



NETFISH-MPEDA



मासिक विवरण
MONTHLY REPORT

जनवरी-2020
January-2020



मत्स्य गुणता प्रबंधन और चिरस्थायी मत्स्ययन नेटवर्क (नेटफिश)

Network for Fish Quality Management & Sustainable Fishing (NETFISH)

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1) Summary:

As part of its various extension activities, the NETFISH conducted 148 awareness programmes in the month of January 2020, benefitting around 4135 fishery stakeholders.

S.N	Type of extension programme	No. of programmes	No: of Beneficiaries
1	Harbour/LC/Fishermen Village Training Programme	82	2352
2	On-board training programme	25	306
3	Pre-processing/Processing centre training	13	387
4	Dry Fish training	9	265
5	Skill Development programmes	4	91
6	Sea Safety & Navigation training	9	301
7	Other special programmes	6	433
	Total	148	4135

2) Highlights of the month:

- ▶▶ NFDB sponsored State level workshop on “Refinement of Marine Fisheries Management in Karnataka” at Udupi, Karnataka
- ▶▶ NFDB sponsored Onboard programme for popularization of square mesh cod ends at Karnataka, Maharashtra and Gujarat region
- ▶▶ Adoption of uniforms by the workers at Thottappally, Munambam and Munakkakadavu fishing harbours
- ▶▶ ‘Onboard Skill Development Training Programme on Tuna long line fishing’ from Thoppumpady fishing harbour
- ▶▶ Initiation of CIFT sponsored Capacity building training programmes for SC fishers’ in West Bengal & Karnataka
- ▶▶ Skill development training programme on Fabrication of Square mesh cod end in Kerala North region
- ▶▶ Awareness programme on Sea Safety & Navigation in West Bengal, Andhra Pradesh, Tamil Nadu North and Kerala South
- ▶▶ Paradeep Port Trust sponsored awareness training programmes for fishers in Odisha.

3) State wise/Region wise details of Extension Programmes conducted during the month:

The details of extension activities conducted by NETFISH at various regions during January 2020 are given in the below table and subsequent sections:

State/Region	FH/LC/FV	On-board	PPC/PC	Df	Skill Dev	Sea Safety	Other Special Programmes	Month's -Total programmes& beneficiaries		Financial year - Total programmes& beneficiaries	
West Bengal	2	5	1	3	2	1		14	303	123	3014
Odisha	19	1			0			20	590	116	2918
Andhra Pradesh	6	4		3	0	1		14	362	69	2372
TN North	8		2	2	0	1		13	385	102	3393
TN South					1			1	15	63	2151
Kerala South	2	4	3		0	5	2	16	486	100	3455
Kerala North	10	4			1	1	2	18	574	105	3244
Karnataka & Goa	14	3			0		1	18	500	90	2864
Maharashtra	11	2			0			13	354	87	2484
Gujarat	10	2	7	1	0		1	21	566	115	3408
Month's -Total programmes& beneficiaries	82	25	13	9	4	9	6	148	4135	970	29303
	2352	306	387	265	91	301	433	4135			
Year - Total programmes& beneficiaries	588	120	81	70	9	15	87	970			
	17152	1569	2376	2065	237	492	5412	29303			

1. WEST BENGAL

In West Bengal, 14 extension programmes were conducted during January 2020 as per the details given below.

Selected place	Ob	FH/LC /FV	PPC/PC	Df	Skill Dev.	Sea Safety	Total programmes	Total beneficiaries
Sankarpur	2	2					4	59
Deshapran						1	1	45
Balarampur				1			1	30
Purba Medinipur	1		1				2	42
Kulpi	1						1	8
Freserganj	1			2			3	68
North 24 Parganas					2		2	51
Total	5	2	1	3	2	1	14	303

No	Date	Place	Type of Programme	No: of Beneficiaries
1	09.01.20	Sankarpur	Onboard	10
2	10.01.20	Sankarpur	Onboard	10
3	14.01.20	Deshapran	Sea Safety & Navigation	45
4	15.01.20	Sankarpur	FH/LC/FV	30
5	16.01.20	Balarampur	Dry fish	30
6	17.01.20	K N C Agro Pvt. Ltd, Purba Medinipur	PPC/PP and distribution of PMKVY certificates	30
7	17.01.20	Sankarpur	FH/LC/FV	9
8	23.01.20	Kulpi	Onboard -CIFT sponsored	8
9	24.01.20	Purba Medinipur	Onboard	12
10	24.01.20	Freserganj	Dry fish - CIFT sponsored	30

11	25.01.20	Freserganj	Onboard - CIFT sponsored	08
12	27.01.20	North 24 Parganas	Value addition training- CIFT sponsored	21
13	28.01.20	North 24 Parganas	Value addition training- DRDC, P&RD sponsored	30
14	31.01.20	Freserganj	Dry fish - CIFT sponsored	30

