



NETFISH-MPEDA



**मासिक विवरण
MONTHLY REPORT**

**दिसम्बर-2019
December-2019**



**मत्स्य गुणता प्रबंधन और चिरस्थायी मत्स्ययन नेटवर्क (नेटफिश)
Network for Fish Quality Management & Sustainable Fishing (NETFISH)
वल्लारपाटमपी. ओ., एर्णाकुलम-682 504, केरल, भारत
Vallarpadam P.O., Ernakulam – 682 504, Kerala, India**

REPORT ON ACTIVITIES OF NETFISH DURING DECEMBER 2019

1) Summary:

As part of its various extension activities, the NETFISH conducted 154 awareness programmes in the month of December 2019, benefitting around 4394 fishery stakeholders.

S.N	Type of extension programme	No. of programmes	No: of Beneficiaries
1	Harbour/LC/Fishermen Village Training Programme	94	2791
2	On-board training programme	24	317
3	Pre-processing/Processing centre training	9	235
4	Dry Fish training	13	385
5	Skill Development programmes	4	116
6	Sea Safety & Navigation training	4	120
7	Other special programmes	6	430
	Total	154	4394

2) Highlights of the month:

- ◆ Paradeep Port Trust sponsored awareness training programmes for fishers at Paradeep.
- ◆ NFDB sponsored State level workshop on “Refinement of Marine Fisheries Management in West Bengal” at CIFE, Salt Lake, West Bengal
- ◆ NFDB sponsored Onboard programme for popularization of square mesh cod ends at Odisha, Tamil Nadu South, Kerala South, Kerala North, Karnataka, Maharashtra and Gujarat region
- ◆ Stakeholders meetings at Kerala South region for the upgradation of Thoppumpady harbour
- ◆ Skill development training programme on Fabrication of Square mesh cod end at Kerala South and Kerala North region
- ◆ Awareness programme on Sea Safety & Navigation at Tamil Nadu North & Kerala South region
- ◆ School programme at Govt. High School, Amdalli, Karnataka
- ◆ Mass communication programme at Thottappally fishing harbour

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 December 2019 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	3	9		4			1	17	382	109	2711
Odisha	13	8					0	21	510	96	2328
Andhra Pradesh	7		1	3			0	11	327	55	2010
TN North	10		2			2	0	14	420	89	3008
TN South	8	2					0	10	270	62	2136
Kerala South	12	1	2	4	3	2	4	28	962	84	2969
Kerala North	8	1	2		1		0	12	303	87	2670
Karnataka & Goa	10	1					1	12	420	72	2364
Maharashtra	11	1					0	12	334	74	2130
Gujarat	12	1	2	2			0	17	466	94	2842
Month's -Total programmes& beneficiaries	94	24	9	13	4	4	6	154	4394	822	25168
Year - Total programmes& beneficiaries	2791	317	235	385	116	120	430	4394			
	506	95	68	61	5	6	81	822			
	14800	1263	1989	1800	146	191	4979	25168			

4) Region-wise activities of NETFISH during December 2019

1. WEST BENGAL

In West Bengal, 17 extension programmes were conducted during December 2019 as per the details given below.

Selected place	Ob	FH/LC/FV	Df	Other Spl.	Total programmes	Total beneficiaries
Sultanpur	1				1	8
Kolkata				1	1	80
Purba Medinipur			2		2	60
Sankarpur	6				6	68
Freserganj	2	2			4	76
Kakdwip		1			1	30
South 24 Parganas			2		2	60
Total	9	3	4	1	17	382

No	Date	Place	Type of Programme	No: of Beneficiaries
1	05.12.19	Sultanpur	Onboard	8
2	06.12.19	CIFE, Conference Hall, Salt Lake City, Kolkata	State level Consultative Workshop on "Refinement of Marine Fisheries Management in West Bengal"	80
3	10.12.19	Sunderpur, Purba Medinipur	Dry Fish	30
4	10.12.19	Haripur,	Dry Fish	30

