



**NETFISH-MPEDA**



**मासिक विवरण - दिसंबर 2020**

**MONTHLY REPORT - DECEMBER 2020**



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

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## MONTHLY REPORT ON ACTIVITIES OF NETFISH DURING DECEMBER 2020

Extension activities of NETFISH along the maritime states of India during December 2020 consisted of 148 awareness programmes, benefitting around 3318 stakeholders. Several meetings and discussions with stakeholders and officials concerned were also carried out regarding issues related to fish quality management and conservation of resources. In addition, continued disseminating various awareness messages among the members of various stakeholder groups through the 129 nos. of WhatsApp groups formed at 98 harbours.

Sl.No.	Type of extension programme	No. of programmes	No: of Beneficiaries
I	<b>NETFISH Funded Programmes</b>		
1	Harbour based programme	26	583
2	Fishing vessel based programme	60	904
3	Pre-processing programme	22	598
4	Processing programme	16	575
5	Dry fish programme	17	489
II	<b>External Funded Programmes</b>		
6	Paradeep Port Trust Funded Programmes	6	120
7	ICAR-CIFT funded programmes	1	49
III	<b>TOTAL</b>	<b>148</b>	<b>3318</b>

*Table: Details of Extension Training Programmes conducted during December 2020*

### **Major activities during the month**

- Conducted CIFT sponsored Sea Safety & Navigation programme at Kakdwip FH
- Conducted 6 numbers of Paradeep Port Trust sponsored awareness programmes at Paradeep.
- Conducted Marine Mammal and Sea Turtle by-catch data collection surveys in selected harbours of all maritime states.
- Conducted inspection at Dry fish units and feed meal units at West Bengal.
- Conducted training programme to processing workers on Hygienic handling, Sanitation, Covid 19 protocol etc.
- Conducted survey of unauthorized pre-processing centres in Andhra Pradesh North region.
- Organized virtual meetings and discussions with fisheries officials and stakeholders regarding fishing vessel clusters, harbour issues, methods to reduce post harvest loss, implementation of square mesh cod ends, development of dry fish activities, Sea Turtle and Marine mammal conservation programmes, etc.
- Disseminated information and awareness messages on post-harvest loss, conservation, sustainable fishing, MPEDA social media contents, MPEDA Covid 19 guidelines, animated short films on square mesh and juvenile catch, Sea safety & Navigation, fisheries related news published in local newspapers, weather information issued by fisheries department, etc. through WhatsApp to boat owners, stakeholders association and fishermen etc. in the respective fishing harbour and fish landing centre.

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

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

State/Region	NETFISH Funded						External	Month's -Total programmes & beneficiaries		FY - Total programmes & beneficiaries	
	Harbour	FV	PPC	PC	DF	Special	Other Special				
West Bengal	3	3	1	6	3		1	17	518	29	940
Odisha		5					6	11	166	55	1366
Andhra Pradesh North	5	6			2			13	307	19	500
Andhra Pradesh South		4	2		2			8	186	9	216
TN North	4		2		2			8	225	10	400
TN South		2		3	4			9	235	12	348
Kerala South	1	9	10	2				22	442	23	492
Kerala North	4	4	2	1				11	197	20	400
Karnataka & Goa	4	14	1		4			23	528	32	825
Maharashtra	2	4		4				10	201	21	322
Gujarat	3	9	4					16	313	23	573
Month's -Total programmes & beneficiaries	26	60	22	16	17	0	7	148	3318	253	6382
	583	904	598	575	489	0	169	3318			
FY- Total programmes & beneficiaries	31	71	37	20	20	1	73	253			
	635	1061	980	726	589	125	2266	6382			

### 1. WEST BENGAL

➤ 17 extension programmes were conducted as per the details given below.

Selected Place	Harbour	FV	PPC	PC	Df	Other Special (CIFT)	Total Programme	Total Beneficiaries
Deshapran		3					3	59
Freserganj	3				1		4	112
Uttar Bakkhali					1		1	30
Kakdwip					1	1	2	79
Kolkata				4			4	148
Raidighi			1				1	30
Sankarpur				1			1	30
Digha				1			1	30
<b>Total</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>17</b>	<b>518</b>

No.	Date	Place	Type of Programme	No. of Beneficiaries
1	05.12.20	Deshapran	Vessel based programme	19
2	09.12.20	Freserganj	Harbour based programme	22
3	09.12.20	Uttar Bakkhali	Dry fish programme	30
4	10.12.20	Kakdwip	Sea Safety & Navigation- CIFT	49
5	11.12.20	M/s. Magnum Export, Kolkata	Processing	37
6	15.12.20	M/s. Milsha Agro Exports Pvt. Ltd., Kolkata	Processing	34
7	16.12.20	M/s. Shimpo Exports Pvt. Ltd., Kolkata	Processing	40

8	17.12.20	Kakdwip	Dry Fish	30
9	18.12.20	Deshapran	Vessel based programme	20
10	18.12.20	Freserganj	Harbour based programme	30
11	22.12.20	Z A Seafoods Pvt. Ltd., Kolkata	Processing	37
12	23.12.20	Baidyapara, Raidighi	PPC	30
13	24.12.20	Lakhipur, Freserganj	Dry Fish	30
14	24.12.20	Freserganj	Harbour based programme	30
15	29.12.20	M/s. Seafood Pvt. Ltd., Sankarpur	Processing	30
16	30.12.20	M/s. Jana Brothers Seafood Pvt. Ltd., Digha	Processing	30
17	31.12.20	Deshapran	Vessel based programme	20



*Fishing vessel based programme at Deshapran*



*Certificate distribution during Processing unit training*

➤ **Details of other works and activities performed during the month are briefed below.**

Sl.No:	Date	Activity	People involved	Particulars
1	01.12.20	Online meeting	CE & SCOs	Meeting regarding activities as per action plan 2020-21, comprehensive action plan 2021-22 and Discussion on Administrative and Financial matters
2	01.12.20	Online meeting	Shri. P. K. Mishra IAS, Secretary Fisheries, DD & AD MPEDA, Director of Fisheries, JDF, DDF, ADF, Chief Engineer, SCO & Exporters	Regarding issues on culture and export of Scampi
3	04.12.20	Inspection	DD MPEDA & SCO	Inspection at M/s. Subhashini Enterprise, Dry fish unit
4	05.12.20	Inspection	DD MPEDA & SCO	Inspection at M/s. Rittick Enterprise & M/s. Food products Dry fish units
5	05.12.20	Meeting	SCO & NGO	Regarding formation of FFPC in dry fish and allied sector
6	14.12.20	Online training	DD and AD, MPEDA, Secretary, SEAI, exporters, Technologists & SCO	Training programme on Covid 19 guidelines in seafood sector
7	17.12.20	Inspection	DD MPEDA & SCO	Inspection at M/s. Yogiraj Dry fish unit
8	17.12.20	Meeting	DD MPEDA, SCO & HDCs	Regarding by-catch survey and data collection
9	18.12.20	Inspection	DD MPEDA & SCO	Inspection of dry fish unit
10	18.12.20	Meeting with exporter cum	DD MPEDA, SCO, Exporters & Boat owners	Regarding post harvest loss, fishing vessel cluster, export issues, etc.

		boat owners		
11	18.12.20	Meeting	DD MPEDA, SCO & HDCs	Regarding by catch survey and data collection
12	28.12.20	Inspection	DD MPEDA & SCO	Inspection of feed meal unit at M/s. New Hope Feed Meal, Naihati.
13	31.12.20	Meeting	SCO	Regarding identification of various issues on post harvest loss and implementation of square mesh in the cluster boats.