A Sea Safety & Navigation training programme was organized on 14th Jan. 2020 at Deshapran fishing harbour, Purba Medinipur which was attended by around 45 participants including Officials from Dept. of Fisheries, Coast Guard, Coastal Police, Harbour Office, Boat Owners, Skipper, Assistant Skipper, NGO and HDC. Shri. Somnath Banerjee, Indian Coast Guard Officer, Haldia HQ inaugurated the programme and talked on the rules and regulations for safe fishing, Do's & Don'ts while fishing, necessary documents and life saving equipments to be kept in the fishing boat etc. He also demonstrated various life saving equipment's such as life jackets, life buoy, DAT etc. Shri. Singh, OIC, Junput Coastal Police Station & Shri. S. Mahapatra, Sub Inspector, Marine Police highlighted on Legal documentation for fishing, Various safety and security issues at sea while fishing and Protected areas for fishing etc. Shri. A. Sengupta, Special Officer, Deshapran Fishing Harbour depicted on harbour issues and safety. State Fisheries officer talked about importance of registration & license of fishing boat. State Coordinator has given presentation on Safety measures onboard, use of life jacket, life buoy, life raft, Distress Alert Transmitter (DAT) machine, VHF, HF & MF transmission system, different communication measures during distress, Rules of Road and various day & night light signals for safe navigation at sea. Documentary films on 'Navigation of fishing vessel' and 'Safety at sea' were also shown in the programme. NETFISH distributed training kit and books on safety & security at sea to all the participants. After the training programme the fishers and coastal police were very much interested and requested to arrange more number of such training programme.



Joint capacity building programmes for SC fishers under the SCSP component of the ICAR-CIFT have been initiated during the month by NETFISH in West Bengal. As part of this project, 2 onboard training programmes, 2 dryfish training programmes and a value addition training programme were conducted in January. Onboard hygiene and conservation measures were taught to the fishers during the hands on training programme conducted aboard fishing vessels and each of the programme was attended by 8 participants, mostly the boat crew. The dryfish

trainings included hands on training on hygienic production of dryfish and 60 nos. of SC fisherwomen were benefitted by these trainings. To strengthen the fisherwomen Self Help Groups (SHG) and to support the livelihood diversification of the SC fishermen community a hands on training programme on 'Value Added Fishery Products' was conducted on 27th Jan. 2020 at Kalitala GP, Hingalganj, North 24 Parganas in which 21 SC fishers from various SHGs had attended. Preparation of products such as Fish Ball, Fish Pickle, Prawn Pickle, Coated Prawn products such as Breaded Butterfly, Breaded Stretched Shrimp, Fish Pakora, Fish cutlet, Fish fry etc. from low valued fishes were demonstrated and the trainees were engaged in the preparation process.



Another value addition training programme was conducted on 28th Jan. 2020 at Jogeshganj, Hingalganj, North 24 Parganas with the financial support from District Rural Development Council (DRDC), North 24 Parganas under Panchayat and Rural Development, Govt. of West Bengal. The training was attended by 30 fisherwomen. SCO, NETFISH described on hygienic value added fish products that can be prepared using low value fishes for fetching better price. Preparation of Fish Ball, Coated Prawn products such as Breaded Butterfly, Breaded Stretched Shrimp, Fish Pakora, Fish cutlet, Fish fry etc. were taught to the trainees and recipes of the above said products printed in Bengali language were given to them. The trainees were convinced by the taste and quality of the products prepared and they gained confidence to prepare these fish items on commercial scale.



In addition to the above, following are the other activities performed during the month.

No.	Date	Official(s) involved	Work done
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1	07.01.20	DD MPEDA & SCO	Meeting with DDF (M) & ADF (M) regarding MFRA, West Bengal at Directorate of Fisheries, Salt Lake
2	10.01.20 to 12.01.20	SCO	Attended MPEDA stall duty in Bengal Fish Fest at Salt Lake City, Kolkata. Sold MPEDA's publications, distributed NETFISH leaflets & played various awareness videos in the stall.
3	16.01.20	SCO & NGO	Participated in the Ganga Utsav organized by Digha Fishermen & Fish Traders Association
4	21.01.20	DD MPEDA & SCO	Meeting with Director & Jt. Director, B.D.O & managers of MEMS of different districts of WB, SEAI secretary, exporters etc. regarding entrepreneurship development, infrastructure development & training etc. to promote sea food export from West Bengal
5	24.01.20	DD MPEDA & SCO	Meeting with Fish meal & dry fish exporters at Contai.
6	31.01.20	AD MPEDA & SCO	Inspection of Dry fish & Fish meal units along with AD at Sea Products P. Ltd & Ritwik Enterprise, Junput

2. ODISHA

In Odisha, 20 awareness programmes were conducted in January 2020 as per the details given below.

<i>Selected place</i>	<i>Ob</i>	<i>FH/LC/FV</i>	<i>Total programmes</i>	<i>Total beneficiaries</i>
Paradeep	1	17	18	530
Chilka		2	2	60
Total	1	19	20	590