		Purba Medinipur		
5	11.12.19	Sankarpur	Onboard	12
6	12.12.19	Sankarpur	Onboard	10
7	13.12.19	Sankarpur	Onboard	12
8	13.12.19	Freserganj	FH/LC/FV	30
9	14.12.19	Kakdwip	FH/LC/FV	30
10	23.12.19	Freserganj	FH/LC/FV	30
11	24.12.19	Sankarpur	Onboard	12
12	24.12.19	Freserganj	Onboard	08
13	25.12.19	Sankarpur	Onboard	12
14	26.12.19	Sankarpur	Onboard	10
15	26.12.19	Beguakhali, South 24 Parganas	Dry Fish	30
16	26.12.19	Madhyapara, South 24 Parganas,	Dry Fish	30
17	27.12.19	Freserganj	Onboard	08

The NFDB sponsored one day brainstorming workshop on *“Refinement of Marine Fisheries Management in West Bengal”* was conducted at ICAR-CIFE, Kolkata on 6th December 2019. Dr. S. Kishore, IAS, Addl. Chief Secretary of Fisheries, West Bengal chaired the workshop. Shri. R. K. Sinha, IAS, Fisheries Secretary of West Bengal, Mr. Parvez Ahmed Khan, Secretary, SEAI West Bengal, Dr. Joice V. Thomas, CE, NETFISH were presided over the dais. Around 68 participants including Special Secretary, Dept. of Fisheries, Govt. of West Bengal, Scientist in charge of CIFE, Scientists from CIFE, Professor & HOD of Fisheries Engineering, WBUAFS, Kolkata, Chairman of DFFTA & President West Bengal United Fisherman Association, Secretary of DFFTA, Secretary of WEUFA, representatives of other fishermen associations, officers of MPEDA & State Fisheries, NGOs, and HDCs were actively participated in the workshop. Dr. N. A. Talwar, Prof. & HOD, Fisheries Engineering, WBUAFS did a presentation on National Marine Fisheries Bill 2019. Dr. Saptarsh Biswas, Dy. Director of Fisheries, Govt. of West Bengal presented on the present status of Marine Fishing Regulation in West Bengal. Dr. Joice V. Thomas,



through his presentation explained Kerala Marine Fishing Regulation Act. He highlighted that MLS for 58 marine species has been identified by CMFRI which are included in the KMFR to sustain the resources. All the stakeholders expressed their views towards amendment of MFRA in West Bengal.



On board programme at Freserganj



Dry fish programme at Sunderpur

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

No.	Date	Official(s) involved	Work done
1	02.12.19	DD MPEDA & SCO	Meeting with Additional Chief Secretary, Secretary & Commissioner of Fisheries regarding State level Workshop
2	02.12.19	DD MPEDA & SCO	Meeting with Scientist in charge, CIFE regarding State level workshop
3	04.12.19	SCO & HDC	Meeting with Commandant, Coast Guard regarding various issues related to marine & invited to attend the State level workshop
4	04.12.19	SCO & HDC	Met the stakeholders at Freserganj, Dash mile, Nakmhana and Kakdwip to invite them for the State level workshop
5	06.12.19	DD MPEDA, CE NETFISH, SCO & HDCs	Meeting with CE & HDCs regarding implementation of log sheet in harbours, activities of HDCs etc. at MPEDA, RD Kolkata.
6	07.12.19	CE, SCO & NGO	Discussion with CE & NGO regarding CIFT funded programme for SC fishers, Dry fish project, and workshop.
7	30.12.19	AD MPEDA & SCO	Visited the processing units and meeting with exporters regarding MPEDA scheme & present scenario of export markets etc. at Digha Sea Food, Rupsha Fish and SS Sea Foods, Kolkata
8	30.12.19	AD MPEDA & SCO	Meeting with exporters and farmers regarding MPEDA scheme, present scenario of export markets and MEIS issues etc. at MPEDA, RD, Kolkata

2. ODISHA

In Odisha, 21 awareness programmes were conducted in December 2019 as per the details given below.

