



NETFISH-MPEDA



मासिक विवरण
MONTHLY REPORT

नवम्बर-2019
November-2019



मत्स्य गुणता प्रबंधन और चिरस्थायी मत्स्ययन नेटवर्क (नेटफिश)
Network for Fish Quality Management & Sustainable Fishing (NETFISH)

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As part of its various extension activities, the NETFISH conducted 144 awareness programmes in the month of November 2019, benefitting around 4650 fishery stakeholders.

S.N	Type of extension programme	No. of programmes	No: of Beneficiaries
1	Harbour/LC/Fishermen Village Training Programme	67	1914
2	On-board training programme	31	423
3	Pre-processing/Processing centre training	4	115
4	Dry Fish	15	445
5	Skill Development programme	1	30
5	Other special programmes	26	1723
Total		144	4650

2) Highlights of the month:

- ◆ Celebration of Swatchhta Pakwada 2019 by arranging rally, awareness programmes and plastic waste cleanup events at harbours/landing centres/coastal areas in 7 maritime states of India.
- ◆ State level workshop on “Refinement of Marine Fisheries Management in Tamil Nadu” at Tamil Nadu North and South region
- ◆ NFDB sponsored On board programme for popularization of square mesh cod ends at Odisha, Andhra Pradesh, Tamil Nadu South, Kerala South, Kerala North and Karnataka region
- ◆ World Fisheries Day Celebration at Paradeep
- ◆ Stakeholders meeting at Kerala South region
- ◆ Skill development training programme on Fabrication of Square mesh cod end at Visakhapatnam fishing harbor

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 November 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 &
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										<i>beneficiaries</i>	
West Bengal	3	9		5			2	19	414	92	2329
Odisha	3	15					3	21	465	75	1818
Andhra Pradesh	1	2		1	1		2	7	370	44	1683
TN North	10			6			5	21	950	75	2588
TN South	5			2			3	10	480	52	1866
Kerala South		2					5	7	207	56	2007
Kerala North	14	2					2	18	545	75	2367
Karnataka & Goa	7	1					2	10	335	60	1944
Maharashtra	14						2	16	471	62	1796
Gujarat	10		4	1			0	15	413	77	2376
Month's -Total programmes & beneficiaries	67	31	4	15	1	0	26	144	4650	668	20774
<i>Year - Total programmes & beneficiaries</i>	1914	423	115	445	30	0	1723	4650			
	416	71	55	48	1	2	75	668			
	12009	946	1754	1415	30	71	4549	20774			

4) Region-wise activities of NETFISH during November 2019

1. WEST BENGAL

In West Bengal, 19 extension programmes were conducted during November 2019 as per the details given below.

Selected place	Ob	FH/LC/FV	Df	Other Spl.	Total programmes	Total beneficiaries
DighaMohana			2	1	3	103
Sankarpur	3	1			4	65
Kakdwip	3	1		1	5	95
PaschimAmarabati			1		1	30
Freserganj	1	1			2	38
Namkhana	1				1	7
Deshapran	1				1	16
TajpurJaldah			1		1	30
New Jaldah			1		1	30
Total	9	3	5	2	19	414

No	Date	Place	Type of Programme	No: of Beneficiaries
1	05.11.19	Balarampur, Digha	Dry Fish	30
2	06.11.19	Tajpur-Jaldah, Digha	Dry Fish	30
3	06.11.19	Sankarpur FH	FH/LC/FV	30
4	07.11.19	Digha, PurbaMedinipur	Swachhata Pakhwada 2019	43
5	07.11.19	Kakdwip FH	FH/LC/FV	30
6	07.11.19	PaschimAmarabati	Dry Fish	30
7	08.11.19	Freserganj FH	FH/LC/FV	30
8	12.11.19	Namkhana LC	Onboard	07
9	13.11.19	Kakdwip FH	Swachhata Pakhwada 2019	43
10	16.11.19	Deshapran FH	On board	16

11	19.11.19	Kakdwip	On board	07
12	20.11.19	Kakdwip, Hanra LC	On board	07
13	24.11.19	Sankarpur FH	On board	10
14	25.11.19	Sankarpur FH	On board	12
15	25.11.19	Kakdwip, Mukundapur	On board	08
16	26.11.19	Sankarpur FH	On board	13
17	26.11.19	Tajpur-Jaldah	Dry Fish	30
18	26.11.19	Freserganj FH	On board	08
19	27.11.19	New Jaldah	Dry Fish	30

On 7th November NETFISH MPEDA Kolkata had conducted *Swatchhta Pakwada* campaign at Digha, Purba Medinipur in collaboration with Ramnagar 1 Biodiversity Management Committee, Purba Medinipur. The programme was consisted of awareness class to the School students followed by coastal cleanup programme of about 3.5 Kms from New Digha to Old Digha. A total of 43 participants including students and teachers of Hirapur Dashagran High School, NETFISH & MPEDA officials, NGO members, HDC and representative of Digha Sankarpur Development Authority (DSDA) had attended the programme. NETFISH distributed hand gloves and caps to all the participants. During the awareness programme, lectures on Biodiversity and its importance to our environment, Highlights on pollution, Significance of cleaning of our environment, Significance of celebration of Swatchhta Pakhwada were given to the participants. All the participants had actively collected plastic bags, PET bottles, plastic cups, thermocol pieces, broken nets etc. from the coastal area of Digha. The marine drive in Digha was also cleaned up by the participants. Finally, a road rally to create awareness on abuse of plastic and to make clean environment was also conducted by displaying posters and banners on “abuse of plastics”, “protect our environment”, “stop catching of juvenile fish” and “Do not catch juvenile Hilsa” etc prepared by the school students.