<i>No</i>	<i>Date</i>	<i>Place</i>	<i>Type of Programme</i>	<i>No: of Beneficiaries</i>
1	08.01.20	Paradeep	FH/LC/FV-PPT Fund	30
2	09.01.20	Paradeep	FH/LC/FV-PPT Fund	30
3	10.01.20	Paradeep	FH/LC/FV-PPT Fund	30
4	11.01.20	Paradeep	FH/LC/FV-PPT Fund	30
5	12.01.20	Paradeep	FH/LC/FV-PPT Fund	30
6	13.01.20	Paradeep	FH/LC/FV-PPT Fund	30
7	14.01.20	Paradeep	FH/LC/FV-PPT Fund	30
8	14.01.20	Chilka	FH/LC/FV-PPT Fund	30
9	15.01.20	Paradeep	FH/LC/FV-PPT Fund	30
10	17.01.20	Paradeep	FH/LC/FV-PPT Fund	30
11	19.01.20	Paradeep	FH/LC/FV-PPT Fund	30
12	20.01.20	Paradeep	FH/LC/FV-PPT Fund	30
13	21.01.20	Paradeep	FH/LC/FV-PPT Fund	30
14	21.01.20	Chilka	FH/LC/FV-PPT Fund	30
15	22.01.20	Paradeep	FH/LC/FV-PPT Fund	30
16	23.01.20	Paradeep	FH/LC/FV-PPT Fund	30
17	24.01.20	Paradeep	FH/LC/FV-PPT Fund	30
18	25.01.20	Paradeep	FH/LC/FV-PPT Fund	30
19	27.01.19	Paradeep	On board-PPT Fund	20
20	28.01.20	Paradeep	FH/LC/FV-PPT Fund	30

During the month, NETFISH Odisha had conducted 20 awareness training programmes using the CSR fund received from Paradeep Port Trust. Of this, one programme was for the popularization of square mesh cod ends through onboard demonstration. Fishing trials were conducted using square mesh cod ends and the trainees were convinced by showing them the advantages of square mesh cod end in conserving juvenile fishes, saving fuel, saving time etc.



3. ANDHRA PRADESH

In Andhra Pradesh, 14 training programmes were conducted in January 2020 as per the details given below.

<i>Selected place</i>	<i>Ob</i>	<i>FH/LC/ FV</i>	<i>Df</i>	<i>Sea Safety</i>	<i>Total programmes</i>	<i>Total beneficiaries</i>
Pudimadaka		2			2	60
Kakinada	2	1	3	1	7	182
Vizag	2	3			5	120
Total	4	6	3	1	14	362

<i>No</i>	<i>Date</i>	<i>Place</i>	<i>Type of Programme</i>	<i>No: of Beneficiaries</i>
1	02.01.20	Pudimadaka	FH/LC/FV	30
2	07.01.20	SIFT, Kakinada	Sea Safety & Navigation	42
3	13.01.20	Vizag	FH/LC/FV	30
4	14.01.20	Kakinada	Onboard	15
5	17.01.20	Kakinada	Dry fish	30
6	17.01.20	Kakinada	Dry fish	30
7	18.01.20	Kakinada	Dry fish	25
8	18.01.20	Kakinada	FH/LC/FV	25
9	19.01.20	Kakinada	Onboard	15
10	22.01.20	Vizag	FH/LC/FV	30
11	23.01.20	Pudimadaka	FH/LC/FV	30
12	28.01.20	Vizag	FH/LC/FV	30
13	29.01.20	Vizag	Onboard programme on Popularization of Square mesh cod	15
14	30.01.20	Vizag	Onboard programme on Popularization of Square mesh cod	15

On 7th of the month, a training programme on Sea Safety & Navigational equipments was conducted at SIFT, Kakinada with the Coordination of NETFISH, Dept. of Fisheries, & DFYWA. About 42



stakeholders including members from associations, boat owners, fishermen and students of the training institute had attended the programme. SCO, NETFISH gave a talk on sea safety and navigation and also explained the MPEDA subsidy scheme for By-Catch Reduction Devices and Vessel Monitoring System. During the programme, M/s. Electronic labs, Visakhapatnam demonstrated the latest equipments of Vessel Monitoring systems (VMS) to the participants. Shri.Srinivasa Rao, Assistant Director, Dept. of Fisheries explained the use of safety equipments and its need in emergency. The different kind of equipments available in the market such as Life buoy, life jacket and water proof torch were shown and displayed during the training.



On board programme at Kakinada



Dry fish programme at Kakinada

The details of other works and activities performed during the month are briefed below.

No:	Date	Officials involved	Work Done
1	03.01.20	JD & AD MPEDA and SCO NETFISH	Visit to Visakhapatnam fishing harbour along with JD MPEDA Vijayawada & AD, RD, Vizag
2	06.01.20	SCO	Discussion with AD, Dept. of Fisheries and boat owners of Kakinada regarding VMS and Tuna training programme
3	09.01.20	AD MPEDA & SCO	Attended the Stakeholders meeting organized by the CIFT and CMFRI Vizag
4	10.01.20	SCO	Meeting with JD Fisheries and Presidents of associations at harbour office, Visakhapatnam
5	24.01.20	AD MPEDA & SCO	Attended the Stakeholder meeting on Fishery conservation organized by World Wide Fund(WWF) at Hotel SreeKanya Fortune, Vizag
6	24.01.20	JD & AD MPEDA and SCO NETFISH	Attended Stakeholders and exporters meeting along with AD SRD MPEDA on Air Cargo organized by The GMR Infra Cargo airport Hyderabad.
7	26.01.20	SCO & NGO	With the request of JD Fisheries NETFISH participated in Republic day celebrations at Visakhapatnam, by setting up a stall displaying Square mesh cod ends, NETFISH banner, sea safety equipments etc. The SCO explained the advantages of square mesh to District collector and gave the square mesh booklet in Telugu.
8	28.01.20	SCO & HDC	Discussion with JD and AD Fisheries regarding the implementation of Catch certification system at Office of Fisheries, Fishing harbour, Vizag.