Selected place	Ob	FH/LC/FV	Total programmes	Total beneficiaries
Paradeep	7	12	19	465
Bahabalpur	1	1	2	45
Total	8	13	21	510

No	Date	Place	Type of Programme	No: of Beneficiaries
1	02.12.19	Paradeep	On board	15
2	03.12.19	Paradeep	On board	15
3	04.12.19	Paradeep	On board	15
4	05.12.19	Paradeep	On board	15
5	06.12.19	Paradeep	On board	15
6	07.12.19	Paradeep	On board	15
7	08.12.19	Paradeep	On board	15
8	09.12.19	Paradeep	FH/LC/FV	30
9	11.12.19	Paradeep	FH/LC/FV	30
10	12.12.19	Paradeep	FH/LC/FV	30
11	13.12.19	Paradeep	FH/LC/FV	30
12	14.12.19	Paradeep	FH/LC/FV	30
13	16.12.19	Bahabalapur	FH/LC/FV	30
14	17.12.19	Bahabalapur	NFDB Sponsored On board programme	15
15	21.12.19	Paradeep	FH/LC/FV	30
16	22.12.19	Paradeep	FH/LC/FV	30
17	23.12.19	Paradeep	FH/LC/FV	30
18	24.12.19	Paradeep	FH/LC/FV	30
19	25.12.19	Paradeep	FH/LC/FV	30
20	26.12.19	Paradeep	FH/LC/FV	30
21	27.12.19	Paradeep	FH/LC/FV	30

NFDB sponsored On-board programme for popularization of square mesh cod end was conducted at Bahabalapur on 17th December 2019. The programme started with an awareness class for the 15 trainees and then they were taken to the fishing ground for onboard trials using square mesh cod ends. A discussion conducted following the onboard trials, in which Sri. Gayadhar Jena, NGO, SRMSS, Sri. Bikash Das, President, Bahabalapur Trawler



Association, Sri. Gorachand Jena, Vice President, Trawler Association, Sri. Chittaranjan Sahoo, Additional Fishery Officer, Balasore, Sri. Nalinikanta Dash, A.F.O, State Fisheries Department, net shop owners and net menders were attended and discussed the positive results of using square mesh cod end. NETFISH provided T-shirt, cap, gum boot and hand gloves to the trainees. Certificates were also distributed to the participants.



The Paradeep port trust has sanctioned financial assistance from their CSR fund to NETFISH for carrying out capacity building training programmes for fishers in Odisha and utilizing this fund 13 nos. of awareness training programmes were conducted in Paradeep and Bahabalapur areas during the month. The first programme under the PPT CSR fund was held on 9th Dec. 2019 at Paradeep harbour, where a formal inaugural ceremony was also arranged, in which Mr. Rinkesh Roy, Chairman of Paradeep Port Trust was the Chief Guest.



Inaugural ceremony of the Paradeep Port Trust Sponsored programme & a view of the training

3. ANDHRA PRADESH NORTH

In Andhra Pradesh, 11 training programmes were conducted in December 2019 as per the details given below.

Selected place	FH/LC/ FV	PPC/PC	Df	Total programmes	Total beneficiaries
Pudimadaka	1			1	30
Vizag	1	1		2	57
Kakinada	4		2	6	180
Yanam	1		1	2	60
Total	7	1	3	11	327

No	Date	Place	Type of Programme	No: of Beneficiaries
1	19.12.19	Pudimadaka	FH/LC/FV	30
2	20.12.19	M/s Everblue Sea foods Pvt Ltd, Anandapuram, Vizag	PPC/PC	30
3	21.12.19	Kakinada	FH/LC/FV	30
4	22.12.19	Kakinada	FH/LC/FV	30
5	24.12.19	Visakhapattinam	FH/LC/FV	27
6	27.12.19	Kakinada	FH/LC/FV	30
7	27.12.19	Kakinada	Dry fish	30
8	28.12.19	Yanam	Dry fish	30
9	28.12.19	Yanam	FH/LC/FV	30
10	29.12.19	Kakinada	FH/LC/FV	30
11	29.12.19	Kakinada	Dry fish	30

NETFISH in association with all the stake holder groups took a step to take care of sanitation responsibility of Visakhapattinam fishing harbour by forming a registered Fishing Harbour Management Society. On 7th of the month, SCO NETFISH conducted a

meeting at office of Joint Director of Fisheries with the proposed 11 members of FH management committee. The positions are given to the presidents of all the stakeholder groups within the harbour and FDO as the convener of the Society. SCO NETFISH explained the bylaw of the society. The doubts of the members were also cleared. The committee proposed SCO NETFISH as one among the members of the Management committee and thus inducted him as the Adviser for the society. The Society will be registered immediately after collection of all documents from the members.

Handling practices of fish and ice are improved at Kakinada fishing harbour. Now the big sized fishes are transported by using trolleys. The shrimp and fish are transferred from boat to trader, auction and weighing section by using plastic crates.



