Participants of Harbour clean up at Deshapran FH



Harbour workers cleaning Balramgadi landing center



Swachhta event at Nagapattinam



The event at Vizag FH



Clean-up at Theresapuram



Swachhta Pakhwada campaign at Thottappally



Clean up event at Ponnani



Swatchhhta event at Gangolli



Swachhta programme at Sakharakshi landing centre



Clean up held at Veraval

MARINE TURTLE CONSERVATION PROGRAMME AT VIZHINJAM

Sea turtle play an important role in ocean ecosystems by maintaining healthy sea grass beds and coral reefs, providing key habitat for other marine life, helping to balance marine food webs and facilitating nutrient cycling from water to land. Marine turtle are endangered animals and protected by the 1972 “Indian Wildlife Protection Act”. Catching, killing or selling any parts of this animal is punishable with imprisonment. As an initiative for turtle conservation programme NETFISH has organized a mass awareness programme and meetings were conducted at

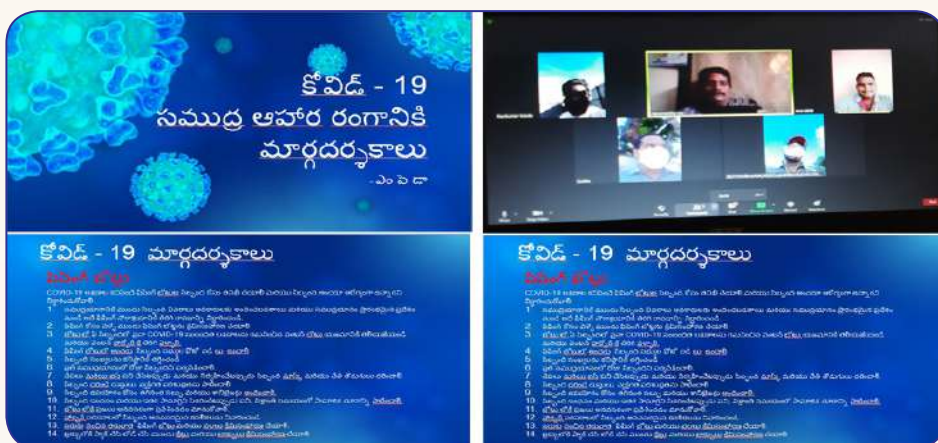
Vizhinjam and nearby coastal regions in Kerala. The fish vending ladies, auctioneers and fishermen at Vizhinjam harbor, Puthiyathura, Pulluvila coastal areas and Mangalathukonam market were met and also contacted local leaders and church officials. NETFISH leaflets on Marine turtles were distributed among them and they were made aware of the importance of turtle conservation. The church officials have agreed to support NETFISH in the endeavor by communicating the awareness messages through their public address system and by joint awareness programmes.



SCO giving Awareness to fishers on Turtle conservation at Vizhinjam & Adimalaithurai



Awareness programme on Covid 19 Guidelines at Vizag



View of Virtual Awareness on Covid-19

OTHER SPECIAL ACTIVITIES

USAGE OF SOCIAL MEDIA FOR EXTENSION

NETFISH had started virtual awareness programme through 129 whatsapp groups formed in 98 different fishing harbour/landing centers to disseminate awareness information regarding quality management and sustainable fishing.

Now all the stakeholders including boat owners, fishers, auctioneers, packers, etc. are the active members in the social media group and they do sharing the information further to their contacts.

HARBOUR DATA COLLECTION

Fish catch and Boat arrival data were collected on a daily basis from 101 harbours during April 2020 to March 2021 to facilitate the catch certification

scheme of MPEDA. A total of 6,91,054.26 tonnes of fish catch and 3,55,938 nos. of boat arrivals were recorded during the period.