Another *Swatchhta Pakwada* programme was conducted at Kakdwip fishing harbor on 13th November 2019. Around 43 participants including students and teachers of Vocational Fisheries of Namkhana Narayan Vidyamandir, Namkhana, member of Kakdwip Harbour Committee and Sunderban Matsyajibi Sramik Union, Asst. Secretary of Akshaynagar Fisherman Association, Harbour cleaning staff, HDCs, NGO members & NETFISH State Coordinator were attended the programme. During the awareness programme, topics like Importance of sanitation and cleanliness, role of students for formation of better society, plastic waste management system, personal hygiene,

different types of gears used in the fishing vessels, different saving appliances, Square mesh cod end in trawl nets, registration of fishing boats, etc were discussed in detail. A road rally for about 1.5 Kms from Kakdwip Bazar to Kakdwip Fishing Harbour was also conducted with the students. NETFISH provided hand gloves caps and gunny bags to the participants and they actively collected plastic bags, PET bottles, plastic cups, thermocol pieces, broken nets & ropes etc from the harbor premises. Bleaching powder was also applied in drainages, wharf, and in unsanitary areas. The students were also given awareness to the shopkeepers, net menders and fishermen to dump the waste materials only in designated area to keep the harbor clean. They also requested the harbor authority to place adequate number of waste bins in the harbour premises for proper waste disposal.



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

No.	Date	Official(s) involved	Work done
1	06.11.19	SCO	Meeting with ADF (Marine) regarding State level workshop
2	09.11.19 to 11.11.19	MPEDA & SCO	Conducted training programme on Value added fishery products
3	11.11.19	DD MPEDA & SCO	Arrangement for State level workshop at Nalban, Salt Lake
4	21.11.19	DD, AD&JTO MPEDA and SCO	Meeting with Exporters of Kolkata region on the various issues related to Sea food export
5	26.11.19	DD &AD MPEDA and SCO	Meeting with ADF(Marine) regarding State level workshop, MPEDA's subsidy scheme and recent US ban on capture fisheries etc.
6	26.11.19	DD &AD MPEDA and SCO	Meeting with DFFTA regarding workshop, CPC, implementation of square mesh cod end in trawl net, implementation of log sheet system in Fishing Harbour & recent US ban on capture fisheries etc.
7	29.11.19	SCO	Meeting with Secretary, Tajpur Jaldah dry fish yard for setting up fish drying unit for SC fishers and making market linkage with exporters for dry fish products.

2.ODISHA

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

Selected place	Ob	FH/LC/FV	Other Spec.	Total programmes	Total beneficiaries
Chilka		3	1	4	140
Paradeep	3		1	4	95
Bahabalpur	2		1	3	80
Balramgadi	4			4	60
Dhamara	6			6	90
Total	15	3	3	21	465

No	Date	Place	Type of Programme	No: of Beneficiaries
1	02.11.19	Barakudi,Chilka	FH/LC/FV	30
2	04.11.19	Hatabaradi,Chilka	FH/LC/FV	30
3	05.11.19	Paradeep	On board	15
4	06.11.19	Hatabaradi,Chilka	Swatchhta Pakhwada -Clean Up	50
5	08.11.19	Naikulapatana,Chilka	FH/LC/FV	30
6	11.11.19	Bahabalapur	On board	15
7	12.11.19	Bahabalapur	On board	15
8	13.11.19	Bahabalapur	SwatchhtaPakhwada -Clean Up	50
9	14.11.19	Balaramgadi	On board	15
10	15.11.19	Balaramgadi	On board	15
11	16.11.19	Balaramgadi	On board	15
12	17.11.19	Balaramgadi	NFDB sponsored On board programme	15
13	19.11.19	Paradeep	On board	15
14	20.11.19	Paradeep	On board	15
15	21.11.19	Paradeep	World Fishery Day Celebration	50
16	22.11.19	Dhamara	On board	15
17	23.11.19	Dhamara	On board	15
18	24.11.19	Dhamara	On board	15
19	25.11.19	Dhamara	On board	15
20	26.11.19	Dhamara	NFDB sponsored On board programme	15
21	27.11.19	Dhamara	On board	15

NETFISH Odisha had celebrated *Swatchhta Pakwada 2019* by organizing 2 harbour clean-up programme at Hatabaradi Fish landing Jetty, Chilka and Bahabalapur Fish landing Centre, Balasore on 6th and 13th of the month respectively. Both the programmes were started with an awareness class to the fishers by the officers from Department of Fisheries, SCO and NGO about impact of single use plastics on marine eco-system and about sanitation & hygiene required in fishing boats & landing center. They also urged the fishers not to throw the plastic materials like damaged nets, water bottles, polythene bags, broken plastic basket, engine oil plastic bottles, etc. to the open water and kept them only in the waste basket kept at the harbor. The awareness programme was followed by mass clean-up campaign in which a large quantity of plastic wastes such as damaged nets, pet bottles, polyethylene bags, broken plastic baskets, etc. were collected and disposed off. Around 100 participants attended in both

these programme. NETFISH provided T-shirts, caps, hand gloves, and mouth piece to the participants in Bahabalapur fish landing centre.