Participation in republic day celebration of State Fisheries Dept.

▶▶ **NETFISH IMPACTS**

1. As a result of continuous awareness programmes by NETFISH, ice handling practices in Kakinada fishing harbor has improved. One of the ice suppliers in the harbour has provided an extension tray made of stainless steel to the ice crusher and the crushed ice is now collected directly in to the fishing vessel and in some boats directly to the fish hold.



Before



After

2. SCO NETFISH explained the MPEDA Schemes on By-catch Reduction Devices and Vessel Monitoring Systems to the boat owners of Kakinada in the awareness programme conducted at SIFT Kakinada. On the same day one boat owner from Kakinada has booked one Satellite phone by submitting the application along with the demand draft for Rs.98,620/- to M/s. Electronic labs, Visakhapatam.

4. TAMIL NADU NORTH

Along Northern coastal region of Tamil Nadu, 13 training programmes were conducted during the month as per the details given below.

<i>Selected Place</i>	<i>FH/LC/F V</i>	<i>PPC/PC</i>	<i>Df</i>	<i>Sea Safety</i>	<i>Total programmes</i>	<i>Total No: of Beneficiaries</i>
Cuddalore	2	2	2		6	175
Pondicherry	3				3	90
Karaikal	3				3	90
Nagapattinam				1	1	30

Total	8	2	2	1	13	385
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No:	Date	Place	Type of Programme	No: of Beneficiaries
1	07.01.20	Cuddalore	PPC/PC	30
2	07.01.20	Cuddalore	PPC/PC	25
3	08.01.20	Cuddalore	FH/LC/FV	30
4	09.01.20	Pondicherry	FH/LC/FV	30
5	10.01.20	Cuddalore	Dry fish	30
6	13.01.20	Pondicherry	FH/LC/FV	30
7	14.01.20	Cuddalore	Dry fish	30
8	14.01.20	Cuddalore	FH/LC/FV	30
9	22.01.20	Karaikal	FH/LC/FV	30
10	23.01.20	Karaikal	FH/LC/FV	30
11	23.01.20	Karaikal	FH/LC/FV	30
12	27.01.20	Pondicherry	FH/LC/FV	30
13	28.01.20	Nagapattinam	Sea Safety training programme	30



Awareness programme at Cuddalore



Awareness programme at Pondicherry

In addition to the above, the following are the works and activities performed during the month.

No.	Date	Official(s) involved	Work done
1	08.01.20	SCO	Attended the awareness programme organized by Dept. of Fisheries and sponsored by IFAD and delivered a lecturer on Responsible fishing.
9	09.01.20	SCO	Discussion with JD, DD, &AD fisheries Pondicherry regarding the training programme project tax certificate, vessel log sheet entry and tuna long line training programme.
3	29.01.20	SCO	Attended the review meeting along with Pondicherry Fisheries Department Officials and the World Bank consultant for discussing about project implementation.

5. TAMIL NADU SOUTH

In Tamil Nadu South region, a 20 days long 'Onboard skill development training for Tuna long lining' was conducted during the month as per the details given below.

Selected Place	Skill Development programme	Total programmes	Total No: of Beneficiaries
Thuthoor	1	1	11
Total		1	11

No:	Date	Place	Type of Programme	No: of
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				Beneficiaries
1	08.01.20 to 27.01.20	Thuthoor/ Thoppumpady	Skill development training programme for Tuna long line fishing	11

In January 2020, MPEDA-NETFISH had conducted the first 'Onboard Skill Development Training Programme on Tuna Long line Fishing for Enhancing Revenue of Fishers and Exports' by engaging expert trainers from Kanyakumari District, Tamil Nadu. The programme was organized to teach the long lining techniques to fishers for catching fast moving fishes like Tuna, Sword Fish, Marlin etc, and to improve the preservation of fish onboard to maintain better quality of the fishes for export and domestic market. The training programme was also aimed to ensure better prices for the fish caught as well as to promote sustainable fishing practice. The first batch of the training programme was commenced on the first week of January 2020 from Thoppumpady Fishing harbour, Kerala. The training was conducted in a fishing vessel named 'BEWINA' with registration no: IND-TN-10-MM-2435, constructed under the Blue Revolution scheme. The team including Dr. Vinod Ravindran, SCO, NETFISH, two expert trainers, RSW technician and 11 crew members from Thuthoor had sailed off from Thoppumpady Fishing Harbour on 8th January 2020 and they returned to Thoppumpady harbour on 26th of the month with a good catch of around 3500 Kg of fishes comprising Yellow fin tuna - 1200 kgs, Marlin - 500 kgs, Sword fish - 500kgs, Sail fish - 500kgs and others - 800kgs. The open auction of these fishes held on 28.01.2020 at the harbour fetched around Rs. 5.65 lakhs for 3000kgs. The unit value of fishes caught by long lining was around Rs.180 - 190/- per kg, whereas earlier the same fishes caught by gill netting used to fetch only Rs.100-120 per kilogram.



6. KERALA SOUTH

Along Southern Kerala, 16 awareness programmes were conducted during the month as per the details given below.