➤ **Details of information disseminated to stakeholders on social media during the month - (7 WhatsApp groups in 7 harbours)**

<i>Sl.No:</i>	<i>Date</i>	<i>Content Disseminated</i>	<i>Social Media Used</i>	<i>No: of Viewers</i>
1	01.12.20	Conservation of Marine mammals and Wild life Protection Act, 1972	Whatsapp	500
2	01.12.20	Plastick-tock, Protect our marine environment from plastic	Whatsapp	500
3	01.12.20	NETFISH-MPEDA conducted training programmes	Whatsapp and Facebook	750
4	01.12.20	Better handling practices of ice at Shoula LC	Whatsapp	500
5	02.12.20	OH, ILL! Oil pollution in marine	Whatsapp and Facebook	750
6	03.12.20	Fish Quality Management - use of plastic basket, plastic shovels for handling of fishes.	Whatsapp	500
7	03.12.20	Protection of Marine mammal and marine turtle	Whatsapp	500
8	03.12.20	Publish report on release of marine turtle by the fishermen at Bay of Bengal	Whatsapp	500
9	04.12.20	Celebration of Indian Navy Day	Whatsapp and Facebook	1000
10	06.12.20	Virtual class to the fishers on abuse of bamboo basket for handling of fish under Reduce Post Harvest Loss (Bengali)	Whatsapp	500
11	06.12.20	Handling of fish with adequate ice in plastic crates to avoid Post Harvest Loss	Whatsapp	500
12	06.12.20	What is Post Harvest Loss? How to avoid it?	Whatsapp	500
13	08.12.20	Fighting illegal, unreported and unregulated fishing	Whatsapp	500
14	09.12.20	Japan completely lifts inspection of Black Tiger Shrimps from India	Whatsapp and Facebook	1000
15	11.12.20	Training programme Sea Safety & Navigation at Kakdwip, South 24 Parganas	Whatsapp	500
16	11.12.20	Practice of use adequate ice and proper handling of fishes to reduce Post Harvest Loss at Shoula LC	Whatsapp	500
17	13.12.20	Hygienic drying practices at Kakdwip	Whatsapp	500
18	15.12.20	Processing workers training programme on COVID -19 guidelines, Hygiene & sanitation and Processing techniques at M/s. Milsha Agro Pvt. Ltd. for processing workers, Purchase manager, Technologist, Supervisor etc.	Whatsapp and Facebook	1000
19	17.12.20	To America Sustainable Seafood! From India	Whatsapp and Facebook	1000
20	18.12.20	Training programme on Fishing Vessel based Post Harvest Loss at Deshapran FH	Whatsapp	500
21	20.12.20	Posters on conserve juvenile fishes and washing of	Whatsapp	500

		boat before and after catch		
22	22.12.20	Published video of release of live marine turtle (Olive Ridley) into the sea by the fishers of Kakdwip	Whatsapp and Facebook	1000
23	23.12.20	Processing workers training programme on COVID -19 guidelines, Hygiene & sanitation and Processing techniques at M/s. Z A Seafoods Pvt. Ltd for processing workers, Purchase manager, Technologist, Supervisor etc.	Whatsapp	500
24	24.12.20	Photographs and note on Marine Turtles available in Indian waters and its importance in biodiversity.	Whatsapp	500
25	27.12.20	Published video of release of live marine turtle (Olive Ridley) into the Bay of Bengal by the fishers of Raidighi	Whatsapp	500
26	29.12.20	Impact of practicing "Chill Kill" to reduce Post Harvest Loss in fishes	Whatsapp	500
27	30.12.20	Processing workers training programme on COVID -19 guidelines, Hygiene & sanitation and Processing techniques at M/s. Jana Brother Seafood Pvt. Ltd for processing workers, Purchase manager, Technologist, Supervisor etc.	Whatsapp	500

***Innovative/sustainable fishing practice observed:*** Fishers are releasing Sea Turtles caught accidentally during fishing. Video footages of releasing of Olive Ridley from different locations of Bay of Bengal were received during the period.

## 2. ODISHA

➤ **11 awareness programmes were conducted as per the details given below.**

Selected Place	FV	Other Special (PPT)	Total Programme	Total Beneficiaries
Paradeep	5	6	11	166
<b>Total</b>	<b>5</b>	<b>6</b>	<b>11</b>	<b>166</b>

No.	Date	Place	Type of Programme	No. of Beneficiaries
1	8.12.20	Paradeep	Vessel based programme-PPT	15
2	9.12.20	Paradeep	Vessel based programme-PPT	15
3	11.12.20	Paradeep	Vessel based programme-PPT	15
4	12.12.20	Paradeep	Vessel based programme-PPT	15
5	12.12.20	Rams Assorted Cold Storage, Paradeep	Processing-PPT	30
6	12.11.20	Falcon Marine Export, Paradeep	Processing-PPT	30
7	23.12.20	Paradeep	Vessel based programme	8
8	25.12.20	Paradeep	Vessel based programme	10
9	26.12.20	Paradeep	Vessel based programme	10
10	27.12.20	Paradeep	Vessel based programme	10
11	28.12.20	Paradeep	Vessel based programme	8



*Vessel based programme at Paradeep*



*Processing training programme at Paradeep*

➤ **Details of other works and activities performed during the month are briefed below.**

<i>Sl.No:</i>	<i>Date</i>	<i>Activity</i>	<i>People involved</i>	<i>Particulars</i>
1	18.12.20	Visit to Paradeep Port Trust	SCO	New Project proposal seeking CSR fund and the UC of the project sanctioned for the year 2019-20 were submitted to the Paradeep Port Trust

➤ **Details of information disseminated to stakeholders on social media during the month - (7 WhatsApp groups in 5 harbours)**