The World Fisheries Day was celebrated in Odisha on 21st November 2019 by organizing an awareness programme on the theme “Conserve fisheries resources for tomorrow” at Paradeep fishing harbor. Around 50 participants including Officials from MPEDA, Department of Fisheries, SCO, Members from Paradeep fishing harbor management society, members from trawler owner association, and net menders were attended the programme. During the programme SCO highlighted on importance of conservation of fisheries resources and need of square mesh cod ends in trawl nets. SCO also gave a power point presentation of on-board trails of square mesh cod end conducted at Paradeep fishing harbor and Balramgadi landing centre. Mr. Sumanta Kumar Biswal, President, Trawler owners association, Paradeep announced that in Paradeep fishing harbor all the trawlers in Paradeep fishing harbor will be fitted with square mesh cod end from 2020 onwards. NETFISH distributed caps and square mesh booklet to the participants.

NFDB sponsored On board programme for popularization of Square mesh cod end was conducted at Dhamara fishing harbor on 26th November 2019. The programme started from Dhamara fishing harbor in which 15 crew members were taken to the fishing ground for on-board trial. A discussion was also conducted followed by the on-board programme in which Sri. Sudarshan Lenka, General Secretary, Mr. Abhayamanu Rout, Vice President, Mr. NaliniKanta Das and Mr. Bichitrananda Bhola, AFO, State fisheries department were attended and discussed the positive results of using square mesh cod end. NETFISH provided T-shirt and hand gloves to the trainees.



During the month, the Paradeep Port Trust has sanctioned 10 lakhs from their CSR fund to NETFISH Odisha for conducting joint extension programmes for fishers & fishery stakeholders in Paradeep.

3. ANDHRA PRADESH

In Andhra Pradesh, 7 training programmes were conducted in November 2019 as per the details given below.

Selected place	Ob	FH/LC/ FV	Df	Skill Dev.	Others	Total programmes	Total beneficiaries
Vizag	1	1	1	1	1	5	255
Pudimadaka					1	1	100
Kakinada	1					1	15
Total	2	1	1	1	2	7	370

No	Date	Place	Type of Programme	No: of Beneficiaries
1	04.11.19	Visakhapatnam	FH/LC/FV	30
2	07.11.19	Visakhapatnam	Skill Development on SMCE	30
3	09.11.19	Visakhapatnam	NFDB sponsored Onboard programme	15
4	14.11.19	Pudimadaka	Swachhta Pakhwada- Clean up	100
5	15.11.19	Visakhapatnam	Swachhta Pakhwada- Clean up	150
6	20.11.19	Visakhapatnam	Dry fish	30
7	28.11.19	Kakinada	NFDB sponsored Onboard programme	15

NETFISH Andhra Pradesh had conducted a Skill development training programme on Fabrication of Square mesh codend in trawl nets at Visakhapatnam fishing harbor on 7th November 2019. Mr. Srinivas, a trained trainer was the resource person of the programme. A total of 30 participants actively participated and studied the technique of fabrication of square mesh cod end from diamond mesh. NETFISH distributed Square mesh cod end booklet in Telugu language to the participants.



NFDB sponsored on-board programme for popularization of square mesh cod end was conducted at Visakhapattinam and Kakinada fishing harbor on 9th and 28th of the month respectively. The programme at Visakhapattinam was inaugurated by Mr. P. C. Apparao, President, AP Mechanized Boat owners Association and the programme at Kakinada was inaugurated by Mr. B. Rangarao, President of boat owners association of Kakinada. During the inaugural function, SCO delivered a lecture on importance and advantages of square mesh cod end to the trainees. During the on-board trial, 3 cod ends were used viz. 20 mm diamond mesh, 20 mm square mesh and 30 mm square mesh. After the on-board trial fishermen noticed that due to the less by-catch in 20 mm square mesh cod end segregation of catch was so fast and also noticed that about 2 liters diesel per hour was saved while using 20 and 30 mm square mesh cod ends when compared with the 20 mm diamond cod ends. After the on-board trial, the trainees were convinced the advantages of square mesh cod end. A total of 30 fishermen attended the training programme. NETFISH distributed training kit including notebook, pen and training manual and T-shirt, gum boots and hand gloves to the participants.



On board programme at Visakhapattinam

On board programme at Kakinada

NETFISH Andhra Pradesh had celebrated *Swatchhta Pakwada 2019* by organizing 2 harbour clean-up programme at Pudimadaka fish landing centre on 14th November and at Visakhapattinam harbor on 15th of the month respectively. Both the programmes were conducted with the active participation of stake holder groups, fishermen association and NGO DFYWA. The programme started with an awareness meeting in which the participants were given awareness on requirement of hygiene in landing

centers, fishery conservation and fish quality management. The meeting was followed by the cleanup programme with the involvement of fishermen and officials of different State Departments. NETFISH provided Caps, T shirts and materials required for cleaning like offal gunny bags, brooms and Hand Gloves to the participants. All the participants had actively collected carry bags and plastic wastes from the harbour premises in offal bags and collected waste was safely disposed. The difference between unclean and cleaned premises was shown to the fishers and NETFISH asked them to maintain it by doing regular cleaning. The Panchayath at Pudimadaka and traders association at Visakhapatnam has promised to provide dustbins for collection of wastes and to identify and demark the new area for safe disposal of waste.



Cleanup programme at Pudimadaka



Cleanup programme at Visakhapatnam

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

No.	Date	Official(s)involved	Work done
1	12.11.19	CE & SCO	Coordinated CE, NETFISH for conducting interview for selection of SCO in Andhra Pradesh South
2	13.11.19	SCO	Attended the workshop on "Harvest and post harvest interventions for mainstreaming biodiversity conservation into fisheries sector of East Godavari Riverine and Estuarine ecosystems" organized by CIFT, Kakinada
3	26.11.19	SCO & NGO	Meeting with the Officials of Dept. of Fisheries and Stakeholders and distributed the copies of prepared By law of Vizag harbour Society for Management
4	30.11.19	AD MPEDA & SCO	Coordinated with RD MPEDA Vizag for Exporters meeting at FSI Visakhapatnam

4. TAMIL NADU NORTH

Along Northern coastal region of Tamil Nadu, 21 training programmes were conducted during the month as per the details given below.