Harbour Data Collection by HDC

DISTRIBUTION OF FISHER AID MATERIALS ●



Distribution of Plastic basket basket in Paradeep FH



Distribution of Insulated fish box to the cluster boats in Vizag

IMPORTANT MEETINGS

1. A meeting was convened with Regional Manager-ER & Assistant General Manager, AAI Cargo Logistics and Allied Services Co. Ltd, Kolkata on 4th November 2020 to discuss about infrastructure development for chilled, ice and ornamental fish export. DD MPEDA, Kolkata and State Co-ordinator NETFISH had discussed with the airport authority regarding the issues raised by the exporters regarding the facilities required at Kolkata airport.
2. Meetings were conducted with the harbor officials, stakeholders and association members to discuss about harbor issues, joint programmes with other organizations, methods to reduce post-harvest loss, implementation of square mesh cod ends, development of dry fish activities, SC/ST fishermen projects, Turtle and mammal conservation programmes, Covid-19 protocol in seafood sector, etc.
3. NETFISH had organized a webinar on “Issues, challenges, community mobilization, management, finance, marketing, liaison and network in the formation of FPOs” on 30th September 2021. Mr. Pardha Saradhi, Secretary, SEARCH, NGO, Andhra Pradesh delivered the talk and presentation. MPEDA Officials at RD/SRDs, NETFISH officials and member NGOs had attended the programme.
4. To discuss on the concept of cluster formation at Kakinada fishing harbor and to submit project proposal under PMMSY scheme by MPEDA, a meeting has been arranged by State Coordinator, NETFISH on 5th August 2020. Officials from MPEDA, Dept. of fisheries, exporters, Tuna Fishing Boat Owner’s Association members and HDC were attended the meeting. State Coordinator explained the benefits of formation of cluster, pre-cooling of catch and enhanced fish rate. AD, Fisheries appreciated the concept and suggested to form the cluster initially with tuna fishing boats. AD, SRD MPEDA asked the exporters to support the cluster boats with regular purchase of catch with better price.
5. For the introduction of square mesh cod ends in Vizag fishing harbour, SC NETFISH along with AD SRD, MPEDA had arranged a meeting with the officials of TUFROPES Company at SRD MPEDA, Vizag on 27th November 2020. During the meeting, AD, MPEDA explained the extension activities carried out by NETFISH for Fish Quality Management and Conservation Fishery resources. SCO asked the TUFROPES Manager to introduce square mesh cod ends at Visakhapatnam fishing harbor. He assured that they will supply sample cod ends to the NETFISH identified boat owners.
6. On 16th December 2020, NETFISH had organized an officer’s meeting at Dept of Fisheries office, Visakhapatnam FH to discuss on roles and responsibilities of high level fishing harbour management committee approved by Joint Collector and President of Committee. During the meeting, SCO NETFISH had selected as the Advisor of the Fishing Harbor Management Committee.

❖ EXTERNAL FUNDED PROGRAMMES

CIFT FUNDED CAPACITY BUILDING PROGRAMMES FOR SC FISHERS ●



With an aim to improve the living condition of SC ST fishermen in coastal districts, NET-FISH with the financial assistance of ICAR-CIFT had conducted awareness programmes in West-Bengal & Karnataka. A total of 46 programmes consisted of Awareness trainings on Fish Quality Management and Conservation onboard and harbours, Hygienic method of fish drying, Value addition of fishery products and Sea safety & navigation and Distribution of Fisher aid materials such

as Insulated Fish/Ice boxes (53 Units), Life Buoys (27 Units), Monofilament Gill nets (10 Units-115 Kg) and a fish food kiosk to the fishers of SC fisherwomen Society, Thottam, Uduppi District were carried out during the year. In West Bengal, establishment of a solar dryer is progressing under the project which will be beneficial for the SC fishers in enhancing the quality of dry fish produced by them and to earn better price.



Dry fish programme at Uduppi



Sea Safety programme at Freserganj



Distribution of Fisher Aid materials at Karnataka



Fish Food Kiosk at Karnataka: To encourage SC fishers to improve their livelihood, NETFISH and CARES NGO with the financial support of CIFT had handed over a Fish food Kiosk to the SC fisherwomen Multipurpose Co-operative Society at Thottam, Uduppi District. Shri. Premdev K.V,

DD MPEDA inaugurated the function and officially handed over the key to the fisher women group. He also urged the members to follow better quality management aspects in the fish food kiosk. The society members expressed their whole hearted gratitude for the support.

SC/ST WELFARE PROGRAMMES ●

For the welfare of SC/ST fishers two projects have been implemented by NETFISH along with Matsyafed in Vaikom utilizing 65.10 lakhs received from MPEDA. The projects were aimed at enhancing the livelihood of 100 fishermen families in Vaikom region, Kerala by equipping them with fishing crafts, gears and engines and to enhance the production of good quality dry fish products by providing with solar dryers. (In addition, NETFISH

has supplied 300 nos. of crates and 4 nos. of HDPE Trawl nets with square mesh cod ends to the SC fishers in Udupi district, Karnataka under the programme, by collecting 30% contribution from the beneficiaries. To help the SC/ST fishers in West Bengal in adopting chill killing / chill washing practices in fishing vessels so as to reduce post-harvest loss and generate more income, 62 nos. of Insulated Fish Boxes (70 litres capacity) were also distributed. A total of about 70 lakhs were utilized under the SC/ST welfare programme.)