Selected Place	Ob	FH/ LC/ FV	PPC/ PP	Sea Safety	Other spl.	Total programmes	Total No: of Beneficiaries
Thoppumpady	4				1	5	60
Azheekkal		2				2	67
Thottappally					1	1	105

Purakkad				2		2	60
Sakthikulangara			3			3	100
Aarattupuzha				2		2	62
Chavara				1		1	32
Total	4	2	3	5	2	16	486

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	07.01.20	Thoppumpady	Mass communication cum stake holders meeting	20
2	17.01.20	Thoppumpady	Onboard	10
3	17.01.20	Thoppumpady	On board	9
4	18.01.20	Azheekkal,Kayamkulam	FH/LC/FV	30
5	18.01.20	Azheekkal,Kayamkulam	FH/LC/FV	37
6	20.01.20	Thoppumpady	Onboard	11
7	20.01.20	Thoppumpady	Onboard	10
8	21.01.20	Thottappally	Special programme for Uniform Distribution	105
9	21.01.20	Purakkad	Sea Safety & Navigation	30
10	21.01.20	Purakkad	Sea Safety & Navigation	30
11	22.01.20	Sakthikulangara	PPC/PC	35
12	22.01.20	Sakthikulangara	PPC/PC	30
13	22.01.20	Sakthikulangara	PPC/PC	35
14	23.01.20	Arattupuzha	Sea Safety & Navigation	30
15	23.01.20	Arattupuzha	Sea Safety & Navigation	32
16	24.01.20	Chavara	Sea Safety & Navigation	32

During the month 5 nos. of awareness programmes on Sea Safety and Navigation was conducted in Purakkad, Arattupuzha & Chavara. The programmes included awareness class on navigational signals, rules of the road, importance of license, life saving equipment, etc. Practical demonstration of use of life jacket was also done during the programme. A total of 154 beneficiaries had attended the training programmes.



Sea safety Training



Onboard training

A mass communication programme and stakeholders meeting was conducted at Thoppumpady fishing harbour on 7th January 2020. Because of the decision by the Advisory Committee to stop fish cutting, the fish sale was stopped and the merchants had called for strike in harbour. The issue was discussed in the meeting and finally a decision was taken to allow fish cutting only in the last two bays of the auction hall and to do proper cleaning of the area by the merchants.

In addition to the above, the following are the works and activities performed during the month.

No.	Date	Official(s) involved	Work done
1	03.01.20	CE & SCO	Collected the details of harbour union workers from Thoppumpady fishing harbour
2	04.01.20	SCO	Meeting with State Fisheries Department Officials for the implementation of TED, Vessel log sheet, catch certification etc.
3	05.01.20	Director(M), MPEDA, AD, CE &SCO	Meeting and arrangements for Tuna long line training programme
4	06.01.20	SCO	Arrangements for tuna long line training programme
5	09.01.20	SCO	Attended stall duty at MECOS-3 organized by MBAI at CMFRI, Kochi
6	27.01.20	CE & SCO	Meeting with Chairman and Director(M) MPEDA regarding DPR of Thoppumpady fishing harbour
7	28.01.20	Director(M), MPEDA, JD, AD, CE & SCO	Arrangements for tuna long line training programme and meeting about DPR of Thoppumpady fishing harbour
8	30.01.20	Director(M), MPEDA, JD, AD, CE & SCO	Meeting regarding DPR of Thoppumpady fishing harbour

▶▶ **NETFISH IMPACTS**

1. Because of continuous awareness programmes by NETFISH, the workers of Thottappally harbour decided to utilize the stipend money they receive from NETFISH, for improving the hygiene of the harbour. It was decided to have a uniform for all the workers and accordingly NETFISH arranged T-shirts & Track pants, which were distributed among 105 loading workers from CITU, INTUC & BMS unions of the harbour in a function held on 21st January 2020. Shri. P. Aromal, Ward Member inaugurated the programme in the presence of Smt. A. I. Lucy, Sub Inspector of Fisheries, SCO, NGO, HDC and workers. Another effort was to improve the cleanliness of the harbour by regular washing. For this, the workers dug a bore well and the NETFISH provided a motor pump, hose and electric wire. Now the Thottappally fishing harbour is cleaned twice a day.



2. Due to NETFISH intervention, 3 Pre-processing centers along Kerala South region has fully converted to full set uniforms for their workers, which include dress, apron, head gear, mouth mask and shoe. A total of 73 workers in Jasmine Industries, Eramallur, 40 workers in DSS Marine, Arookkuty and 60 workers in DSS Marine, Aroor have fully changed to complete uniform. Also they have avoided floor peeling and shifted to table peeling or

peeling on stainless steel trays. The shed owners themselves have purchased stainless steel trays to avoid floor peeling.



Jasmine industries, Eramallur

DSS Marine, Arookkutty

DSS Marine, Aroor

3. The SEAI, Kochi has sanctioned and released Rs. 50000/- for NETFISH from their CSR fund for buying and supplying plastic baskets in Thottappally Fishing Harbour, so as to stop the use of bamboo baskets. Utilizing the fund received from SEAI as well as with the contribution from Family Plastics, 150 plastic baskets will be supplied soon at the harbour.