<i>Sl.No:</i>	<i>Date</i>	<i>Content Disseminated</i>	<i>Social Media Used</i>	<i>No: of Viewers</i>
1	2.12.20	Covid -19 awareness message	Whats app group	500
2	6.12.20	Covid -19 awareness message and animation film on square mesh	whats app group	500
3	10.12.20	Covid -19 awareness message and animation film on conservation of marine resources.	Whats app group	500
4	14.11.20	Covid -19 awareness message	Whatsapp group	500
5	16.12.20	Covid -19 awareness message and animation film on square mesh	Whatsapp group	500
6	18.12.20	Covid -19 awareness message and animation film on square mesh	Whatsapp group	500
7	20.11.20	Covid -19 awareness message	Whatsapp group	500
8	23.11.20	Covid -19 awareness message and animation film on square mesh	Whatsapp group	500
9	24.12.20	Covid -19 awareness message	Whatsapp group	500
10	25.12.20	Covid -19 awareness message and animation film on square mesh	Whatsapp group	500
11	26.12.20	Covid -19 awareness message and animation film on square mesh	Whatsapp group	500
12	27.12.20	Covid -19 awareness message	Whatsapp group	500
13	28.12.20	Covid -19 awareness message and animation film on square mesh	Whatsapp group	500
14	29.12.20	Covid -19 awareness message and animation film on square mesh	Whatsapp group	500
15	30.12.20	Covid -19 awareness message	Whatsapp group	500
16	31.12.20	Covid -19 awareness message and animation film on square mesh	Whatsapp group	500

### 3. ANDHRA PRADESH NORTH

➤ **13 nos. of extension programmes were conducted as per the details given below.**

<i>Selected Place</i>	<i>Harbour</i>	<i>Vessel</i>	<i>Df</i>	<i>Total Programme</i>	<i>Total Beneficiaries</i>
Visakhapatnam	5	6	2	13	307
<b>Total</b>	<b>5</b>	<b>6</b>	<b>2</b>	<b>13</b>	<b>307</b>

<i>No.</i>	<i>Date</i>	<i>Place</i>	<i>Type of Programme</i>	<i>No.of Beneficiaries</i>
1	03.12.20	Vizag	Harbour based programme	28
2	04.12.20	Vizag	Vessel based programme	30
3	09.12.20	Vizag	Harbour based programme	30
4	15.12.20	Vizag	Vessel based programme	20
5	17.12.20	Vizag	Vessel based programme	23
6	18.12.20	Vizag	Harbour based programme	28
7	21.12.20	Vizag	Harbour based programme	25
8	22.12.20	Vizag	Vessel based programme	12
9	23.12.20	Vizag	Dry fish programme	30
10	26.12.20	Vizag	Dry fish programme	30

11	28.12.20	Vizag	Harbour based programme	20
12	29.12.20	Vizag	Vessel based programme	15
13	30.12.20	Vizag	Vessel based programme	16



**Dry fish programme at Mangamaripeta**



**Fishing Vessel based programme at Vizag**

➤ **Details of other works and activities performed during the month are briefed below.**

Sl.No:	Date	Activity	People involved	Particulars
1	10.12.20	Survey	SCO	Conducted unauthorized pre-processing centre survey
2	11.12.20	Survey	SCO	Conducted unauthorized pre-processing centre survey
3	16.12.20	Discussion	JD & DD Fisheries and SCO	Regarding final document prepared for the Vizag fishing harbour subcommittee.
4	24.12.20	Meeting	SCO & NGO	Regarding harbour subcommittee roles and responsibilities
5	28.12.20	Arrangement for Chairman Visit	AD MPEDA & SCO	Coordinated with AD, MPEDA, Vizag in connection with the visit of Chairman to Visakhapatnam
6	29.12.20	Re launch function of RGCA BMC	SCO	Coordinated with AD, SRD, MPEDA and RGCA Vizag on Re launch function of RGCA BMC of L.vannamei brood stock and meeting with hatchery owners and visit of BMC RGCA by Chairman and Director MPEDA

➤ **Details of information disseminated to stakeholders on social media during the month - (4 WhatsApp groups in 4 harbours)**

Sl.No:	Date	Content Disseminated	Social Media Used	No: of Viewers
1	02.12.2020	Disseminated information on Hygienic handling of ice by ice factories of Vizag fishing harbour by converting from floor crusher to conveyor crusher. Paper news on Motorized boat owners protesting against use of Ring nets for fishing as it is not sustainable fishing practice and given representation to Department of Fisheries Visakhapatnam to bring ban on Ring net fishing operations across the state. Oil pollution is harming the ocean- in Telugu	WhatsApp	300
4	03.12.2020	Circulated the BECIL advertisement for FOTs	WhatsApp	300
5	04.12.2020	Video on releasing sea turtle caught in net by fishermen MPEDA poster on protect seafood from microbial	WhatsApp	300



		contamination by maintaining at 4° C.		
6	05.12.2020	Shared the pictures of China building an armada of fish farm Vessel	WhatsApp	300
7	06.12.2020	Shared the pictures of an excellent work of art with a very serious meaning of Plastic pollution in sea	WhatsApp	300
8	07.12.2020	MPEDA poster on 'Check weather conditions before going to fishing'	WhatsApp	300
9	08.12.2020	Poster on Ghost nets in sea and its effects on fishery resources in Telugu. Circulated the news on saving whale in Kerala coast by fishermen.	WhatsApp	300
10	09.12.2020	Circulated the NETFISH Posters on cleaning boat and use of enough ice	WhatsApp	300
11	11.12.2020	Pictures of use of enough ice while packing for maintaining the quality of fish	WhatsApp	300
12	12.12.2020	News of fishermen protesting against use of Ring net operations at Vodarevu FLC. MPEDA poster on Say no to over fishing in Telugu.	WhatsApp	300
13	14.12.2020	Poster on Turtle Excluder Devise in trawl fishing boats in Telugu. Circulated the animated video on save India seafood quality	WhatsApp	300
14	16.12.2020	Circulated the video on under water observation of Square mesh cod end in Trawl fishing boat	WhatsApp	300
15	19.12.2020	Circulated in Telugu the news on MPEDA broadcasting the Value Indian seafood quality and for preference in BBC Channel	WhatsApp	300
16	20.12.2020	Circulated the hygienic and care in handling of Tuna fish for better value and price. News on Mobile fish out lets in Telangana state reaching good quality fish to door steps.	WhatsApp	300
17	21.12.2020	Circulated in Telugu the Floating sea bin simple technology to collect polluted plastic in sea. Message on use of Fire protection equipment in fishing vessels and its price in market.	WhatsApp	300
18	22.12.2020	Photos of Bycatch survey by HDCs in North Andhra	WhatsApp	300
19	22.12.2020	MPEDA message on technical support to become a seafood entrepreneur in Telugu	WhatsApp	300
20	24.12.2020	Circulated the picture on save sea conditions and Coral reefs for sustainable fisheries in Telugu	WhatsApp	300
21	24.12.2020	Picture of use of screw type conveyor crusher for hygienic handling of Ice	WhatsApp	300
22	28.12.2020	Video on Fishermen releasing a Whale shark which was entangled in net.	WhatsApp	300
23	30.12.2020	RGCA brochure MBC and on sale of one plus one offer buy one and get one short term scheme on BMC L. vannamei Brooders	WhatsApp	300

24	31.12.2020	News on fishermen protesting against Ring net operations in North Andhra coast and Dept. of Fisheries action taken on ban on use of Ring nets for fishing	WhatsApp	300
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### **NETFISH IMPACTS**

- ▶▶ Due to continuous awareness created by NETFISH on hygiene and sanitation in fishing harbours, the Greater Visakhapatnam Municipal Corporation (GVMC) had arranged 13 Nos of big waste collection bins in the harbour and instructed the ward Sanitary Inspector to collect waste on regular basis. Even the fishing harbour is not coming under GVMC limits as it is a port land (VPT), apart from the Port sanitary staff now GVMC is also working in fishing harbour.
- ▶▶ As a result of NETFISH continuous awareness programmes, the fish traders of Visakhapatnam fishing harbour are now using PVC shovels for handling the fish and also using good quality ice and insulated fish boxes for packing and transportation.