Stakeholders meeting and Official Inauguration at Vaikom



Distribution of Aid Materials to SC Fishers

PARADEEP PORT TRUST SPONSORED AWARENESS TRAINING PROGRAMMES FOR THE FISHERS IN ODISHA



Paradeep Port Trust sponsored Dry fish & Onboard programmes at Bahabalpur

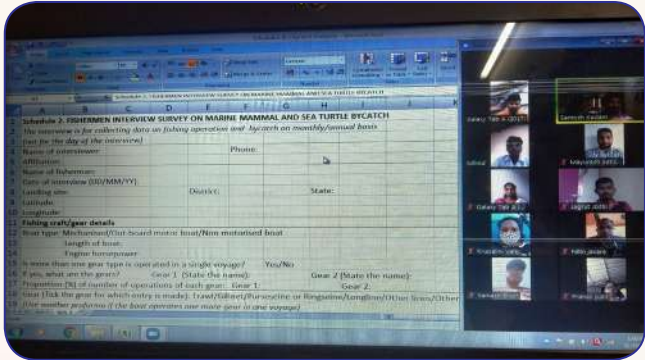
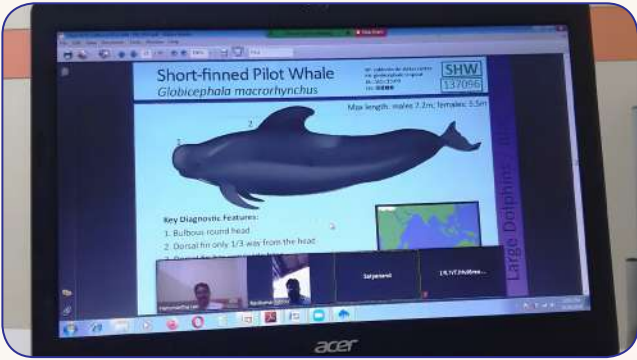
Capacity building programmes were organized for the benefit of fishers in the coastal states of Odisha, by utilizing the CSR fund received from Paradeep Port Trust. The programmes were aimed to enrich their knowledge on fish quality management and sustainable fishing in the marine sector, dry fish development, fish processing

technology etc. as well as to develop the skills of fishers to secure their livelihood. A total of 48 numbers of awareness programmes including Harbour/ landing centre awareness programme, On-board training programmes, Pre-processing Centre programmes and Dry fish programmes were conducted for the benefit of fishers.

MARINE MAMMAL & SEA TURTLE BY-CATCH SURVEYS

The Central Marine Fisheries Research Institute (CMFRI) with the financial assistance of MPEDA has initiated a research project to assess the status of marine mammal and sea turtle species in Indian waters to safeguard the marine lives, to match US laws of imports which forbid import of

wild caught shrimp from countries that harvests shrimps affecting sea turtles & marine mammals. The project aims to address the crucial information gap on the status of stocks of marine mammals and sea turtles and their by-catch & stranding. NETFISH, the extension arm of MPEDA in



View of Online training programme on Marine mammal and sea turtle identification and data collection for HDCs



By-catch Survey by HDC at Pudimadaka

capture fisheries sector, was identified as the key partner for implementing this project at field level. The Harbour Data Collectors (HDCs) appointed at around 100 major fishing harbours/landing centres of the country were identified as the field enumerators to collect the by-catch & stranding data from the locations. The Harbour Data Collectors were provided 2 days trainings on the two main topics “Species identification of marine mammals and sea turtles of Indian waters” & “Data

collection on by-catch and stranding of marine mammals and sea turtles”. During December 2020 to February 2021, NETFISH conducted data collection surveys in 138 Harbours across the maritime state involving around 6408 fishermen interviews. NETFISH constantly gives awareness to the boat skippers and fishermen about the conservation of turtles and marine mammals during the awareness and training programmes as well as while collecting harbour data.



SCOs giving training to HDCs on Marine mammal and sea turtle identification and data collection

ASSOCIATION WITH AZIM PREMJI FOUNDATION FOR DRY FISH SURVEY

NETFISH entered into an MOU with Azim Premji Foundation and rendered support for data collection and facilitation for a research project titled as “Supply and Demand Drivers of Dried Fish: A Study in Karnataka” as part of a larger project titled “Dried Fish Matters” of the

AzimPremji University (APU). A total of Rs. 1.8 lakhs is offered to NETFISH for facilitating the dry fish data collection in four phases. Two phases of surveys have been completed during this financial year with the assistance of Harbour Data Collectors in Karnataka state.



Training programme to HDCs in connection with Dry fish survey & Survey by HDCs



Site visits by SCO and APU Official

JOINT PROGRAMMES WITH CIFNET



NETFISH in association with CIFNET, Kochi and Vizag had organized 8 nos. of awareness programmes for the fishers in Kerala and Odisha. During the awareness programme, the fishers were taught about Sea safety & Navigation, Marine

Fishing Regulation Acts and Hygienic handling of fish in fishing vessels and harbours, etc. Demonstration on proper usage of various sea safety equipment was also done during the programme.



CIFNET-NETFISH joint Awareness programme on Sea Safety at Azheekkal Harbour, Kayamkulam



Demonstration of Safety equipment in the programme conducted at Thottappally

DISTRIBUTION OF FACE MASKS FOR FISHERS

On continuous discussion with officials of Cochin Shipyard Ltd. for providing their CSR fund to distribute face mask to fishermen and workers at major harbours in Kerala, as a moral support during the COVID situation, Cochin Shipyard Ltd.

had sanctioned Rs.3.75 lakhs for purchasing 15000 nos. of face masks. The face masks stitched with handloom clothes were obtained from the hand weavers and distributed to the fishermen and harbour workers at Thoppumpady (10000 nos.) and Chellanam (5000 nos.) fishing harbours.



FORMATION OF FPO

One FPO 'South Coast Fisher Producer Company Pvt Ltd was formed under the Guidance of NETFISH, Tuticorin. The FPO received a funding of Rs. 8.90 lakhs from NABARD for its Formation. NABARD acknowledged the role of

NETFISH in the identification of NGO, Centre for Social Reconstruction and the group of Fishermen for the FPO. The NABARD has requested to continue the support and guidance of NETFISH for the FPO.