7. KERALA NORTH

During the month, 18 awareness programmes were conducted in Kerala North region as per the details given below.

<i>Selected Place</i>	<i>Ob</i>	<i>FH/LC/ FV</i>	<i>Skill Dev.</i>	<i>Sea Safety</i>	<i>Other Spcl.</i>	<i>Total programmes</i>	<i>Total No: of Beneficiaries</i>
Munakkakadavu		8			1	9	255
Munambam	4	1			1	6	234
Ponnani		1	1	1		3	85
Total	4	10	1	1	2	18	574

<i>No:</i>	<i>Date</i>	<i>Place</i>	<i>Type of Programmme</i>	<i>No: of Beneficiaries</i>
1	02.01.20	Munakkakadavu	FH/LC/FV	30
2	06.01.20	Munambam	FH/LC/FV	30
3	07.01.20	Ponnani	Sea safety	30
4	07.01.20	Ponnani	FH/LC/FV	30
5	09.01.20	Munakkakadavu	FH/LC/FV	30
6	09.01.20	Munakkakadavu	FH/LC/FV	15
7	10.01.20	Munambam	Onboard	8
8	16.01.20	Munambam	Event on uniform distribution	170
9	17.01.20	Munambam	Onboard	8
10	21.01.20	Munakkakadavu	FH/LC/FV	30
11	21.01.20	Munakkakadavu	FH/LC/FV	15
12	23.01.20	Munakkakadavu	FH/LC/FV	30
13	23.01.20	Munakkakadavu	Event on uniform distribution	60
14	24.01.20	Munambam	Onboard	9
15	27.01.20	Munakkakadavu	FH/LC/FV	30
16	27.01.20	Munakkakadavu	FH/LC/FV	15
17	29.01.20	Ponnani	Fabrication of sq. mesh cod end	25
18	30.01.20	Munambam	Onboard	9

To create awareness among the sea going fishermen regarding the necessity of life saving equipments in fishing boats, NETFISH had conducted an awareness programme on 7th January

2020 at Ponnani harbour. The NETFISH State Co-ordinator took class on basic lifesaving equipments, navigation equipments, navigation signals etc. and demonstrated use of life jacket to fishermen. A total of 30 numbers of sea going fishermen attended the awareness programme.



Sea safety awareness programme



Awareness programme at harbour

A skill development training programme on fabrication of square mesh cod ends was conducted for the net menders at Ponnani harbour on 29th January 2020. Sri. Unnikrishnan A.V., trained trainer showed the technique of fabrication of square mesh cod end to the trainees. Later on, the trainees were divided into groups and given the task of converting diamond shaped net to square mesh net. The trainees were satisfied with the hands on training and they were issued with participation certificate.



Square mesh cod end fabrication training at Ponnani

In addition to the above, the following are the works and activities performed during the month.

No.	Date	Official(s) involved	Work done
1	03.01.20	SCO	Meeting with Chairman, DD, AD, and State fisheries Department Officials regarding recent regulations from importing countries
2	16.01.20	SCO	Delivered a talk on the ill effects of plastic pollution in the cloth bags distribution programme by boat owners association at Munambam
3	22.01.20	CE & SCO	Attended MFHMS monthly meeting
4	28.01.20	MPEDA & NETFISH officials	Attended the fish auction at Thoppumpady FH from the first long line experimental voyage

» **NETFISH IMPACTS**

Due to regular intervention of NETFISH, the harbour workers at Munambam and Munakkakadavu harbour have also decided to have common dress code at their work place. The dress code includes Track pants, T-shirts, hand gloves and shoes. Around 170 workers from Munambam fishing harbour and 60 workers from Munakkakadavu fish landing centre have joined the initiation. The dress code implementation at Munambam fishing harbour was inaugurated by Shri. M.S. Saju, Joint Director, Central Zone, Fisheries Department by releasing the new dress code in a function conducted on 16th January 2020. Representatives of BMS and CITU union workers in the harbour received the new dress code. At Munakkakadavu fish landing centre, Shri.P.V. Ummerkunji, President, Kadappuram Grama Panchayath handed over the new dress code to the Secretary of Labour Union Coordination in the harbour in a function conducted on 23rd January 2020. The new dress code system has enhanced the personnel hygiene, working efficiency and unity among the harbour workers.



JD Fisheries releases the dress code at Munambam NETFISH CE and SCO along with Munakkakadavu harbour workers

8. KARNATAKA & GOA

In Karnataka, 18 awareness programmes were conducted in January 2020, as briefed below.