***Innovative/sustainable fishing practice observed during the month:*** It is noticed that a large quantity of juvenile fish landed due to the operation of ring nets in Andhra Pradesh coast, the gill net and hook and line boat owners gave a representation to the Dept of Fisheries which resulted in ban on all ring net operations in the state. This occurs as a result of NETFISH regular awareness on save juveniles fish.

#### **4. ANDHRA PRADESH SOUTH**

- **8 numbers of extension programmes were conducted during the month as per the details given below.**

<i>Selected Place</i>	<i>Vessel</i>	<i>PPC</i>	<i>Df</i>	<i>Total Programme</i>	<i>Total Beneficiaries</i>
Nizampatnam	4	1		5	96
Vodarevu			2	2	60
Machilipatnam		1		1	30
<b>Total</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>186</b>

<i>No.</i>	<i>Date</i>	<i>Place</i>	<i>Type of Programme</i>	<i>No. of Beneficiaries</i>
1	02.12.20	Nizampatnam	<i>Vessel based programme</i>	18
2	07.12.20	Vodarevu	<i>Dry fish programme</i>	30
3	10.12.20	Nizampatnam	<i>Vessel based programme</i>	16
4	16.12.20	Nizampatnam	<i>Pre processing</i>	30
5	18.12.20	Machilipatnam	<i>Pre processing</i>	30
6	21.12.20	Nizampatnam	<i>Vessel based programme</i>	16
7	22.12.20	Vodarevu	<i>Dry fish programme</i>	30
8	23.12.20	Nizampatnam	<i>Vessel based programme</i>	16



**Vessel based programme at Nizampatnam**



**PPC programme at Nizampatnam**

➤ **Details of information disseminated to stakeholders on social media during the month-** (3 WhatsApp groups in 3 harbours)

<b>Date</b>	<b>Content Disseminated</b>	<b>Social Media Used</b>	<b>No: of Viewers</b>
03.11.20	NETFISH poster on Don't spoil the coasts with plastic pollutants	WhatsApp group	250
04.11.20	Ocean starts with lifebuoy- in Telugu	WhatsApp group	250
05.11.20	Save the Hawksbill Turtles- in Telugu	WhatsApp group	250
06.11.20	Poster of All Sea Turtle Species	WhatsApp group	250
06.11.20	MPEDA webinar series on Seafood market updates from Vietnam scheduled on 10.11.2020	WhatsApp group	250
07.11.20	CETACEAN identification card cards- in Telugu	WhatsApp group	250
09.11.20	Poster on Turtle Excluder Device(TED)- in Telugu	WhatsApp group	250
09.11.20	Picture of Fish on wheels (Mobile Fish nutri cart)	WhatsApp group	250
09.11.20	Video of Covid second wave awareness	WhatsApp group	250
10.11.20	Poster of Points to remember on Onboard Handling of Fish	WhatsApp group	250
10.11.20	Poster of Points to remember on Onboard Handling of Fish	WhatsApp group	250
11.11.20	Information on Dugong conservation- in Telugu	WhatsApp group	250
13.11.20	Poster on save live stranding turtles at beaches	WhatsApp group	250
16.11.20	NETFISH Poster in Telugu on store fish with 1kg fish with 1kg ice	WhatsApp group	250
16.11.20	Forward the Utilize the PMSSY Schemes of Dept of AP Fisheries message in Telugu	WhatsApp group	250
18.11.20	Dispose your masks responsibly otherwise it will end up oceans in Telugu	WhatsApp group	250
19.11.20	Photo of Sanitizer dispenser stand with picture of Square mesh cod end	WhatsApp group	250
20.11.20	Picture of Square mesh cod end for sustainable fishing	WhatsApp group	250
20.11.20	World Fisheries Day wishes with the theme 2020	WhatsApp group	250
23.11.20	Looks like a Zero, Actually a Hero importance life buoy in Telugu	WhatsApp group	250
23.11.20	Disadvantages of Diamond mesh cod end in Telugu with comparative pictures with Square mesh cod end	WhatsApp group	250
23.11.20	Weather forecast and cyclone news in Telugu	WhatsApp group	250
24.11.20	Poster awareness on Covid19, Social distance and use of Mask in Telugu	WhatsApp group	250
25.11.20	Poster on not to use disposable carry bags and use cloth bag in fishing harbour in Telugu	WhatsApp group	250
27.11.20	MPEDA vision to take Indian seafood exports to Rs. one lakh crore by 2030	WhatsApp group	250
29.11.20	Circulated article came in news paper on Recirculated Aqua culture system (RAS)- in Telugu	WhatsApp group	250

## 5. TAMIL NADU NORTH

➤ 8 extension programmes were conducted as per the details given below.

Selected Place	Harbour	PPC	Df	Total Programme	Total Beneficiaries
Cuddalore	4	2	2	8	225
<b>Total</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>225</b>

No.	Date	Place	Type of Programme	No. of Beneficiaries
1	17.12.20	Cuddalore	Harbour based programme	28
2	18.12.20	Cuddalore	Harbour based programme	22
3	21.12.20	Cuddalore	Harbour based programme	30
4	22.12.20	Cuddalore	Dry fish	30
5	22.12.20	Cuddalore	Dry fish	30
6	23.12.20	RPN Seafood, Cuddalore	PPC	30
7	28.12.20	Cuddalore	PPC	30
8	29.12.20	Cuddalore	Harbour based programme	25



PPC programme at Cuddalore



Harbour based programme at Cuddalore

➤ Details of other works and activities performed during the month are briefed below.

Sl.No:	Date	Activity	People involved	Particulars
1	24.12.20	Discussion	SCO & Boat owners	Regarding formation of Farmer Producer Organization
2	30.12.20	Discussion	DDM, NABARD, AD Fisheries, SCO & Boat owners	Regarding formation of Farmer Producer Organization

➤ Details of information disseminated to stakeholders on social media during the month - (37 groups in 10 harbours)

Sl.No:	Date	Content Disseminated	Social Media Used	No. of Viewers
1	1.11.20 to 30.11.20	<ul style="list-style-type: none"> <li>• Square mesh cod end</li> <li>• Sea Safety- Life Jacket</li> <li>• Boat arrival details</li> <li>• Fishing boat operation details</li> <li>• Fisheries news published in various news papers</li> <li>• Local issues (Fisheries)</li> <li>• Fish market news</li> <li>• COVID 19 news related to fisheries</li> <li>• Destructive fishing practices</li> <li>• Weather information issued by the fisheries department</li> <li>• Messages announced by the fisheries department</li> </ul>	Facebook and Whatsapp	1010

### NETFISH IMPACTS

➤ In Cuddalore, the crushed ice is now transported through conveyer system to the fish hold of mechanized fishing boats.