Dry fish awareness programme at Yanam



FH/LC/FV awareness programme at Vizag

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

No.	Date	Official(s) involved	Work done
1	04.12.19	SCO	Meeting with Joint Director of Fisheries and Presidents of Associations at Visakhapatnam FH for the finalization of committee members for the proposed society.
2	05.12.19	SCO	Meeting with Deputy Traffic manager of Visakhapatnam Port Trust and discussed about the formation of self-sustaining society of Vizag fishing harbour. SCO asked to depute an official as committee member.
3	10.12.19	SCO	Meeting with the Chairman and Deputy Chairman of Visakhapatnam Port trust along with the President of Boat owners Association about the harbor management society formation
4	12.12.19 & 13.12.19	SCO & NGO	Coordinated with the associations and stakeholder groups to collect the documents and prepared the document for harbour management society registration.

4. ANDHRA PRADESH SOUTH

On 6th December 2019, Dr. Vompulu Uma Mahesh has joined as the new State Coordinator in NETFISH to carry out extension activities in Krishna, Guntur, Prakasam and Nellore districts in Southern Andhra Pradesh. He was deputed to associate with the State Coordinator of Andhra Pradesh North region, to learn the way of conduct of extension activities as well as the official procedures.

5. TAMIL NADU NORTH

Along Northern coastal region of Tamil Nadu, 14 training programmes were conducted during the month as per the details given below.

Selected Place	FH/LC/FV	PPC/PC	Sea Safety	Total programmes	Total No: of Beneficiaries
Chennai	1			1	30
Cuddalore		2		2	60
Pondicherry	2			2	60
Karaikal	5		1	6	180
Nagapattinam	1		1	2	60
Chidambaram	1			1	30
Total	10	2	2	14	420

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	10.12.19	Chennai	FH/LC/FV	30
2	11.12.19	Cuddalore	PPC/PC	30
3	11.12.19	Cuddalore	PPC/PC	30
4	12.12.19	Pondicherry	FH/LC/FV	30
5	13.12.19	Pondicherry	FH/LC/FV	30
6	18.12.19	Karaikal	FH/LC/FV	30
7	18.12.19	Karaikal	FH/LC/FV	30
8	19.12.19	Karaikal	Sea Safety	30
9	19.12.19	Karaikal	FH/LC/FV	30
10	20.12.19	Nagapattinam	Sea Safety	30
11	20.12.19	Nagapattinam	FH/LC/FV	30
12	23.12.19	Chidambaram	FH/LC/FV	30
13	24.12.19	Karaikal	FH/LC/FV	30
14	25.12.19	Karaikal	FH/LC/FV	30

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

No.	Date	Official(s) involved	Work done
1	04.12.19	CE & SCO	SCO along with CE NETFISH met the Fisheries Secretary and gave a presentation of the proposed project.
2	12.12.19	SCO	Discussion with fisheries department officials regarding the special programme time frame
3	24.12.19	SCO	Discussion with DD fisheries regarding log sheet implementation
4	26.12.19	SCO	Attended the stake holders meeting at Poombuhar organized by MSSRF



FH/LC/FV awareness programme at Karaikkal *FH/LC/FV awareness programme at Pondicherry*

6. TAMIL NADU SOUTH

In Tamil Nadu South region, 10 awareness programmes were conducted during the month as per the details given below.

Selected Place	Ob	FH/LC/FV	Total programmes	Total No: of Beneficiaries
Kanyakumari		4	4	120
Kovalam		1	1	30
Chinnamuttom	1	1	2	45
Colachel	1	1	2	45
Muttom		1	1	30
Total	2	8	10	270

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	17.12.19	Kanyakumari	FH/LC/FV	30
2	17.12.19	Kovalam	FH/LC/FV	30
3	18.12.19	Kanyakumari	FH/LC/FV	30
4	18.12.19	Chinnamuttom	FH/LC/FV	30
5	19.12.19	Colachel	FH/LC/FV	30
6	19.12.19	Kanyakumari	FH/LC/FV	30
7	20.12.19	Muttom	FH/LC/FV	30
8	20.12.19	Kanyakumari	FH/LC/FV	30
9	23.12.19	Colachel	NFDB Sponsored Onboard programme	15
10	28.12.19	Chinnamuttom	NFDB Sponsored Onboard programme	15