<i>Selected Place</i>	<i>Ob</i>	<i>FH/LC/FV</i>	<i>Other Spcl</i>	<i>Total programmes</i>	<i>Total No: of Beneficiaries</i>
Udupi		2	1	3	103
Malpe	1	8		9	250
Honnavar		3		3	85
Tadri	1			1	17
Panaji		1		1	30
Mangalore	1			1	15
Total	3	14	1	18	500

<i>No:</i>	<i>Date</i>	<i>Place</i>	<i>Type of Programme</i>	<i>No: of Beneficiaries</i>
1	03.01.20	Udupi	NFDB workshop on 'Refinement of marine fisheries management in Karnataka state'	63
2	07.01.20	Malpe	FH/LC/FV	30
3	08.01.20	Malpe	FH/LC/FV	30
4	09.01.20	Honnavar	FH/LC/FV	30
5	13.01.20	Tadri	NFDB Onboard programme	15
6	14.01.20	Malpe	FH/LC/FV	30
7	16.01.20	Malpe	FH/LC/FV	30
8	18.01.20	Panaji, Goa	FH/LC/FV	30
9	20.01.20	Malpe	FH/LC/FV	25

10	21.01.20	Malpe	FH/LC/FV	30
11	22.01.20	Honnavar	FH/LC/FV	30
12	23.01.20	Honnavar	FH/LC/FV	25
13	24.01.20	Mangalore	NFDB Onboard programme	15
14	27.01.20	Malpe	FH/LC/FV	30
15	28.01.20	Malpe	FH/LC/FV	30
16	29.01.20	Malpe	NFDB Onboard programme	15
17	31.01.20	Udupi, Thottam	FH/LC/FV-CIFT sponsored	20
18	31.01.20	Udupi, Thottam	FH/LC/FV-CIFT sponsored	20

The NFDB sponsored one day brainstorming workshop on “*Refinement of Marine Fisheries Management in Karnataka*” was conducted at Udupi, Karnataka on 3rd January 2020. Shri. Ganesh K, Deputy Director, Department of Fisheries, Udupi district inaugurated the workshop. Around 63 participants including State Fisheries officials, Scientists, Professors, EIA and SEAI representatives, managers from fish processing centres and ice factories, fish merchants, members from workers associations, fishermen union leaders of mechanized and motorized fishing vessel and members from boat owners associations from all the major fishing harbours had attend the workshop. All the major stake holders recommended amending the existing Karnataka MFR Act in line with Kerala MFR Act. Implementation of Minimum Legal Size (MLS), reasonable increase in boat registration and fishing license charges, regulation of size of fishing fleet, not to register new fishing boats etc. were the major suggestions agreed upon by the stakeholders. The stakeholders also suggested the Department of Fisheries to conduct regional/harbour level meetings to discuss further on the suggestions, before finalizing the amendments of Karnataka MFR Act.



NFDB sponsored onboard programmes for popularization of square mesh cod end were conducted on 13th, 24th and 29th of the month at Tadri, Mangalore and Malpe fishing harbours respectively. A total of 45 participants had attended the training and they were given awareness about advantages of square mesh cod end, importance of use of BRDs, personal hygiene, cleaning and sanitation of fish contact surfaces, good hygiene practices onboard, ice handling, and storage. Onboard trial was carried out with a 35mm square mesh cod end by which the trainees were convinced about the advantages of square mesh cod end.



As part of the Joint capacity building programmes for SC fishers under the SCSP component of the ICAR-CIFT, two awareness programmes on Fish quality management & Conservation were organized on 31st January 2020 at Thottam Udipi.



Smt Radha, President, SC Fisherwomen Society, Thottam, inaugurates the programme



SCO, NETFISH addressing the SC fishers

In addition to the above, the following are the works and activities performed during the month.

No.	Date	Official(s) involved	Work done
1	17.01.20	SCO & NGO	Discussion with the Secretary & President of SC fisherwomen society at Thottam regarding the CIFT sponsored capacity building training programme for SC fisherwomen

9. MAHARASHTRA

Extension programmes in Maharashtra, during January 2020 consisted of 13 awareness programmes, as per the details given below.

Selected	On board	FH/LC/FV	Total	Total No: of
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<i>Place</i>			<i>programmes</i>	<i>Beneficiaries</i>
Harne	1	10	11	309
Dahanu		1	1	30
Sakharinte	1		1	15
Total	2	11	13	354

<i>No:</i>	<i>Date</i>	<i>Place</i>	<i>Type of Programme</i>	<i>No: of Beneficiaries</i>
1	10.01.20	Harne	NFDB Onboard Programme	14
2	14.01.20	DhakatiDahanu	FH/LC/FV	30
3	23.01.20	Harne	FH/LC/FV	30
4	23.01.20	Harne	FH/LC/FV	30
5	24.01.20	Harne	FH/LC/FV	30
6	24.01.20	Harne	FH/LC/FV	30
7	25.01.20	Harne	FH/LC/FV	30
8	25.01.20	Harne	FH/LC/FV	30
9	26.01.20	Harne	FH/LC/FV	30
10	26.01.20	Harne	FH/LC/FV	30
11	27.01.20	Harne	FH/LC/FV	30
12	27.01.20	Harne	FH/LC/FV	25
13	29.01.20	Sakharinate	NFDB Onboard Programme	15

NFDB sponsored Onboard programmes for popularization of square mesh cod end were conducted at Harne & Sakharinte fishing harbour on 10th and 29th January 2020. The SCO NETFISH briefed the technical aspects and advantages of square mesh cod end to the trainees. A 40mm square mesh cod end covered with 30 mm diamond mesh cod end was used for the onboard trail. Seeing the small fishes and juveniles which escaped from 40 mm square meshes the trainees were convinced on the advantages of square mesh cod end. NETFISH distributed certificates to all the participants.



In addition to the above, the following are the works and activities performed during the month.