## 7. TAMIL NADU SOUTH

➤ 9 extension programmes were conducted as per the details given below

Selected Place	Vessel	PC	Dry fish	Total Programme	Total Beneficiaries
Colachel			2	2	47
Tuticorin		3		3	105
Kanyakumari			2	2	48
Thengapattinam	2			2	35
<b>Total</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>9</b>	<b>235</b>

No.	Date	Place	Type of Programme	No. of Beneficiaries
1	14.12.20	Colachel	Dry fish	16
2	14.12.20	Colachel	Dry fish	31
3	16.12.20	M/s Kadher Investment and Trading Company, Tuticorin	Processing	35
4	17.12.20	M/s.V V Marine products, Tuticorin	Processing	35
5	23.12.20	M/s.Theva & Co., Tuticorin	Processing	35
6	28.12.20	Kanyakumari	Dry fish	24
7	28.12.20	Kanyakumari	Dry fish	24
8	29.12.20	Thengapattinam	Vessel based programme	15
9	29.12.20	Thengapattinam	Vessel based programme	20



**Practical session during the Processing Training at Tuticorin**



**Training on dryfish handling at Kanyakumari**

➤ Other works and activities performed during the month are briefed below.

Sl.No:	Date	Activity	People involved	Particulars
1	01.12.20	Online meeting	CE & SCO	Regarding status of extension programmes as per the action plan 2020-21
2	10.12.20	Discussion	SCO & CRS Derose, NGO	Regarding NETFISH training programmes
3	14.12.20	Discussion	AD Fisheries, SCO & NGOs	Regarding Vessel Log Sheet Implementation
4	15.12.20	Discussion	Mr. Kasinatha Pandian, DDF & SCO	Regarding Vessel Log Sheet Implementation in Colachel
5	15.12.20	Discussion	SCO & NGOs	District level expert appraisal committee meeting of FFMA at O/o DDF, Nagercoil
6	20.12.20	Discussion	SCO & MOS Fishermen Union, Nagercoil	Regarding formation of FPO
7	21.12.20	Online meeting	SCO & HDCs	Regarding Marine mammal & Sea turtle By catch Survey
8	29.10.20	Meeting	AD, MPEDA, SCO, Exporter	Exporter /Fishermen meeting with

			and Fishermen	AD, MPEDA
9	31.12.20	Field visit	SCO	Documentation of Good Fishing practices by Traditional fishing boats using Hook and Line

➤ **Details of information disseminated to stakeholders on social media during the month - (9 WhatsApp groups in 9 harbours)**

Sl.No:	Date	Content Disseminated	Social Media Used	No: of Viewers (Approx)
1	01.12.20	Let protect our ocean from plastic waste (MPEDA poster), MPEDA Objectives	Whatsapp	380
2	02.12.20	Weather warning	Whatsapp	348
3	03.12.20	Cyclone news and weather warning	Whatsapp	624
4	04.12.20	Tropical depression Burevi & Indian Navy Day	Whatsapp	189
5	06.12.20	Wind alert Burevi	Whatsapp	55
6	07.12.20	Wind alert Burevi	Whatsapp	88
7	08.12.20	Token issuing time	Whatsapp	55
8	09.12.20	Plastic in sea awareness-video	Whatsapp	357
9	18.12.20	Say no to over fishing save oceans (MPEDA posters)	Whatsapp	98
10	20.12.20	Wind alert Burevi	Whatsapp	29
11	21.12.20	Floating sea bin catching plastic, Always carry fire, extinguisher in boat(MPEDA Poster)	Whatsapp	356
12	22.12.20	Fish photos with local name & Wind alert Burevi	Whatsapp	178
13	23.12.20	Ready to become a seafood entrepreneur (MPEDA Poster)	Whatsapp	172
14	24.12.20	Ready to become a seafood entrepreneur (MPEDA Poster)& Token issuing time	Whatsapp	178
15	26.12.20	Tsunami Memorial tribute	Whatsapp	165
16	28.12.20	Fishermen demands in Thengapattinam fishing harbour( meenavar orunginaipu sangam)	Whatsapp	98
17	30.12.20	A colourful world of marine life	Whatsapp	98

### **NETFISH IMPACTS**

- ▶ The fishermen of Thengapattinam boat cluster have been linked to the exporters purchasing Tuna and other Deep Sea fishes from the region. The exporters have suggested their requirement of quality of fishes and the Fishermen of NETFISH Cluster have assured to bring the fishes as required by the exporters to fetch better price.

***Innovative/sustainable fishing practice observed during the month:*** Hook and line fishing method is practiced by the traditional boat owners at Arokyapuram, Kanyakumari, Manakkudy and Pallam in Kanyakumari District. The boats operated are having a length of 45 ft with 9hp OB engines. There are about 80 boats involved in such fishing in these regions. The crew size is 5-7 fishermen/boat. They fish 20-30 nautical miles away from the shore. They fish mainly seer fishes (2-25 kgs) which fetch between 500 to 800 per kg and Emperor fishes (150 to 650 gms) which fetch between 350 to 600 per kg. They venture for fishing during 3.00 PM and return back by 6-9 AM the next day. The baits used are Sardines, Cuttle Fish and Murrel fish. They take ice boxes for fishing. They fish for about 6 hours in the sea.

### 8. KERALA SOUTH

➤ 22 Extension programmes were conducted as per the details given below.