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

No.	Date	Official(s) involved	Work done
1	03.12.19	SCO	Visit to Tharuvaikulam FLC for Tuna long line training programme discussion
2	06.12.19	AD MPEDA & SCO	Meeting with Mr. Kathiresan, AD, O/o Addl. Director of Fisheries & Mr.Yuvaraj, AD Ramnad regarding Tuna long line training programme
3	13.12.19	SCO	Meeting with AD, Rameshvaram & AD, Ramnad, Tuna LL trainers

			& Boat Owners regarding the training programme/Meeting with Dr. Kunal IIM
4	16.12.19	SCO	Meeting with DD, Fisheries, Nagercoil regarding conduct of Square mesh training at Colachel
5	21.12.19	SCO	Meeting with boat owners at Tharuvaikulam regarding the tuna LL training and the agreement between MPEDA-NETFISH & boat owners
6	24.12.19	SCO	Meeting with trainers at Thoothoor regarding the tuna LL training and the agreement between MPEDA-NETFISH & trainers

7. KERALA SOUTH

Along Southern Kerala, 28 awareness programmes were conducted during the month as per the details given below.

Selected Place	Ob	FH/LC/FV	PPC/PP	Df	Skill Dev.	Sea Safety	Other spcl.	Total programmes	Total No: of Beneficiaries
Thoppumpady	1				1	2	3	7	250
Thottappally		8			2		1	11	415
Azheekkal		4						4	120
Eramalloor			2					2	60
Kannamali				4				4	117
Total	1	12	2	4	3	2	4	28	962

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	10.12.19	Thoppumpady	Stake holders meeting	35
2	10.12.19	Thoppumpady	Stake holders meeting	61
3	10.12.19	Thottappally	FH/LC/FV	33
4	10.12.19	Thottappally	FH/LC/FV	35
5	11.12.19	Azheekkal	FH/LC/FV	33
6	11.12.19	Azheekkal	FH/LC/FV	27
7	12.12.19	Thoppumpady	Stake holders meeting	49
8	12.12.19	Thottappally	FH/LC/FV	30
9	12.12.19	Thottappally	FH/LC/FV	30
10	13.12.19	Eramallur	PPC/PP	30
11	13.12.19	Eramallur	PPC/PP	30
12	14.12.19	Azheekkal Kayamkulam	FH/LC/FV	30
13	14.12.19	Azheekkal Kayamkulam	FH/LC/FV	30
14	16.12.19	Thoppumpady	NFDB sponsored Onboard programme	15
15	18.12.19	Thoppumpady	Sea safety & Navigation	30
16	18.12.19	Thoppumpady	Sea safety & Navigation	30
17	20.12.19	Kannamali	Dry fish	30
18	20.12.19	Kannamali	Dry fish	30
19	21.12.19	Thottappally	FH/LC/FV	30
20	21.12.19	Thottappally	FH/LC/FV	30
21	23.12.19	Kannamali	Dry fish	32
22	23.12.19	Kannamali	Dry fish	25
23	24.12.19	Thottappally	Mass communication	100
24	24.12.19	Thottappally	FH/LC/FV	33
25	24.12.19	Thottappally	FH/LC/FV	31
26	26.12.19	Thottappally	Skill development programme on	32

			Square mesh cod end fabrication	
27	26.12.19	Thottappally	Skill development programme on Square mesh cod end fabrication	31
28	27.12.19	Thoppumpady	Skill development programme on Square mesh cod end fabrication	30



Meeting with stakeholders of Thoppumpady harbour regarding harbour development

NETFISH Kerala South had conducted 3 Skill development training programme, 2 at Thottappally and 1 at Thoppumapdy Fishing harbour on fabrication of 'Square mesh cod ends' on 26th & 27th December 2019. Mr.Salas A.A and Mr.Ajayan, the trained trainers were the resource persons of the programmes. A total of 93 participants actively participated and studied the technique of fabrication of square mesh cod end from diamond mesh net.



Square mesh fabrication training programme

NFDB sponsored on-board training programme for Popularization of Square mesh cod ends in trawl net was conducted at Thoppumpady fishing harbour on 16th December 2019. The trainees were first given awareness on importance of use of square mesh cod ends in trawl nets and Minimum Legal size of fishes. A 25 mm diamond shaped Garware net converted into square mesh cod end was used for the onboard trial. A total of 15 beneficiaries attended the training programme.