Selected Place	FH/LC/FV	Df	Other Spl.	Total programmes	Total No: of Beneficiaries
Cuddalore	1	2	1	4	165
Pondicherry	5		2	7	325
Chennai			1	1	120
Karaikal	2	2	1	5	220
Nagapattinam	1	2		3	90
Nagoor	1			1	30
Total	10	6	5	21	950

No:	Date	Place	Type of Programmme	No: of Beneficiaries
1	04.11.19	Cuddalore	FH/LC/FV	30
2	06.11.19	Cuddalore	Dry fish	30
3	06.11.19	Cuddalore	Dry fish	30
4	07.11.19	Pondicherry	FH/LC/FV	30
5	07.11.19	Pondicherry	FH/LC/FV	30
6	08.11.19	Pondicherry	Swatchhta Pakhwada- clean up	75
7	08.11.19	Pondicherry	FH/LC/FV	30
8	09.11.19	Cuddalore	Swatchhta Pakhwada- clean up	75
9	14.11.19	Chennai	State level workshop	120
10	19.11.19	Karaikal	FH/LC/FV	30
11	19.11.19	Karaikal	FH/LC/FV	30
12	20.11.19	Nagapattinam	FH/LC/FV	30
13	20.11.19	Nagoor	FH/LC/FV	30
14	21.11.19	Nagapattinam	Dry fish	30
15	21.11.19	Nagapattinam	Dry fish	30
16	22.11.19	Karaikal	Dry fish	30
17	22.11.19	Karaikal	Dry fish	30
18	26.11.19	Pondicherry	FH/LC/FV	30
19	27.11.19	Pondicherry	FH/LC/FV	30
20	28.11.19	Pondicherry	State level workshop	100
21	29.11.19	Karaikal	State level workshop	100

On the eve of *Swachhta Pakwada 2019*, NETFISH Tamil Nadu North region had organized 2 harbour clean up programme at Pondicherry fishing harbor and Pudukuppam fishing village on 8th and Cuddalore fishing harbor on 9th of the month respectively. Mr. Mounisamy, Director of fisheries Pondicherry inaugurated the function at Pondicherry. The clean up programme started at 9.00 am with active participation of around 75 fishermen. Then the team moved to Pudukuppam fishing village and did the clean up and collected all waste and discarded it safely.





The Inspector of fisheries from the State Fisheries Department inaugurated the programme at Cuddalore. A total of 75 participants involved in this programme and they are divided into five groups and did the cleaning process. The net mending shed and wharf area were completely cleaned and the waste collected in gunny bags were shifted to the municipal waste material handling area.

NETFISH in association with the Department of Fisheries, Tamil Nadu state had organized a one day brainstorming workshop titled '*Refinement of Marine Fisheries Management in Tamil Nadu state*' on 14th November 2019 at Conference hall, Department of fisheries, Tamil Nadu. The workshop aimed to bring all the major fishery stakeholder groups, senior state fishery officials and Scientists from fishery research Institutes under one platform to discuss on the need of amendment in the existing Tamil Nadu Marine Fishing Regulation Act (TMFRA) 1983. Senior officials including Mr. G.Arumugam, Additional Director of Fisheries (Marine), Dr.G.S.Sameeran, IAS, Director of Fisheries, Mrs. S. Noorjahan Beevi, Additional Director of Fisheries (FIMSUL), Mr. L.A.G. Julius Edward, Deputy Director (Marine), Dr.Joice V,Thomas, Chief executive, NETFISH, SCO, fishermen representing various group such as country boat fishermen and mechanized boat fishermen etc. had attend the workshop and actively participated in the discussions. Chief Executive of NETFISH through his presentation explained the 'Kerala Marine Fishing Regulation (Amendment) Act 2017' and 'Kerala Marine Fishing Regulation Rules 2018' with respect to fleet size, engine horsepower, gear size, mesh size, minimum legal size, setting up of fisheries management council, implementation of vessel monitoring system (VMS) etc. to the participants. All the major stake holders recommended amending the existing TMFR Act in line with KMFR Act. Ban on purse seine, ring seine, pair trawling and light fishing, Regulation in mesh size, engine power and registration of boat yard, implementation of square mesh cod end, installation of TED, registration of fishing boats, etc. were the major suggestions put forwarded by the stake holders.



During the month 2 other State level work shop were also organized by NETFISH with the financial support of Department of Fisheries, Pondicherry on “Refinement of Marine Fisheries Management in Pondicherry and Karaikkal” on 28th and 29th of the month respectively. A total of 200 stakeholders attended in these workshops.



Workshop at Pondicherry



Workshop at Karaikkal

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

No.	Date	Official(s) involved	Work done
1	05.11.19	SCO	Discussion with Fisheries Director and other officials regarding the State level workshop and harbour clean up programme at Pondicherry and Karaikal
2	25.11.19	SCO	Discussion with Director, JD, DD and other fisheries officials regarding the State level workshop

As a result of NETFISH regular awareness programme, the boat owners association in Pazhaiyar Fishing harbour wants to convert from diamond mesh to 40 mm square mesh cod end in their trawl nets. Around 150 numbers of registered boat owners were put their signature and submit the letter to RD MPEDA through NETFISH State coordinator for getting square mesh cod end in the subsidized rate.