❖ MAJOR ACHIEVEMENTS/ OUTCOMES

IMPROVED HANDLING OF ICE AT FISHING HARBOURS



Fishes and shrimps preserved with adequate ice in net baskets and are covered with poly sheet at Sankarpur FH



Before



After

Due to continuous awareness created by NETFISH on hygienic handling of ice, the ice crushing practice was changed from old rusted iron ice crushers to the new screw conveyor ice crusher at Visakhapatnam fishing harbour. Three ice factories in the fishing harbour are changed to use new type of ice crushers to avoid direct crushing on floor.



As a result of NETFISH continuous awareness programmes, the fish traders of Visakhapatnam fishing harbour are now using PVC shovels for handling ice and using good quality ice for packing and transportation of fish



Before



After

Crushed ice is shifted from vehicle to the boat directly without dumping on floor in Vizag fishing harbour



Properly iced fish in crates at Thengapattinam



Dumping of crushed ice on floor is stopped at Gangolli fishing harbour and the crushed ice brought in vehicle is now transferred directly from the vehicle to the fish boxes



Boat owners of Porbandar are using sufficient quantity of ice for maintaining the cold chain while handling and transporting the fish catch



Ice loaded in boats using conveyor at Colachel Fishing harbour



Boat owners in Vanakbara-DIU (UT) handling Ice without putting on dirty floor



Before & after view of Handling of Ice at Veraval



Fishermen of Vanakbara- DIU made available hygienic ice to Small FRP boats by making movable cold storage near to the harbour

IMPROVED FISH HANDLING PRACTICES



Fishing Vessels in the cluster as well as other boats in Deshapran have started practising chill killing and are fetching Rs. 10-15 extra per Kg.



With the continuous efforts of NETFISH on Hygienic handling of fish and ice in fishing harbours, now the fishermen at Visakhapatnam fishing harbour are not keeping the export worthy shrimp directly on wooden platform rickshaws, instead they are practicing chill killing method in the fishing vessel and the material is packed in chilled condition and transported in plastic crates even for very short distance.



Using raised plat form with polysheets for fish auction in Paradeep fishing harbour



As a result of NETFISH regular awareness programmes, the fisherwomen in Vizag are now using insulated fish box for keeping and selling the fish in chilled condition



With the continuous efforts of NETFISH awareness among fishery stakeholders on hygienic handling of catches and ice in Visakhapatnam fishing harbour, the auctioneers and traders of Vizag fishing harbour intensified the usage of insulated fish boxes to keep fish packed with sufficient quantity of ice even for shorter distance transportation.



Fish handled hygienically in plastic baskets at Rameswaram



Before



After

It was a regular practice of keeping fish on beaches during auction at Harne till 2019. This bad practice is completely stopped at Harne due to continuous awareness programmes and training programmes as well as meetings with stakeholders by NETFISH.



Fish handling practice has improved at Gangolli fishing harbour by adopting plastic boxes and crates for keeping fish and the catch is unloaded from the boats and transported without much delay, preserved in sufficient quantity of clean ice.



In Veraval FH, due to continuous discussion with stake holders, trolley is introduced for the first time to carry fish catch from boat to market hall/booth, as an effort to reduce post-harvest loss.



Due to NETFISH continuous awareness messages, majority of the boat owners at Veraval, Mangrol and Porbandar fishing harbour are now sending their materials directly to processing plants to reduce post harvest loss as well as to minimize handling of fish



In Veraval fishing harbour, the fishermen are using cleaned crates to handle fishes at harbour



In Veraval Fishing harbour, fishermen are maintaining cleanliness of crates and auction hall before and after handling of fishes. It is also observed that the fishermen started using insulated fish box to maintain good quality fishes fetching good prices

IMPROVEMENT IN HARBOUR FACILITIES



Due to frequent meetings with fisher associations and fisheries officials in Gangolli FH, the merchants finally agreed to shift their box sheds and now department approved to construct a new parking area.



Fish auction hall at Munakkkadavu



Newly constructed gate at Vizag FH to restrict unauthorized entry



In Gujarat, the boat owners converted their three wheelers in to Stainless steel instead of wooden or GI at majority of fishing harbours and landing centres.

PROPER CLEANING AND SANITATION IN FISHING VESSEL, HARBOUR/LANDING CENTER



Cleaning of fishing vessel a regular practice in Paradeep fishing harbour



Due to NETFISH continues awareness programmes, the fishermen of Veraval are now cleaning their vessel and all fish contact surface before and after use, use clean water, crates, boxes and sufficient quantity of ice to reduce post-harvest loss



Fishermen cleaning their gloves and gumboots after use



Fishermen of Mangrol cleaning the fishing harbour by themselves

IMPROVEMENT IN STOPPING TRASH FISH LANDING



Before - Trash fish landing at wharf of Vizag FH



After- Now the wharf is free from trash fish landing and the area is used for packing

In Visakhapatnam fishing harbour, the trash fish landing was banned by the boat owners associations as an initial step to conserve juvenile fishes. This is achieved due to the efforts taken by NETFISH through a series of meetings, awareness campaigns and training programmes conducting among stakeholders and fishermen. The Boat Owner's Association instructed the trash fish traders not to buy any trash landed in the fishing harbour. All the trash fish buyers supported the

decision, and now the boat crews are leaving the trash back to the water. Hence about 50% of trash fish can survive even after caught in the trawl net. This also leads the fishers and boat owners to think about avoiding trash catch to reduce extra time for segregation. So now the boat owners contacted NETFISH and expressed their willingness to use square mesh cod ends. The areas earlier used for trash fish landing are now utilizing for unloading and packing of fish as they are clean.