NFDB sponsored onboard training programme

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

No.	Date	Official(s) involved	Work done
1	02.12.19	SCO	Ornamental fish health certificate issued at Chalakkudy
2	05.12.19	SCO	Attended Advisory committee meeting at Cochin Port Trust
3	08.12.19	SCO	Ornamental fish health certificate issued at Aluva
4	09.12.19	SCO	Discussion at Cochin Ship Yard regarding CSR fund
5	11.12.19	SCO	Meeting with BPCL officials and Stake holders regarding CSR fund
6	19.12.19	SCO	Attended Exhibition Stall at MARICON 2019 organized by CUSAT, Kochi

8. KERALA NORTH

During the month, 12 awareness programmes were conducted in Kerala North region as per the details given below.

Selected Place	Ob	FH/LC/FV	PPC/PP	Skill Dev.	Total programmes	Total No: of Beneficiaries
Munakkakadavu		6			6	180
Narakkal			2		2	27
Munambam	1	2		1	4	96
Total	1	8	2	1	12	303

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	05.12.19	Munakkakadavu	FH/LC/FV	30
2	05.12.19	Munakkakadavu	FH/LC/FV	30
3	06.12.19	NMK PPC, Narakkal	PPC/PP	12
4	06.12.19	APD PPC, Narakkal	PPC/PP	15
5	09.12.19	Munakkakadavu	FH/LC/FV	30
6	09.12.19	Munakkakadavu	FH/LC/FV	30
7	11.12.19	Munambam	NFDB Sponsored Onboard programme	15
8	12.12.19	Munakkakadavu	FH/LC/FV	30
9	12.12.19	Munakkakadavu	FH/LC/FV	30
10	19.12.19	Munambam	FH/LC/FV	30
11	20.12.19	Munambam	Skill development programme on	23

			Square mesh cod end fabrication	
12	24.12.19	Munambam	FH/LC/FV	28

As part of the popularization of the square mesh cod ends in trawl boats, NETFISH organized a skill development training programme on fabrication of square mesh cod ends to the new net menders at Munambam fishing harbour on 20th December 2019. Sri.Unnikrishnan A.V, trained trainer showed the technique of fabrication of square mesh cod end to the trainees. Later on a group of four trainees was given with a piece of diamond shaped net material and they were asked to convert it into square mesh. All the 23 beneficiaries actively participated and converted the net into square mesh cod end. The trainees were satisfied with the hands on training and they were issued with participation certificate.



Square mesh fabrication training at Munambam

NFDB sponsored Onboard programme for popularization of Square mesh cod end in trawl net was conducted at Munambam fishing harbor on 11th December 2019. During the programme, SCO delivered a lecture on importance and advantages of square mesh cod end to the trainees. Dr.Kunal from New Delhi also attended the onboard programme as an observer. Mr.Unnikrishnan. A.V, a trained trainer was the resource person of the training programme and explained the technical aspects of square mesh cod end and showed how the cod end should be connected to the main trawl net. Then the trainer and a trainee together attached the square mesh cod end to the main trawl net. After this, trawl net with square mesh cod end was released to the sea. After one hour hauling, the onboard trail was finished with a good catch of moon fishes, sardine, mackerel, anchovy, crab, squid and ribbon fish. The catch was very clean, free of mud and negligible amount of juvenile fishes. The catch of anchovies was also less. Thus the sorting operation was found simple. The eye appeal of the catch was also impressive. After the onboard trial, the trainees were convinced the advantages of square mesh cod end. The trainees requested to conduct similar programmes in more fishing boats in order to spread the matter quickly. A total of 15 fishermen attended the training programme. NETFISH distributed certificates to all the participants.



NFDB sponsored onboard training programme

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

No.	Date	Official(s) involved	Work done
1	02.12.19	SCO	Attended Munambam fishing harbour management society meeting
2	10.12.19	JD & AD MPEDA, CE NETFISH, SCOs & RA	Attended Stake holders meeting of Thoppumpady FH in connection with the harbour upgradation
3	14.12.19	SCO	Attended awareness programme on coastal security and distribution of eye glasses organized by Police station, Narakkal
4	18.12.19	SCO	SCO attended and given presentation on Munambam FH Society model in the harbour management society formation meeting at four fishing harbours in Kozhikode district. District Collector of Kozhikode, officials from Dept. of Fisheries, HED, Port, Food Safety, Matsyafed and harbour stake holders were attended

9. KARNATAKA & GOA

In Karnataka, 12 awareness programmes were conducted in December 2019, as briefed below.