Selected Place	Harbour	Vessel	PPC	PC	Total Programme	Total Beneficiaries
Ezhupunna			10		10	258
Thoppumpady	1	9			10	100
Aroor				1	1	44
Munambam				1	1	40
<b>Total</b>	<b>1</b>	<b>9</b>	<b>10</b>	<b>2</b>	<b>22</b>	<b>442</b>

No.	Date	Place	Type of Programme	No.of Beneficiaries
1	04.12.20	Ezhupunna	PPC	33
2	07.12.20	Ezhupunna	PPC	20
3	07.12.20	Ezhupunna	PPC	26
4	08.12.20	Ezhupunna	PPC	42
5	08.12.20	Ezhupunna	PPC	27
6	09.12.20	Ezhupunna	PPC	23
7	09.12.20	Ezhupunna	PPC	21
8	10.12.20	Ezhupunna	PPC	23
9	10.12.20	Ezhupunna	PPC	26
10	11.12.20	Ezhupunna	PPC	17
11	15.12.20	Thoppumpady	Vessel based programme	11
12	17.12.20	Thoppumpady	Vessel based programme	9
13	17.12.20	Thoppumpady	Vessel based programme	10
14	18.12.20	Thoppumpady	Vessel based programme	8
15	21.12.20	Thoppumpady	Vessel based programme	11
16	21.12.20	Thoppumpady	Harbour based programme	9
17	21.12.20	Thoppumpady	Vessel based programme	10
18	21.12.20	Thoppumpady	Vessel based programme	9
19	22.12.20	Thoppumpady	Vessel based programme	8
20	23.12.20	Koluthara Exports Ltd, Aroor	Processing	44
21	24.12.20	Thoppumpady	Vessel based programme	15
22	29.12.20	Abad Fisheries, Munambam	Processing	40



Processing Programme at Abad fisheries, Munambam



Vessel based programme at Thoppumpady



**Condition of unorganized PPCs at Ezhupunna**

➤ **Other works and activities performed during the month are briefed below.**

Sl.No:	Date	Activity	People involved	Particulars
1	01.12.20	Online meeting	CE & SCOs	Regarding status of extension programmes as per the action plan 2020-21
2	11.12.20	Meeting	SCO & Boat owners	Regarding cluster formation
3	--	Report Submission	SCO	Collected the log sheet of Deep sea shrimp catch from Vembanadu Lake and send to FIP team

➤ **Details of information disseminated to stakeholders on social media during the month - (9 WhatsApp groups in 9 harbours)**

Sl.No	Date	Content Disseminated	Social Media Used	No. Of Viewers
1	01/12/20	Fish handling & Life buoy	WhatsApp	1366
2	02/12/20	Disposed fishing nets & Oil pollution	WhatsApp	1340
3	03/12/20	VMS	WhatsApp	1190
4	04/12/20	Do not mask the ocean, Exporters guidelines, Indian navy day	WhatsApp	1311
5	05/12/20	World soil day	WhatsApp	1284
6	07/12/20	Omega 3 fatty acids for heart health. Life jacket	WhatsApp	1288
7	09/12/20	Weather poster	WhatsApp	1253
8	10/12/20	Navigation Safety at sea News paper clip about tiger prawn International human right day poster	WhatsApp	1303
9	11/12/20	Mask or jelly fish Fisheries sector covid 19 guideline video link	WhatsApp	1271
10	12/12/20	Fish life cycle	WhatsApp	1245
11	13/12/20	Over fishing	WhatsApp	1261
12	15/12/20	Fire extinguisher Sustainable fishing Covid 19 MPEDA video	WhatsApp	1229
13	16/12/20	Over fishing Covid 19 guideline- Malayalam version	WhatsApp	1086
14	17/12/20	Escaping juvenile fish through square mesh cod end under water video Social distance poster	WhatsApp	1289
15	18/12/20	Fight the fire	WhatsApp	1295
16	19/12/20	Awareness poster on Protect sea turtle	WhatsApp	1310
17	23/12/20	Farmers day poster Help line information	WhatsApp	1246



		poster for sea food exporters		
18	25/12/20	Christmas wishes MPEDA poster	WhatsApp	1259
19	28/12/20	Aims of MPEDA	WhatsApp	1210
20	29/12/20	Whale shark releasing video Social distance message Dolphin dancing at Neendakara region - news paper report	WhatsApp	1233
21	31/12/20	PMMSY mussel culture Indian seafood Malayalam video Save our ocean Sea food exporters news reports - national news channels	WhatsApp	1094

### **NETFISH IMPACTS**

► Due to NETFISH continuous awareness programmes, the boat owner of St.Lawrence boat at Thoppumapady fishing harbour had started chill killing method after sorting and washing the catch. They prepared the chilled water in plastic crates and dipped the shrimp in the chilled water using a plastic net for about 15 to 30 Minutes. By practicing this method the boat owner got 4000-5000 rupees more for the catch in a single auction (6 boxes), which is a remarkable achievement of NETFISH training programmes. When others got only 37000-38000 rupees in single auction, the St.Lawrence Boat got Rs.40000-42000 due to the freshness and good quality of the material.

### **8. KERALA NORTH**

► **11 awareness programmes were conducted as per the details given below.**

<i>Selected Place</i>	<i>Harbour based</i>	<i>Vessel based</i>	<i>PPC</i>	<i>PC</i>	<i>Total Programme</i>	<i>Total Beneficiaries</i>
Vypeen		4		1	5	68
Edavanakkad			2		2	44
Munambam	3				3	50
Munakkakadavu	1				1	35
<b>Total</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>11</b>	<b>197</b>

<i>No.</i>	<i>Date</i>	<i>Place</i>	<i>Type of Programme</i>	<i>No.of Beneficiaries</i>
1	02.12.20	Vypin	Vessel based programme	12
2	03.12.20	Sea food agencies, Edavanakkad	PPC	17
3	03.12.20	Grace marine PPC, Edavanakkad	PPC	27
4	15.12.20	Vypeen	Vessel based programme	6
5	15.12.20	Munambam	Harbour based programme	14
6	16.12.20	Cap sea food, Vypeen	Processing programme	33
7	18.12.20	Munambam	Harbour based programme	18
8	18.12.20	Munambam	Harbour based programme	18
9	21.12.20	Vypeen	Vessel based programme	7
10	21.12.20	Vypeen	Vessel based programme	10
11	30.12.20	Munakkakadavu	Harbour based programme	35

► **Other works and activities performed during the month are briefed below.**

<i>Sl.No:</i>	<i>Date</i>	<i>Activity</i>	<i>People involved</i>	<i>Particulars</i>
1	01.12.20	Online meeting	CE & SCOs	Regarding status of extension programmes as per the action plan 2020-21
2	04.12.20	Meeting	SCO	Attended Harbour Society meeting at Munambam
3	09.12.20	Online meeting	SCO & HDC	Regarding Marine mammal data collection survey

4	17.12.20	Meeting	JD (F), President, SEAI Kerala, SCO & boat owners	Stakeholders Meeting at Munambam
5	21.12.20	Online meeting	District Collector, Kozhikode, Assistant District Manager, Kozhikkode, Officials from HED, Matsyafed, KSID & SCO	Regarding up gradation of Beypore fishing harbour
6	23.12.20	Training	SCO Kerala South & North	Processing centre training programme at M/s.Koluthara Exports, Aroor
7	29.12.20	Training	CE & SCOs Kerala South & North	Processing centre training programme at M/s.Abad Pvt.Ltd, Munamabm.