IMPLEMENTATION OF DRESS CODE AT PPC



Before



After

As a result of NETFISH awareness programmes, the unauthorized pre-processing centre workers at Veraval, Mangrol and Porbandar have started using the dress code provided by NETFISH, while at work

GENERAL IMPROVEMENTS OBSERVED

- In Andhra Pradesh, a group of motorized fishermen were operating ring nets with very small mesh size nets less than 10 mm which has resulted in loss of fishery resources. The Gill netters and Hook and line operators came forward against ring net operation, they protested and gave representation to the Dept. of Fisheries. Due to this, the Dept. of fisheries now put a ban on all ring net operation in the State.
- Hook and Line fishing, a sustainable fishing practice is being followed by the fishers in Thengapattinam and Colachel. They also practice G & G Processing and hygienic handling onboard, use sufficient quantity of ice and keep the fishes on plastic sheets.



- Fishermen are releasing protected animals like whale shark, sea turtle, marine mammals etc. which are accidentally caught in their net during fishing.



- In a special development, drinking water dispensing ATM was installed at Munambam Fishing harbour for the use of harbour users. Munambam is the first harbour in Kerala where such a facility is available. The ATM was installed by the Harbour Management Society. The ATM can dispense 250 Liters of water per hour. It is set to dispense 1 Liter of cold water for 1 rupee and 5 liters of normal water for 5 rupees. The water ATM - was inaugurated on 22.1.21 by the Panchayat President, Pallippuram.



- Due to NETFISH intervention, the Department of Fisheries has initiated monitoring temperatures of various raw materials landed at Gangolli fishing harbor, Karnataka from 1st of April 2021, as a measure to ensure proper maintenance of cold chain and the quality of the fishery materials. Temperature of fish and shrimps on the deck (before weighment), after auction and before packing are recorded by the supervisor with the assistance of NET-FISH Harbour Data Collector in the harbour.
- As a result of continues effort of NETFISH by conducting meeting with Office of Commissioner of fisheries and Secretary Fisheries for implementation of state specific action plan, the Commissioner of Fisheries has issued a circular (Ref.GuM/M-1/60/reg. Power/20-21/1162 Dtd.17/08/2020) regulating fishery along the state, which restrict bottom trawling within 5 nm from shore and usage of trawl net without cod end less than 40 mm. Based on this, the Dept. of fisheries, Porbandar took action against four boat owners of Mangrol for fishing within 5 nautical miles.



IMPLEMENTATION OF SQUARE MESH COD ENDS AT HARNAI FISH LANDING CENTRE – SUCCESS STORY

Harnai is one of the major fish landing centres in Maharashtra. Nearly 600 fishing vessels operate from the landing centre, which mainly include trawlers. To minimize juvenile fishing, though Maharashtra Govt. has made 40mm square mesh cod end mandatory for trawls, its implementation remained idle due to several reasons.

NETFISH Intervention: Efforts for the implementation of square mesh cod end in trawls in Maharashtra was initiated by NETFISH in the year 2011. Concerted efforts were made at grass root level by conducting awareness programmes on efficacy of square mesh cod ends and hands on trainings on fabrication of square mesh cod ends. About 240 awareness training programmes

were arranged during the period from 2011 to 2020. Onboard fishing trials were also organized and trawler owners, crew and captain of trawlers were convinced by seeing the advantages of square mesh cod ends such as escapement of juvenile fishes, fuel savings and better appearance and quality of the catch. Further, NETFISH popularized that 40 mm square mesh cod end is mandatory as per Maharashtra MFRA and that the Department of fisheries is providing 90% subsidy for square mesh cod ends. Continuous meetings were held with fishermen co-operative societies and boat owners in Harnai area and they were urged to purchase square mesh cod ends by making use of the subsidy.



State Coordinator popularizing the square mesh cod ends during awareness programmes and discussing with net makers on fabrication of square mesh net and benefits of square mesh cod ends



Hands-on training on fabrication of square mesh cod ends



Conducting Fishing Trials using Square mesh cod-ends

Outcomes: The boat owners and crew members of fishing vessels in Harnai finally came forward to adopt square mesh cod ends. NETFISH has facilitated them in applying for the subsidy scheme and contacting the suppliers as well as department officials concerned for availing the square mesh cod ends under the department’s subsidy scheme. The State Coordinator frequently communicated with net manufacturers for the supply of Square mesh cod ends. The Fishermen Co-operative Societies in Harnai thus purchased 300 Square mesh cod ends and distributed them to the trawler owners. The Harnai fishers use these square mesh cod ends in the trawl fishing, thus complying conservation of fishery resources.