Selected Place	Ob	FH/LC/FV	Other Spcl	Total programmes	Total No: of Beneficiaries
Tadri		1		1	30
Malpe		5		5	150
Amdalli		2	1	3	165
Bhatkal	1			1	15
Honnavar		1		1	30
Gangolli		1		1	30
Total	1	10	1	12	420

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	07.12.19	Tadri	FH/LC/FV	30
2	10.12.19	Malpe	FH/LC/FV	30
3	11.12.19	Amdalli	School programme at Govt.	105

			High school, Amdalli	
4	14.12.19	Bhatkal	NFDB sponsored onboard programme	15
5	16.12.19	Malpe	FH/LC/FV	30
6	18.12.19	Amdalli	FH/LC/FV	30
7	20.12.19	Malpe	FH/LC/FV	30
8	21.12.19	Malpe	FH/LC/FV	30
9	23.12.19	Honnavar	FH/LC/FV	30
10	24.12.19	Amdalli	FH/LC/FV	30
11	26.12.19	Gangolli	FH/LC/FV	30
12	27.12.19	Malpe	FH/LC/FV	30

On 11th of the month, NETFISH had arranged a school children awareness programme at Govt. High School, Amdalli. Around 105 students and teachers of the school had attended the programme. SCO NETFISH gave a class on hygiene & sanitation, fish quality management, conservation/sustainable fishing, juvenile fishing, harmful effect of waste disposal etc. SCO told the students not to throw plastic wastes to the water bodies. NETFISH distributed leaflets on conservation & fish quality among the students & teacher. Animation video on sustainable fisheries was also shown to the students.



NFDB Sponsored onboard programme for popularization of square mesh cod end was conducted at Bhatkal fishing harbour on 14th December 2019. The programme started with an inaugural function. During the programme, 15 fishers were given awareness about advantages of square mesh cod end, personal hygiene, cleaning and sanitation of fish contact surfaces, good hygiene practices on board, ice handling, and storage. Onboard trial was carried out with a 35mm square mesh cod end. All the trainees gave a positive feedback and they requested NETFISH to conduct more training programmes. NETFISH distributed certificates to all the participants.



NFDB onboard programme

As a result of NETFISH continuous effort for implementation of vessel log sheet, nearly 50% of the fishing vessel owners started giving log sheets during December 2019.

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

No.	Date	Official(s) involved	Work done
1	04.12.19	SCO	Meeting at RD environment, Mangalore regarding DPR on beach landing centres
2	06.12.19	SCO	Coordinated the visit of Dr. Kunal, official from IIM Kashipurat MPEDA, Mangalore
3	09.12.19	DD MPEDA & SCO	Attended WWF stakeholders meeting on fisheries subsidies held at Ocean Pearl, Mangalore. Scientists from CIFT, Kochi, DD & AD fisheries and officials of WWF India were attended.
4	13.12.19	DD MPEDA & SCO	Attended meeting organized by CMFRI, Mangalore regarding MFRA implementation in Karnataka with all state fisheries officials of coastal Districts of Karnataka.

10. MAHARASHTRA

Extension programmes in Maharashtra, during December 2019 consisted of 12 awareness programmes, as per the details given below.

Selected Place	On board	FH/LC/FV	Total programmes	Total No:of Beneficiaries
Mirkarwada	1	1	2	43
Dahanu		2	2	54
Harne		8	8	237
Total	1	11	12	334

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	13.12.19	Mirkarwada	FH/LC/FV	28
2	14.12.19	Mirkarwada & Pethkilla	NFDB sponsored On board programme	15
3	23.12.19	Dahanu	FH/LC/FV	30
4	24.12.19	Dahanu	FH/LC/FV	24

5	24.12.19	Harne	FH/LC/FV	27
6	25.12.19	Harne	FH/LC/FV	30
7	25.12.19	Harne	FH/LC/FV	30
8	26.12.19	Harne	FH/LC/FV	30
9	26.12.19	Harne	FH/LC/FV	30
10	27.12.19	Harne	FH/LC/FV	30
11	27.12.19	Harne	FH/LC/FV	30
12	28.12.19	Harne	FH/LC/FV	30

NFDB Sponsored On board programme for popularization of square mesh cod end was conducted at Mirkarwada fishing harbour on 14th December 2019. SCO NETFISH briefed the technical aspects and advantages of square mesh cod end to the trainees. A total of 15 fishers actively participated in the training programme and gave a positive feedback. NETFISH distributed certificates to all the participants.