5. TAMIL NADU SOUTH

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

Selected Place	FH/LC/FV	Df	Other Spcl	Total programmes	Total No: of Beneficiaries
Tuticorin	5	2	3	10	480
Total	5	2	3	10	480

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	12.11.19	Tuticorin	FH/LC/FV	30
2	14.11.19	Tuticorin	Swachhta Pakhwada - Cleanup	80
3	15.11.19	Tuticorin	Swachhta Pakhwada - Cleanup	50
4	18.11.19	Tuticorin	Dry Fish	30

5	18.11.19	Tuticorin	Dry Fish	30
6	19.11.19	Tuticorin	FH/LC/FV	30
7	19.11.19	Tuticorin	FH/LC/FV	30
8	23.11.19	Tuticorin	FH/LC/FV	30
9	23.11.19	Tuticorin	FH/LC/FV	30
10	27.11.19	Tuticorin	NFDB Sponsored State Level workshop on "Refinement of Marine Fisheries Management of Tamilnadu"	140

To observe *Swatchhta Pakwada 2019*, a fishing harbor clean-up programme was conducted on the 14th of November 2019 at Tuticorin FH. The programme was jointly organized by NETFISH, Tamilnadu Fisheries Department, and CRS-Derose, Tuticorin. Mrs. N. Chandra, Joint Director of Fisheries, Tuticorin in her inaugural speech highlighted the importance of cleanliness in the harbor. Mrs. Viola, Assistant Director of Fisheries, Tuticorin, Mrs. Anju, Assistant Director, MPEDA, Dr. Tagore Derose, Director CRS-Derose, Dr. Vinoth S. Ravindran, State Coordinator, NETFISH, Harbour co management committee members and HDC were also present on the occasion. About 20 school students and teachers from Thasnevis Matha Hr. Sec School, Tuticorin and About 50 fishermen from various fishermen union also took part in the cleanup event. The participants were divided into five groups and they cleaned the landing hall and other areas of the fishing harbour. NETFISH provided Hand gloves, Jute Gunny bags (50 kg capacity), Bamboo baskets, brooms, bleaching powder, buckets, and phenol for the cleaning purpose. Clean drinking water and emergency medical assistance kit including Antiseptic Dettol, Gauze, cotton, and Antiseptic Nebosulf powder were also made available to the participants.



Another cleanup programme as part of *Swatchhta Pakwada* was organized at Inigo Nagar, Tuticorin on 15th November 2019. A total of 50 participants actively involved and cleaned the landing centre. The collected debris documented and disposed off with the Panchayath facilities. NETFISH provided Hand gloves,



Jute Gunny bags (50 kg capacity), Bamboo baskets, brooms, bleaching powder, buckets, and phenol for the cleaning purpose. Clean drinking water and emergency medical assistance kit including Antiseptic Dettol, Gauze, cotton, and Antiseptic Nebosulf powder were also made available to the participants.

One day brain storming workshop on *“The Refinement of Marine Fisheries Management of South Tamilnadu”* Sponsored by National Fisheries Development Board was conducted on the 27th November 2019 at Centre for Incubation & Vocational Training in Fisheries (CIVF), Fishing Harbour Campus, Fisheries College & Research Institute, Tuticorin. The event was jointly organized by NETFISH Tuticorin and Tamilnadu Fisheries Department. About 140 Fishermen, Union leaders, stakeholder’s from Puthukottai, Tanjavur, Ramnad, Tuticorin, Tirunelveli and Kanyakumari were participated in the one day workshop. Mrs. N. Chandra, Joint Director of Fisheries (Regional) and Dr. Vinoth S Ravindran, State Coordinator NETFISH were the conveners of the event. Mrs. V. Prabhavathi, DD Fisheries, Ramnad, Mrs. R. Sharmila, DD Fisheries, Trichy , Mr. T. Elamvazhuthi, DD Fisheries, Kanyakumari and Dr. N. Neethiselvan, Professor & Head, Fishing Technology & Fisheries Engineering, Fisheries College and Research Institute, Tuticorin Mrs. Anju, Assistant Director, MPEDA, Tuticorin, Dr. Ranjit, Scientist, CMFRI, Regional Centre, Tuticorin, Dr. David Kingston, Professor & Head, FC & RI, Capt.Vishvanathan, Dean, College of Nautical Science and Engineering were also present on the occasion. The workshop was inaugurated by Dr. P. Velayudham, Dean – in-Charge FC & RI, Tuticorin. Dr. Joice V Thomas, Chief Executive, NETFISH delivered the presidential address. A Presentation on Marine Fishing Regulation Act of Tamilnadu was delivered by Smt. N. Chandra, Joint Director (Regional), Tamilnadu State Fisheries Department followed by a presentation on Wildlife Protection Act, 1972 by the Tamilnadu Forest Department. Dr. Joice V Thomas, CE, NETFISH delivered a presentation on Amendment of Marine Fisheries Regulation Act- Kerala Model. Following that a brainstorming session on amendments to be made, if any in the TNMFRA for sustainable fishing was conducted. Dr. Vinoth S Ravindran, State Coordinator, NETFISH-MPEDA, Tuticorin summarized the recommendations of the workshop. He also delivered the vote of thanks and the workshop concluded with the National Anthem.