Distribution of square mesh cod ends at Harnai

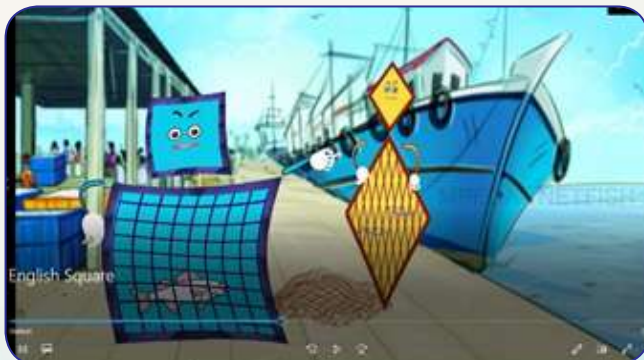


Fishers at Harnai with the square mesh cod ends

Development of Animated Awareness Videos

Two short animation awareness videos on ‘Square mesh cod end’ and ‘Stop juvenile fishing’ were developed in English, Hindi, Malayalam, Tamil, Telugu, Odiya, Bengali, Gujarati, Marathi

& Kannada languages and disseminated among the fishery stakeholders & officials through social media.



❖ NGO MEMBERS 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 (DFY-WA)	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, Tamil Nadu.
8	Village Resource Centre of MSSRF	Thangachimadam, Ramanathapuram, 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, 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, Perlaguri
18	Manav Vikas Sevabhavi (MVS)	Chandranagar, Thane District, Maharashtra.
19	Nagrik Bhahu Udeshiya Seva Pratistan (NBUSP)	Sindhudurg, Maharashtra.
20	Jan ShikshanSanstha (JSS)	Raigad, Maharashtra.
21	Brackish Water Research Centre (BWRC)	Kasba Mohalla, Mougul Street, Surat, 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 2020-21

NETWORK FOR FISH QUALITY MANAGEMENT & SUSTAINABLE FISHING (NETFISH)
KOCHI (REG.NO.ER 509/06)

BALANCE SHEET AS AT 31-03-2021

(In Rs.Ps)


LIABILITIES	Sch	As on 31.03.21	As on 31.03.20
CAPITAL FUND			
Opening balance		73 24 611.82	34 36 728.37
Add: Fund received from MPEDA during the year		1 50 00 000.00	2 05 00 000.00
Less: Excess of Expenditure over income for the year		-1 56 91 955.39	-1 64 91 385.20
Less: Loss of Seafood India Stall		- 88 876.47	- 1 20 731.35
		65 43 779.96	73 24 611.82
UNDP PROJECT FUND			
UNDP Fund received from MPEDA		1 61 75 000.00	1 61 75 000.00
Less: Project Advance			
Add: Project Expense Payable		10 94 097.45	10 94 746.45
Less: Amount utilised towards Mangrove Crab Project, Mumbai		-1 50 80 902.55	-1 50 80 253.55
		.00	.00
TOTAL		65 43 779.96	73 24 611.82
ASSETS			
FIXED ASSETS	1		
Opening WDV		12 22 386.56	13 56 860.97
Add: Additions made during the year		3 94 850.00	1 17 575.99
Less: Depreciation		- 2 90 826.23	- 2 52 050.40
Closing WDV		13 26 410.33	12 22 386.56
CURRENT ASSETS, LOANS AND ADVANCES			
CURRENT ASSETS			
TDS Receivable		15 125.00	
CASH & BANK BALANCE			
Cash in hand Seafood India Stall		6 602.00	22 076.13
Balance with banks	2	92 27 249.25	87 33 867.49
Current Assets Seafood India Stall	3	2 46 533.14	3 75 263.63
LOANS & ADVANCES			
Advance to Staff & Supplier		3 28 749.00	1 07 880.00
Amount Receivable From MPEDA Seafood India Stall		53 390.79	57 914.34
Advance Money Received from MPEDA -HDC			19 46 752.00
Amount receivable from MPEDA Tuna Long Line			10 53 184.00
		98 77 649.18	1 22 96 937.59
CURRENT LIABILITIES AND PROVISIONS			
OTHER LIABILITIES & PROVISIONS			
HDC Salary & Internet Allowance - Advance		46 667.00	
EMD Fish Nutricart Kiosk		25 000.00	25 000.00
Expenses Payable NETFISH	4	1 19 255.00	3 05 623.00
Expenses Payable Seafood India Stall	5	72 700.00	1 43 400.00
Salary Payable NETFISH	6	8 75 637.00	7 86 373.00
Sundry Creditors Seafood India Stall	7	5 35 202.10	8 79 336.88
Tuna Long Line Prog MPEDA Payable			7 55 924.00
Harbour Data Collector Trainee Payable		18 74 021.00	19 65 447.00
Mangrove Crab Project Payable		10 94 097.45	10 94 746.45
Puducherry Fund MPEDA Payable			2 21 162.00
Audit Fee Payable		17 700.00	17 700.00
		46 60 279.55	61 94 712.33
NET CURRENT ASSETS		52 17 369.63	61 02 225.26
TOTAL		65 43 779.96	73 24 611.82