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

No.	Date	Official(s) involved	Work done
1	02.12.19	DD MPEDA & SCO	Meeting with Shri. Deepak Gadre, MD, Gadre Marine Exports Pvt. Ltd. regarding availability of CSR fund for NETFISH programmes
2	12.12.19	SCO	Delivered lecture on MPEDA Subsidy scheme in the awareness programme organized by Asian Fisheries Society, Indian Branch & Dept. of Fisheries, Govt of Maharashtra
3	19.12.19	SCO & HDC	Meeting with Scientists, CMFRI, Varsova, Mumbai about conservation of fisheries resources in the State, MLS in Maharashtra, fishery improvement programme of Pomfret fisheries, and also planned for high level meeting with Key officials and stakeholders with Secretary and Commissioner of Fisheries.



Awareness programme at Mirkarwada



Awareness programme at Dahanu

11. GUJARAT

During the month, 17 training programmes were conducted in Gujarat, as briefed below.

Selected Place	Ob	FH/LC/FV	PPC/PP	Df	Total programmes	Total No: of Beneficiaries
Veraval		5			5	139
Mangrol		2			2	57
Porbandar	1	3	2		6	158
Dholai		2			2	54
Umargam				2	2	58
Total	1	12	2	2	17	466

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	05.12.19	Veraval	FH/LC/FV	29
2	09.12.19	Veraval	FH/LC/FV	28
3	10.12.19	Mangrol	FH/LC/FV	28
4	10.12.19	Mangrol	FH/LC/FV	29
5	12.12.19	Porbandar	FH/LC/FV	28
6	12.12.19	Porbandar	PPC/PP	30
7	13.12.19	Porbandar	On board	15
8	13.12.19	Porbandar	FH/LC/FV	30
9	16.12.19	Veraval	FH/LC/FV	25
10	17.12.19	Veraval	FH/LC/FV	27
11	18.12.19	Dholai	FH/LC/FV	24
12	18.12.19	Dholai	FH/LC/FV	30
13	19.12.19	Umargam	Dry fish	28
14	19.12.19	Umargam	Dry fish	30
15	24.12.19	Veraval	FH/LC/FV	30
16	26.12.19	Porbandar	PPC/PP	28
17	26.12.19	Porbandar	FH/LC/FV	27

On 13th of the month, NETFISH had conducted NFDB sponsored Onboard programme for popularization of Square mesh cod end at Porbandar. Around 15 participants actively participated in the programme. SCO NETFISH briefed the merit and demerits of use of Square mesh cod end and diamond mesh cod end to the trainees. Then practical demonstration has been done using outside diamond mesh cod end and inside square mesh cod end. After the on board trial all the participants are happy by seeing the positive result and promised that within short time they will convert to square mesh cod end to conserve the marine resource. M/s. Silver Sea foods, Porbandar supported NETFISH for this programme by providing their own vessel to conduct the onboard trial. NETFISH provided pamphlet, booklet, pen and writing pad to all the participants. Certificates were also distributed among the trainees.



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

No.	Date	Official(s) involved	Work done
1	20.12.19	DD, MPEDA & SCO	Conducted follow up meeting with Commissioner of Fisheries and officials of Dept. of fisheries at Gandhinagar regarding Development of Capture fisheries, Aquaculture and fishing harbor up gradation.



As a result of NETFISH regular awareness programmes, it is noticed that fish transport vehicle at Mangrol fishing harbor converted in to SS and also maintained clean. Booth also found clean after handling of fish.



It is also noticed that at Veraval fishing harbor fishermen is handling fishes directly to boxes instead of putting on floor.



Fishermen at Porbandar fishing harbor maintaining cleanliness in the harbour before and after handling of fishes.