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

No.	Date	Official(s) involved	Work done
1	06.11.19	SCO	Discussion with JD & AD Fisheries regarding Tuticorin FH & Therespuram FLC Cleanup Programme, Conduct of State level workshop and selection of boats for Tuna LL training
2	08.11.19	SCO	Discussion with DD & AD Fisheries regarding State level workshop, Tuna LL training and Square mesh training, and World Fisheries Day Celebration 2019
3	21.11.19	SCO	Attended World Fisheries Day Celebration at Tuticorin

6. KERALA SOUTH

Along Southern Kerala, 7 awareness programmes were conducted during the month as per the details given below.

Selected Place	On board	Other spcl.	Total programmes	Total No: of Beneficiaries
Thottappally	1		1	15
Sakthikulangara		1	1	50
Azheekkal	1	2	3	92
Thoppumpady		2	2	50
Total	2	5	7	207

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	05.11.19	Thottappally	NFDB Sponsored On board programme	15
2	06.11.19	Sakthikulangara	Swachhta Pakwada Harbour Cleanup Programme	50
3	13.11.19	AzheekkalKayamkulam	Swachta Pakwada Harbour Cleanup Programme	50
4	13.11.19	AzheekkalKayamkulam	NFDB sponsored On board programme	15
5	15.11.19	Azheekkal Kayamkulam	Stake holders meeting regarding Harbour Hygiene and CSR fund utilization	27
6	19.11.19	Thoppumpady	Stake holders meeting with consultants for Harbour upgradation	20
7	27.11.19	Thoppumpady	Stake holders Meeting	30

NETFISH Kerala South had conducted 2 NFDB sponsored on-board training programme for Popularization of Square mesh cod ends in trawl net at Thottappally and Azheekkal fishing harbour on 5th & 13th November 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 on board trial. A total of 30 beneficiaries attended the training programme.

To celebrate *Swachhta Pakwada 2019*, 2 harbour clean up, awareness class and a rally were conducted at Neendakara & Azheekkal fishing harbour on 6th & 13th of the month respectively. The programmes were jointly organized by NETFISH & Coastal Police Station, Neendakara. Around 100 participants attended the cleanup programme. The collected plastic waste was given to the plastic shredding unit at Sakthikulangara.

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

No.	Date	Official(s) involved	Work done
1	04.11.19	SCO	Attended the awareness Programme organized by Department of Fisheries, Thrissur
2	07.11.19	SCO	Meeting at MPEDA regarding DPR presentation and harbor visit with consultants

3	08.11.19	SCO	Discussion with PRO regarding the availability of CSR fund at BPCL,Ambalamukal
4	11.11.19	SCO	Visit toThoppumpady harbour with consultants
5	19.11.19	SCO	Stake holders meeting with consultants for Harbour upgradation at Thoppumpady
6	21.11.19	SCO	Meeting at MPEDA regarding Harbour upgradation & DPR presentation by consultants
7	23.11.19	SCO	Attended meeting regarding Harbour upgradation and DPR presentation by consultants at Hotel Taj Malabar

7. KERALA NORTH

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

Selected Place	Ob	FH/LC/FV	Other spcl	Total programmes	Total No: of Beneficiaries
Munakkakadavu		4	1	5	160
Chettuva		2		2	60
Munambam		4	1	5	180
Ponnani	1	2		3	75
Beypore	1	2		3	70
Total	2	14	2	18	545

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	04.11.19	Munakkakadavu	FH/LC/FV	30
2	05.11.19	Chettuva	FH/LC/FV	30
3	05.11.19	Chettuva	FH/LC/FV	30
4	06.11.19	Munambam	FH/LC/FV	30
5	07.11.19	Munakkakadavu	SwachhtaPakwada- clean up	40
6	07.11.19	Munakkakadavu	FH/LC/FV	30
7	09.11.19	Munambam	SwachhtaPakwada- clean up	60
8	13.11.19	Munambam	FH/LC/FV	30
9	18.11.19	Ponnani	FH/LC/FV	30
10	18.11.19	Ponnani	FH/LC/FV	30
11	20.11.19	Beypore	FH/LC/FV	30
12	20.11.19	Beypore	FH/LC/FV	25
13	21.11.19	Beypore	NFDB sponsored Onboard programme	15
14	25.11.19	Munakkakadavu	FH/LC/FV	30
15	25.11.19	Munakkakadavu	FH/LC/FV	30
16	26.11.19	Munambam	FH/LC/FV	30
17	26.11.19	Munambam	FH/LC/FV	30
18	28.11.19	Ponnani	NFDB sponsored Onboard programme	15

NETFISH has conducted a harbour cleanup programme at Munakakadavu Fish Landing Centre as part of *Swachhta Pakhwada 2019* on 7th November 2019. The cleaning programme was arranged by NETFISH-MPEDA in association with the harbour Labour Union Coordination Committee of Munakkakadavu. The cleaning programme was inaugurated by Shri.P.K.Basheer, Kadappuram Grama Panchayat President in a function

presided over by NETFISH State Coordinator Shri. Santhosh N.K. Shri.Ashkar Ali, Grama Panchayat Ward member and Shri.Shafi P.A President, Tharakans Association felicitated on the occasion. Shri.P.A Siddi, President, Labour Union Coordination Committee welcomed the gathering and Shri. P.M.Jalal, Secretary, Labour Union Coordination Committee proposed the vote of thanks. Harbour workers actively participated in the cleaning activity. They have cleaned the grass which was growing in the harbour premises and all other solid litter from the harbour. Later on they have cleaned the auction hall and the compound by hosing. NETFISH provided caps, hand gloves, face masks, refreshments and lunch for the entire people participated in the cleaning. About 40 harbour workers from different unions participated in the cleaning activity.