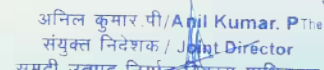
Subject to notes forming part of accounts and my report of even date

Place : Ernakulam

Date : 22/09/2021

UDIN : 21052270AAAABD5769


Dr. Joice V. Thomas
Chief Executive
NETFISH - MPEDA
Vallathol Executive Officer
Kochi-682 504, Kerala


अनिल कुमार पी/Anil Kumar. P
संयुक्त निदेशक / Joint Director
समुद्री उत्पाद निर्यात विकास प्राधिकरण
Marine Products Export Development Authority
(Secretary)
विभागीय एवं उद्योग मंत्रालय, भारत सरकार
Ministry of Commerce & Industry, Govt. of India
पनमिल्ली नगर, Panampilly Nagar

के.एस. प्रदीप, भा.व.से./K.S. Pradeep, IFS

सचिव / Secretary

समुद्री उत्पाद निर्यात विकास प्राधिकरण

The Marine Products Export Development Authority

(Secretary)

For G. Natesan & Co.

Chartered Accountants

K. C. SBETHARAMAN FCA, DISA

Partner (M No 52270)

Firm Regn No : 002424 S

(Auditor)



NETWORK FOR FISH QUALITY MANAGEMENT & SUSTAINABLE FISHING (NETFISH)

KOCHI (REG.NO.ER 509/06)

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2021

(In Rs.Ps)

		For the year ended 31-3-2021	For the year ended 31-3-2020
INCOME			
Fund Received from NFDB			19 40 575.00
Fund Received from CIFT			27 30 500.00
Fund Received from Dept.of Fisheries Puducherry			11 79 532.00
Fund Received from Paradeep Port Trust		1 00 000.00	9 00 000.00
Fund Received from SEAI		4 68 000.00	50 000.00
Fund Received from MPEDA SC/ST Welfare Project		70 00 000.00	
Fund Received from APU Project		1 35 000.00	
Fund received from Processing Plant Training Fee		7 30 000.00	
Fund Received from HIC ABF		2 50 000.00	
		86 83 000.00	
Miscellaneous Income			
Application Fee			5 000.00
Membership Fee			.00
Renewal Fee			.00
Other Miscellaneous Income		4 000.00	10 800.00
		4 000.00	15 800.00
TOTAL		86 87 000.00	68 16 407.00
EXPENDITURE			
Extension Activities	8	1 19 76 726.00	1 20 07 066.50
Employee Cost	9		
Salary - Chief Executive		11 06 436.00	9 76 842.00
Salary - State Co-ordinators		73 29 074.00	63 71 705.00
Salary - Research Assistant		10 09 335.00	9 03 561.00
Salary - Staff		6 45 762.00	5 56 242.00
Employer Contribution to PF		3 74 520.00	3 55 979.00
		1 04 65 127.00	91 64 329.00
Administrative Expenses	10	16 46 276.16	18 86 964.10
Depreciation	1	2 90 826.23	2 49 432.60
TOTAL		2 43 78 955.39	2 33 07 792.20
Excess of Expenditure over Income		-1 56 91 955.39	-1 64 91 385.20

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

Place : Ernakulam

Date : 22/09/2021

UDIN : 21052270AAAABD5769



Dr. Jd (Chief Executive Officer)
Chief Executive
NETFISH-MPEDA
Vallarpadam (P. O.)
Kochi-682 504, Kerala

अनिल कुमार पी./Anil Kumar. पी.
संयुक्त निदेशक / Joint Director
समुद्री उत्पाद निर्यात/विकास प्राधिकरण
(Treasurer)
Marine Products Export Development Authority
(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)
(Ministry of Commerce & Industry, Govt. of India)
पनम्पिल्ली नगर/Panampilly Nagar
कोची-682036

के. एस. प्रदीप, भा. व. से. /K.S. Pradeep, FCS
सचिव / Secretary
समुद्री उत्पाद निर्यात/विकास प्राधिकरण
(Secretary)
Marine Products Export Development Authority
(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)
(Ministry of Commerce & Industry, Govt. of India)
पनम्पिल्ली नगर/Panampilly Nagar
कोची-682036

For G. Natesan & Co.,
Chartered AccountantsK.C. SEETHARAMAN FCA, DISA
Partner (M. No. 52270)
Firm Regn No: 002422