➤ **Details of information disseminated to stakeholders on social media during the month - (11 WhatsApp groups in 11 harbours)**

Sl.No:	Date	Content Disseminated	Social Media Used	No: of Viewers
1	1/12/2020	Onboard handling of fish	Whatsapp	1278
2	1/12/2020	Ocean, start with a lifebuoy	Whatsapp	1280
3	2/12/2020	Protect our Oceans from plastic wastes	Whatsapp	1273
4	2/12/2020	Ghost fishing	Whatsapp	1278
5	3/12/2020	Vessel Monitoring System	Whatsapp	1279
6	3/12/2020	Global fish production	Whatsapp	1287
7	4/12/2020	Pollution control	Whatsapp	1287
8	4/12/2020	Protect seafood from microbial infection	Whatsapp	1289
9	4/12/2020	Experts guarding our exports (Indian Navy day)	Whatsapp	1296
10	5/12/2020	Do not mask the oceans	Whatsapp	1285
11	5/12/2020	E wastes to ocean	Whatsapp	1288
12	6/12/2020	Ocean, start with a lifebuoy	Whatsapp	1280
13	6/12/2020	Vessel Monitoring System	Whatsapp	1276
14	7/12/2020	Fish has Omega 3 fatty acid (world heart day matter)	Whatsapp	1271
15	7/12/2020	Wear a life vest at all time	Whatsapp	1282
16	8/12/2020	Whether it's good to go or not	Whatsapp	1269
17	8/12/2020	5 ways to protect our Ocean	Whatsapp	1252
18	9/12/2020	Make sure to carry it( life jacket)	Whatsapp	1095
19	9/12/2020	Our solutions are in nature	Whatsapp	1106
20	10/12/2020	East or West? know that first	Whatsapp	1249
21	10/12/2020	Personal safety at sea	Whatsapp	1248
22	10/12/2020	The inspection of tiger shrimp from India has been removed by Japan	Whatsapp	1092
23	10/12/2020	International Human rights day	Whatsapp	1091
24	11/12/2020	Looks like a Zero actually a Hero	Whatsapp	1171
25	11/12/2020	Mask or jelly fish	Whatsapp	1162
26	12/12/2020	Covid 19 guidelines for seafood sector - video	Whatsapp	1018
27	12/12/2020	Stop juvenile fishing	Whatsapp	1210
28	12/12/2020	Square mesh cod end - video	Whatsapp	1215
29	13/12/20	Say not to overfishing	Whatsapp	1216
30	13/12/20	Juvenile fishing - video	Whatsapp	1208
31	14/12/20	Covid 19 guidelines for seafood sector - video	Whatsapp	1072
32	14/12/20	With great fishing comes great responsibility	Whatsapp	1082
33	15.12.2020	We don't need your mask	Whatsapp	1312
34	15.12.2020	Make sure to carry a fire extinguisher	Whatsapp	1318
35	16.12.2020	Identify fresh fish from spoiled fish	Whatsapp	1291
36	16.12.2020	Overfishing is overrated	Whatsapp	1277
37	17.12.2020	Fish like there's a tomorrow	Whatsapp	1304
38	17.12.2020	MPEDA's COVID-19 guidelines video (Malayalam )	Whatsapp	1298

39	18.12.2020	With great fishing comes great responsibility	Whatsapp	1291
40	18.12.2020	Shark always prefer an isolated existence	Whatsapp	1292
41	19.12.2020	A turtle was here- let's try our best to keep it alive	Whatsapp	1294
42	19.12.2020	Fight the fire- portable fire extinguisher	Whatsapp	1269
43	19.12.2020	Big 'turtle tsunami' in Brazil; 92,000- freshwater turtles hatch	Whatsapp	1278
44	20.12.2020	MPEDA video on Indian seafood.	Whatsapp	1286
45	21.12.2020	Importance of life jacket at sea	Whatsapp	1275
46	22.12.2020	Importance of protection of sea turtles	Whatsapp	1286
47	22.12.2020	Avoiding the usage of straws for drinking	Whatsapp	1277
48	23.12.2020	Help from MPEDA for seafood entrepreneurs	Whatsapp	1242
49	23.12.2020	MPEDA'S seafood campaign featured on BBC news	Whatsapp	1254
50	24.12.2020	Christmas Wishes	Whatsapp	1257
51	25.12.2020	Christmas Wishes	Whatsapp	1258
52	26.12.2020	Identifying fresh and decayed fish	Whatsapp	1218
53	28.12.2020	Aims of MPEDA	Whatsapp	1206
54	28.12.2020	Video regarding fish hygiene	Whatsapp	1194
55	29.12.2020	Awareness about social distancing	Whatsapp	1192
56	29.12.2020	Fisherman rescuing an endangered whale shark	Whatsapp	1182
57	30.12.2020	MPEDA'S seafood campaign featured on BBC news- Europe	Whatsapp	1132
58	30.12.2020	MPEDA'S seafood campaign featured on BBC news- Middle East	Whatsapp	1132
59	30.12.2020	MPEDA'S seafood campaign featured on BBC news- N. America	Whatsapp	1129
60	31.12.2020	Treat face masks responsibly	Whatsapp	1089
61	31.12.2020	MPEDA's COVID-19 guidelines video (Malayalam)	Whatsapp	1080

### NETFISH IMPACTS

- The fish handling practice at Munakkkadavu fishing harbour was improved. Now the fish auction is done on the raised platform.



*Before- Fish auction on floor*



*After- Fish auction on raised platform*

### 9. Karnataka & Goa

- 23 awareness programmes were conducted as briefed below.

Selected Place	Harbour based	Vessel based	PPC	Df	Total Programme	Total Beneficiaries
Gangolli	4	14			18	376
Uttara Kannada				4	4	124
Malpe			1		1	28
<b>Total</b>	<b>4</b>	<b>14</b>	<b>1</b>	<b>4</b>	<b>23</b>	<b>528</b>

No.	Date	Place	Type of Programme	No.of Beneficiaries
1	03.12.20	Gangolli	Vessel based Programme	20
2	04.12.20	Gangolli	Vessel based Programme	20
3	06.12.20	Gangolli	Vessel based Programme	20

4	07.12.20	Uttara Kannada, Kagal	Dry fish programme	36
5	07.12.20	Uttara Kannada, Vannalli	Dry fish programme	28
6	08.12.20	Gangolli	Harbour based Programme	19
7	08.12.20	Gangolli	Vessel based Programme	21
8	09.12.20	Gangolli	Harbour based Programme	21
9	09.12.20	Gangolli	Vessel based Programme	20
10	10.12.20	Gangolli	Vessel based Programme	21
11	15.12.20	Gangolli	Vessel based Programme	21
12	16.12.20	Gangolli	Harbour based Programme	25
13	16.12.20	Gangolli	Vessel based Programme	20
14	17.12.20	Malpe	Pre-processing	28
15	18.12.20	Gangolli	Vessel based Programme	22
16	21.12.20	Gangolli	Vessel based Programme	20
17	22.12.20	Gangolli	Vessel based Programme	19
18	23.12.20	Gangolli	Harbour based Programme	26
19	24.12.20	Gangolli	Vessel based Programme	18
20	25.12.20	Gangolli	Vessel based Programme	21
21	28.12.20	Gangolli	Vessel based Programme	22
22	29.12.20	Uttara Kannada, Haldipur	Dry fish programme	25
23	29.12.20	Uttara Kannada, Divgi	Dry fish programme	35