<i>No.</i>	<i>Date</i>	<i>Official(s) involved</i>	<i>Work done</i>
1	14.01.20	SCO & NGO	Meeting with Chairman and Secretaries of the Dhakti Dahanu and

			Gungwada Machhimar Societies in connection with Implementation of Vessel log sheets at Dahanu and DhakatiDahanu.
2	15.01.20	SCO & NGO	Discussion with the Chief Officer of the Nagarparishad regarding conduct of awareness programme to the Health Inspectors
3	24.01.20 & 31.01.20	SCO & NGO	Discussion with Smt. Dipti Salavi, Licensing Officer about Implementation of Square mesh cod ends at the Harne landing centre
4	31.01.20	SCO & HDC	Discussion with Shri. Arif Shekh, Sanitary Inspector, Nagar Parishad, Ratnagiri regarding oraganizing awareness programme for Health Inspectors

During the regular awareness programmes, fishermen were supplied with apron, caps and hand gloves instead of stipend money for improving hygiene while handling fishes.



10. GUJARAT

During the month, 21 training programmes were conducted in Gujarat, as briefed below.

<i>Selected Place</i>	<i>Ob</i>	<i>FH/LC/FV</i>	<i>PPC/PP</i>	<i>Df</i>	<i>Other Spcl.</i>	<i>Total programmes</i>	<i>Total No: of Beneficiaries</i>
Veraval	1	3	3			7	191
Mangrol	1	1	1		1	4	89
Porbandar		1	3			4	114
Vanakbara		2				2	59
Dholai		2				2	55
Umargam		1		1		2	58
Total	2	10	7	1	1	21	566

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	02.01.20	Veraval	PPC/PC	28
2	03.01.20	Veraval	FH/LC/FV	30
3	07.01.20	Veraval	FH/LC/FV	30
4	08.01.20	Mangrol	FH/LC/FV	29
5	08.01.20	Mangrol	PPC/PC	30
6	09.01.20	Porbandar	PPC/PC	30
7	09.01.20	Porbandar	PPC/PC	29
8	10.01.20	Porbandar	FH/LC/FV	30
9	10.01.20	Porbandar	PPC/PC	25
10	13.01.20	Veraval	PPC/PC	30
11	14.01.20	Mangrol	On board -NFDB	15
12	17.01.20	Vanakbara	FH/LC/FV	29
13	17.01.20	Vanakbara	FH/LC/FV	30
14	20.01.20	Veraval	PPC/PC	30
15	21.01.20	Veraval	On Board	13
16	22.01.20	Dholai	FH/LC/FV	30
17	22.01.20	Dholai	FH/LC/FV	25
18	23.01.20	Umagam	Dry fish	30
19	23.01.20	Umagam	FH/LC/FV	28
20	27.01.20	Veraval	FH/LC/FV	30
21	30.01.20	Mangrol	Awareness Meeting for Tuna Training programme	15

On 14th of the month, NETFISH had conducted NFDB sponsored onboard programme for popularization of Square mesh cod end at Mangrol. SCO NETFISH briefed the merits of use of Square mesh cod end and demerits of diamond mesh cod end to the trainees. Then practical demonstration was done using square mesh cod end with an outer diamond mesh cod end. After the onboard trial all the participants are happy by seeing the positive results and promised that within short time they will convert to square mesh cod ends. President of Mahavir fisheries cooperative society Mangrol supported NETFISH for this programme.



During the month, awareness meeting were conducted at Mangrol and Veraval fishing harbor with deep sea fishing vessel owners. CE, NETFISH explained the Tuna training



programme of MPEDA. All the boat owners agreed for tuna training in their vessel by the end of February.

In addition to the above, the following are the works and activities performed during the month.

No.	Date	Official(s) involved	Work done
1	17.01.20	SCO &NGO	Visited office of Dept. of fisheries and discussed about the conduct NFDB sponsored on board programme
2	21.01.20	SCO & NGO	Visited office of Dept. of fisheries for taking permission for Onboard programme
3	29.01.20	DD Veraval, DD & AD, SRD, Valsad, CE NETFISH & SCO	Meeting with Fisheries Secretary, Govt. of Gujarat regarding state specific plan of Gujarat
4	30.01.20	CE, NETFISH &SCO	Met boat owners of deep sea fishing vessel and also visited fishing harbor Veraval



CE NETFISH Visited Mangrol Fishing harbour on 30-1-2020



CE's visit to Veraval Fishing harbour

▶ **NETFISH IMPACTS**

1. Due to NETFISH intervention, it is noticed that fishermen are maintaining cleanliness of crates used for handling of fish before and after use at Veraval FH.
2. Fishermen also started handling fishes directly from boat to boxes instead of putting on floor
3. It is noticed that fishermen of Veraval fishing harbour made spiral Ice crusher of around Rs.300000/- for hygienic handling of Ice so they can directly put Ice block in the crusher
4. Vessel log sheet system started at Veraval, Mangrol and Porbandar Fishing harbor by HDCs.



The image shows two pages of a handwritten ledger or account book. The pages are filled with entries in a structured format, likely representing financial transactions. Each page has several columns, including names, amounts, and dates. The handwriting is in black ink on aged paper. The left page has a header section with some text, followed by a list of entries. The right page also has a header and a list of entries. The entries appear to be organized in a way that suggests a chronological or categorical record of transactions.