Another Harbour cleanup programme as part of *Swachhta Pakhwada 2019*, was organized jointly by NETFISH-MPEDA, EIA Kochi and SEAI Kerala region at Munambam Fishing Harbour on 9th November 2019. The cleaning programme was inaugurated by Shri. P.K.Radhakrishnan, Pallippuram Grama Panchayat President in a function presided over by Shri. Jayapalan.G, Deputy Director, EIA Kochi. Shri.Saju M.S, JD Fisheries Department, Smt. Sunila Dayalu, Panchayat ward member,



DrJoice V. Thomas, CE, NETFISH, Shri.K.CJayan & Shri.Harikrishnan, representatives from SEAI Kerala region and Smt. Ancy M.J. Assistant Executive Engineer, Harbour Engineering Department offered felicitations. Dr. Pramod P.K. Assistant Director, EIA Kochi welcomed the gathering and Shri. Santhosh N.K, NETFISH State Coordinator proposed the vote of thanks. Around 60 members from the above three organization actively cleaned the fishing harbour. Two numbers of JCBs were hired for the clearing of bushes in the unused part of the harbour compound. The participants were given T-

shirt, face mask and hand gloves. Refreshments and lunch were also provided to all the participants.

NFDB sponsored On board programme for popularization of Square mesh cod end in trawl net was conducted at Beypore and Ponnani fishing harbor on 21st and 28th of the month respectively. During the on board programme, SCO delivered a lecture on importance and advantages of square mesh cod end to the trainees. Mr. Unnikrishnan. A.V, a trained trainer was also present on both 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 fishes, crab and squid. 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. A diamond shaped cod was also used for the next trail to compare the catch composition. After the on board 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 30 fishermen attended the training programme. NETFISH distributed certificates to all the participants.



On board programme at Ponnani



On board programme at Beypore

NETFISH interventions have successfully introduced full set uniforms in two preprocessing centers, thus making the total number of preprocessing centers with similar changes to six. The selected PPCs were APD & Company and NMK PPC in Njarakkal area in Ernakulam district. A total of 40 preprocessing workers were benefitted due to this change. The uniform consists of body dress, mouth cover, head gear, apron and gumboots. Continuous training programmes were conducted in these PPCs. This change has improved the personnel hygiene of workers and enhanced the self respect and discipline among them. The PPC owners have appreciated NETFISH efforts for helping them to bring about this positive change among the workers. The workers were also happy about having complete protective clothing with them so that they are less exposed to cold and water during working hours.



Workers at NMK PPC-Before



Workers at NMK PPC-Present

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

No.	Date	Official(s) involved	Work done
1	08.11.19	SCO	Attended Munambam Fishing Harbour Management Society meeting
2	17.11.19	SCO	Attended the office inauguration of Vypin Trawl Net Makers Welfare Association
3	29.11.19	SCO	SCO along with JD (F) coordinated and guided the team of visitors from Somalia, Yemen, Indonesia & Bangladesh in Munambam FH

8. KARNATAKA & GOA

In Karnataka, 10 awareness programmes were conducted in November 2019, as briefed below.

Selected Place	Ob	FH/LC/FV	Other Spcl	Total programmes	Total No: of Beneficiaries
Malpe		4		4	115
Honnavar		2	1	3	105
Amdalli			1	1	65
Chapora	1			1	20
Gangolli		1		1	30
Total	1	7	2	10	335

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	09.11.19	Malpe	FH/LC/FV	30
2	11.11.19	Honnavar	Swatchhta Pakhwada-harbour clean-up	55
3	12.11.19	Amdalli	Swatchhta Pakhwada-harbour clean-up	65
4	13.11.19	Malpe	FH/LC/FV	30
5	16.11.19	Chapora	NFDB sponsored On board programme	20
6	19.11.19	Malpe	FH/LC/FV	25
7	20.11.19	Honnavar	FH/LC/FV	25
8	21.11.19	Honnavar	FH/LC/FV	25

9	25.11.19	Malpe	FH/LC/FV	30
10	26.11.19	Gangolli	FH/LC/FV	30



A harbour clean-up programme as part of *Swatchhta Pakwada 2019* was conducted at Honnavar fishing harbour on 11th November 2019. The programme was inaugurated by Assistant Director of Fisheries, Shri. Narayana K A, narrated the objectives of the harbor clean-up programme and NETFISH activities in Karnataka with respect to quality management and sustainable fisheries. He also urged the fishers to practice hygienic fish handling on

onboard and inside the fishing harbour. After the inauguration function, the fishers were given a demonstration on how to clean the fishing harbour and auction hall. Around 55 fishermen attended the programme.

Another harbour cleanup programme was conducted at Amdalli fishing harbour on 12th of the month in which more than 65 fishers were participated. Shri. Narayana K A, narrated the objectives of the harbor clean-up programme and NETFISH activities in Karnataka with respect to quality management and sustainable fisheries. He also urged the fishers to practice hygienic fish handling on onboard and inside the fishing harbour.



After the inauguration function, the fishers were given a demonstration on how to clean the fishing harbour and auction hall.

NFDB Sponsored on board programme for popularization of square mesh cod end was conducted at Chapora fish landing centre, Goa. The programme started with an inaugural function. During the programme, 15 fishers were given awareness about advantages of square meshcod end, personal hygiene, cleaning and sanitation of fish contact surfaces, good hygiene practices on board, ice handling, and storage. On board 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.