NETWORK FOR FISH QUALITY MANAGEMENT & SUSTAINABLE FISHING (NETFISH), KOCHI
REG. NO. ER 509/06

RECEIPTS & PAYMENT ACCOUNT FOR THE YEAR ENDED 31.03.2021

Receipts	(Rs.)	Payments	(Rs.)
Opening balance - 01.04.2020		Payments for Extension Activities	
Cash		Training Programmes	11,299,976.00
Bank	8,303,812.25	Publicity & Literature	9,760.00
Fund Received from MPEDA	15,000,000.00	Travelling For Extension Training Staff	199,710.00
Fund Received from Paradeep Port Trust	100,000.00	Animation	467,280.00
Fund Received from SEAL	468,000.00	UNDP Project (Bank Charges)	649.00
Fund Received from MPEDA SC/ST Welfare Project	7,000,000.00	Payment to Employees	10,375,863.00
Fund Received from MPEDA Tuna Long Line	1,098,184.00	Salary, TA to Technical and Field Staff paid (MPEDA a/c)	23,020,764.00
Fund Received from APU Project	124,875.00	Expense for Tuna Programme by NETFISH	800,924.00
Training Fee Received from Processing Plant	730,000.00	Establishment & Other Items	1,207,781.66
Other Income	4,000.00	Fixed Assets Purchased	379,950.00
Salary, TA to Technical and Field Staff paid (MPEDA a/c)	24,922,757.00	Advances	220,869.00
		Payment to Rekha Karthikeyan	468,000.00
		Puducherry Fund Refunded	221,162.00
		NFDB Amount Refunded	156,862.50
		Closing balance - 31.03.2021	
		Cash in hand	
		Balance with banks	8,922,077.09
	57,751,628.25		57,751,628.25

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

Place : Ernakulam

Date : 22/09/2021

UDIN : 21052270AAAAABD5769



Dr. Joice V. Thiruvethoor
Chief Executive
NETFISH-MPEDA
Vallarpadam (P. O.)
Kochi-682 504, Kerala

अनिल कुमार जी/Anil Kumar
संयुक्त निदेशक / Joint Director
समुद्र उत्पाद निर्यात विकास प्राधिकरण
Marine Products Export Development Authority
(राष्ट्रिय एवं उद्योग मंत्रालय, भारत सरकार)
(Ministry of Commerce & Industry, Govt. of India)
पनमिल्ली नगर / Panampilly Nagar



For G. Nalesan & Co.
Chartered Accountants



K.C. SEETHARAMAN FCA, DISA
Partner (M No. 52270)
Firm Regn No. 0024245

(Auditor)

के. एस. प्रदीप, भा.व.से./K.S. Pradeep, IFS
सचिव / Secretary

समुद्री उत्पाद निर्यात विकास प्राधिकरण
The Marine Products Export Development Authority

राष्ट्रिय एवं उद्योग मंत्रालय, भारत सरकार
(Ministry of Commerce & Industry, Govt. of India)

पनमिल्ली नगर / Panampilly Nagar

31/03/2021

SEAFOOD INDIA

MPEDA, Panampilly Nagar, Kochi, Kerala - 682036

PROFIT & LOSS ACCOUNT FOR THE PERIOD ENDED 31-03-2021


	For the year ended 31.03.21	For the year ended 31.03.20		For the year ended 31.03.21	For the year ended 31.03.20
Opening Stock	349,261.70	93,922.14	Sale of Traded Goods	3,671,923.08	2,397,967.37
Purchases	2,760,918.18	2,006,637.50	Closing Stock	240,314.14	349,261.70
Less: Returns	96,635.22				
	2,664,282.96				
Direct Expenses	40,235.61	159,713.86			
Gross Profit	858,456.95	486,955.57			
	3,912,237.22	2,747,229.07		3,912,237.22	2,747,229.07
Indirect Expenses	1,059,835.94	723,130.51	Gross Profit	858,456.95	486,955.57
	1,059,835.94	723,130.51	Indirect Income	23,626.08	6,684.02
			Net Loss Transferred to Balance Sheet	177,752.91	229,490.92
				1,059,835.94	723,130.51

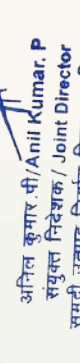
Subject to notes forming part of accounts and our report of even date

Place : Ernakulam

Date : 22/09/2021


UDIN : 21052270AAAAABD57€


 (Chief Executive Officer)
 Dr. Joice V. Thomas
 Chief Executive
 NETFISH-MPEDA
 Vallarpadam (P. O.)
 Kochi-682 504, Kerala


 अनिल कुमार पी/Anil Kumar. P
 संयुक्त निदेशक / Joint Director
 समुद्री उत्पाद निर्यात विकास प्राधिकरण
 Marine Products Export Development Authority
 (वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)
 (Ministry of Commerce & Industry, Govt. of India)
 मॉडर्न नगर/Panampilly Nagar
 4 - 4th/Kochi-36

के. एस. प्रदीप, भा. व. से. / K.S. Pradeep, IFS
 सचिव / Secretary
 समुद्री उत्पाद निर्यात विकास प्राधिकरण
 The Marine Products Export Development Authority
 वाणिज्य एवं उद्योग मंत्रालय
 Ministry of Commerce & Industry
 भारत सरकार, Govt. of India
 कोची-682036



For G. Natesan & Co.,
 Chartered Accountants

 K.C. SEETHARAMAN FCA, DISA
 Partner (M No. 52279)
 Firm Regn No. 002424 S
 (Auditor)



NETFISH - MPEDA
Annual Report 2020-21

OFFICE BEARERS 2020-21



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ACCOUNTS





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

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