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

No.	Date	Official(s) involved	Work done
1	18.11.19	DD & AD MPEDA and SCO	Organized HDCs Meeting at SRD, Mangalore; Targets were given to each HDCs for implementation of MPEDA scheme for fishers
2	27.11.19	AD MPEDA, SCO & HDC	Awareness programme on MPEDA scheme at Karwar
3	27.11.19	AD MPEDA, SCO & HDC	Awareness programme on MPEDA scheme at Amdalli
4	28.11.19	AD MPEDA, SCO & HDC	Awareness programme on MPEDA scheme at Tadri
5	28.11.19	AD MPEDA, SCO & HDC	Awareness programme on MPEDA scheme at Honnavar
6	28.11.19	AD MPEDA, SCO & HDC	Awareness programme on MPEDA scheme at Bhatkal

9. MAHARASHTRA

Extension programmes in Maharashtra, during November 2019 consisted of 16 awareness programmes, as per the details given below.

Selected Place	FH/LC/FV	Other spcl	Total programmes	Total No:of Beneficiaries
Arnala	1	1	2	95
Dahanu	2		2	46
Harne	7	1	8	231
Pajpandhari	4		4	99
Total	14	2	16	471

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	10.11.19	Arnala	Swachhta Pakhwada 2019 – Cleanup programme	50
2	10.11.19	Arnala	FH/LC/FV	45
3	11.11.19	Dahanu	FH/LC/FV	21
4	11.11.19	Dahanu	FH/LC/FV	25
5	13.11.19	Harne	FH/LC/FV	30
6	13.11.19	Harne	FH/LC/FV	23
7	14.11.19	Harne	FH/LC/FV	22
8	14.11.19	Harne	FH/LC/FV	16
9	15.11.19	Harne	Swachhta Pakhwada 2019 – Cleanup programme	50
10	15.11.19	Harne	FH/LC/FV	29
11	16.11.19	Harne	FH/LC/FV	30
12	16.11.19	Harne	FH/LC/FV	31
13	17.11.19	Pajpandhari	FH/LC/FV	30
14	17.11.19	Pajpandhari	FH/LC/FV	25
15	18.11.19	Pajpandhari	FH/LC/FV	29
16	18.11.19	Pajpandhari	FH/LC/FV	15

NETFISH Maharashtra had conducted 2 beach cleanup programmes as part of *Swatchhta Pakwada 2019* at Arnala fish landing centre and Harne fishing harbour on 11th & 15th November 2019. Around 100 participants including fishermen, fisherwomen, members from fishermen Co-operative Societies, SCO, NGO and HDCs were attended the programme. SCO NETFISH delivered a speech on Hygienic handling of fish at landing centre. Aprons, caps, hand gloves and masks were distributed to all the participants. After the beach cleaning activity about 3 tons of debris which includes plastic sheets, mineral water bottles, chappals and shoes, thermacol pieces, fishing nets, tires, medicine bottles, cement bags, tin cans, plastic glass, paper, pieces of puffs, plastic cans, pieces of cartons, wrappers of snacks, etc. were collected and disposed off.



Cleanup programme at Arnala



Cleanup programme at Harne

During the month, NETFISH had distributed 135 numbers of hand gloves and 236 numbers of washable aprons to the trainees of regular 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	22.11.19	SCO	Meeting with Shri. Rajendra Jadhav, Joint Commissioner to discuss about State Level Workshop.
2	29.11.19	SCO & HDC	Met Shri. Ramdas Sandhe, Chairman, Maharashtra Rajya Machhimar Sahakari Sangha Maryadit (Apex Body) and delivered a Power point presentation and explained about NETFISH activities in Maharashtra.

10. GUJARAT

During the month, 15 training programmes were conducted in Gujarat, as briefed below.

Selected Place	FH/LC/FV	PPC/PP	Df	Total programmes	Total No: of Beneficiaries
Veraval	4	3		7	199
Porbandar	3	1		4	108
Dholai	2			2	53
Umargam	1		1	2	53

No:	Date	Place	Type of Programme	No: of Beneficiaries
1	04.11.19	Veraval	FH/LC/FV	30
2	05.11.19	Veraval	FH/LC/FV	30
3	06.11.19	Veraval	FH/LC/FV	28
4	11.11.19	Porbandar	FH/LC/FV	27
5	11.11.19	Porbandar	PPC	30
6	13.11.19	Veraval	PPC	30
7	14.11.19	Veraval	PP	27
8	15.11.19	Veraval	PPC	28
9	19.11.19	Dholai	FH/LC/FV	27
10	19.11.19	Dholai	FH/LC/FV	26
11	20.11.19	Umargam	Dry fish	25
12	20.11.19	Umargam	FH/LC/FV	28
13	22.11.19	Veraval	FH/LC/FV	26
14	25.11.19	Porbandar	FH/LC/FV	24
15	25.11.19	Porbandar	FH/LC/FV	27



Awareness programme at Porbandar



Awareness programme at Dholai

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

No.	Date	Official(s) involved	Work done
1	05.11.19 to 07.11.19	SCO	Conducted Value addition training programme organized by MPEDA
2	13.11.19	SCO & NGO	Visited CIFT to discuss on conducting Value addition and square mesh programme etc
3	27.11.19	DD, RD, Veraval, AD, RD, Valsad & SCO	Conducted meeting with Fisheries Minister, Commissioner Fisheries and officials of Dept. of fisheries at Gandhinagar for development of Capture fisheries, Aquaculture and fishing harbor up gradation etc

It is noticed that due to NETFISH continuous training programme and efforts to stop ice crushing on dirty floor, more fishers of Veraval fishing harbor have stopped putting ice on floor. They have spent around 3 lakhs for making ice crushing machine for hygienic handling of ice.