Vessel Based programme at Gangolli



Dry fish programme at Gangolli

➤ **Other works and activities performed during the month are briefed below**

Sl.No:	Date	Activity	People involved	Particulars
1	01.12.20	Online meeting	CE & SCOs	Regarding status of extension programmes as per the action plan 2020-21
2	02.12.20	Mangalore	SCO	Visit to CMFRI in connection with Marine Mammal Survey
3	09.12.20	Mangalore	SCO	Visit to Sea food processing factories (9) and Mangalore fishing harbour for the evaluation of implementation of Covid- 19 guidelines in Sea food processing plants and fishing harbours.
4	14.12.20	Honnavar & Tadri	SCO	Monitoring of HDCs in connection with Dry fish survey and Marine Mammal Survey
5	19.12.20	Malpe	SCO	Monitoring of HDCs in connection with Dry fish survey and Marine Mammal Survey, Contacted 7 fish cutting units in Udupi district for organizing Pre processing centre training programme.
6	30.12.20	Gangolli & Malpe	SCO	Visit to Gangolli and Malpe fishing harbours for the evaluation of implementation of Covid- 19 guidelines in fishing harbours.

➤ **Details of information disseminated to stakeholders on social media during the**

**month - (9 WhatsApp groups in 9 harbours)**

Sl.No:	Date	Content Disseminated	Social Media Used	No: of Viewers
1	12/2/20	National Pollution Control Day Dec 2	WhatsApp	702
2	12/4/20	Protect Seafood from Microbial Infection	WhatsApp	702
3	12/4/20	Do not mask the Oceans. #MPEDA4OceanConservation	WhatsApp	702
4	12/4/20	Indian Navy Day Dec 4	WhatsApp	702
5	12/8/20	Weather- Check the weather and water conditions before leaving shore.	WhatsApp	702
6	12/8/20	Shrimply Delicious Recipe for Sweet Chilli Shrimp Skewers.	WhatsApp	702
7	12/9/20	Japan Completely lifts inspection of black tiger shrimps from India	WhatsApp	702
8	12/10/20	International Human Rights Day Dec 10	WhatsApp	702
9	12/11/20	MPEDA's Covid 19 Guidelines for Seafood Sector.	WhatsApp	702
10	12/12/20	Say No To Over fishing.	WhatsApp	702
11	12/14/20	Make sure to carry a Fire Extinguisher of a recognised standard on board while you're out in the sea.	WhatsApp	702
12	12/15/20	Make this December more Delicious with Silver Pomfret.	WhatsApp	702
13	12/18/20	MPEDA launches multilingual call centre for aqua farmers.	WhatsApp	702
14	12/18/20	Sustainable Seafood - India Exports Frozen Shrimps, Squid, Cuttlefish and other fish to the USA every year.	WhatsApp	702
15	12/20/20	Empowering Words by Mir Mamrej Ali on MPEDA's Aquaculture farms.	WhatsApp	702
16	12/23/20	National Farmers Day in India - 23 Dec	WhatsApp	702
17	12/23/20	Ready to become a Seafood Entrepreneur?	WhatsApp	702
18	12/23/20	Floating Sea bin catches Plastic waste. -This can save marine life big time.	WhatsApp	702
19	12/24/20	Spicy Shrimp Spaghetti to make your Christmas more Christmassy!	WhatsApp	702
20	12/24/20	Santa is back to make your fish come true.	WhatsApp	702
21	12/29/20	Re-launching of SPF <i>L vannamei</i> Brood Stock produced by MPEDA-RGCA at Visakhapatnam.	WhatsApp	702

**NETFISH IMPACTS**

- ▶ Fish & Ice handling practice improved and Dumping of crushed ice on the floor stopped in Gangolli fishing harbour.

**10. MAHARASHTRA**

- ▶ Extension programmes during the month consisted of 10 awareness programmes, as per the details given below.

Selected Place	Harbour based	Vessel based	PC	Total Programme	Total Beneficiaries
Surat			2	2	68
Navsari			2	2	77
Ratnagiri	2	4		6	56
<b>Total</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>10</b>	<b>201</b>

No.	Date	Place	Type of Programme	No.of Beneficiaries
1	15.12.20	Surat, Mindhola Foods LLP	Processing training	29
2	16.12.20	Surat, West Coast Frozen Foods Pvt Ltd.	Processing training	39

3	17.12.20	Navasari, H N Indigos Pvt Ltd	Processing training	40
4	18.12.20	Navasari, Tandel's Seafood Processing Unit,	Processing training	37
5	29.12.20	Ratnagiri, Harne	Vessel based programme	13
6	29.12.20	Ratnagiri, Harne	Vessel based programme	9
7	30.12.20	Ratnagiri, Harne	Vessel based programme	6
8	30.12.20	Ratnagiri, Harne	Vessel based programme	8
9	31.12.20	Ratnagiri, Harne	Harbour based programme	8
10	31.12.20	Ratnagiri, Harne	Harbour based programme	12



**Vessel based programme at Ratnagiri**



**Processing Training at Navasari**

➤ **Other works and activities performed during the month are briefed below.**

Sl.No:	Date	Activity	People involved	Particulars
1	01.12.20	Online meeting	CE & SCOs	Regarding status of extension programmes as per the action plan 2020-21
2	30.12.20	Meeting	SCO, Director, APMC & NGO	Regarding external fund for distribution of Aid materials to fishing vessel cluster and landing centre.

➤ **Details of information disseminated to stakeholders on social media during the month - (15 WhatsApp groups in 15 harbours)**

Sl. No:	Date	Content Disseminated	Social Media Used	No: of Viewers
1	02.12.2020	Discussion on EU Seafood Market, Focusing Germany"	WhatsApp	816
2	03.12.2020	Video of Leatherback Turtle released to sea by fishermen of West Bengal.		
3	08.12.2020	Dry fish Quality Management Training Programme photos from Karnataka		
4	10.12.2020	News "Japan lifts inspection of 'Black Tiger' shrimps		
5	11.12.2020	"Covid-19 guidelines" animation video		
6	13.12.2020	Photos from Mangrol fishing harbour in which fishermen are regularly cleaning the Mangrol fishing harbour.		
7	16.12.2020	Video on "Juveniles escape from Square mesh cods without harm".		
8	19.12.2020	News "MPEDA's advertisement of Seafood on BBC".		
9	21.12.2020	Video on "Floating Sea bin" catches plastic waste		
10	22.12.2020	Video of Whale Shark released by fishermen of Murbe, Palghar		
11	24.12.2020	"Maharashtra Government Letter dated 11.05.2018 about getting financial aid to fishermen who escape		

		Turtles, Dolphins, Sharks and other endangered and rare marine animals from their fishing nets”		
12	25.12.2020	Live squid Video		
13	28.12.2020	Video of Whale Shark released by fishermen of Porbandar, Gujarat		
14	30.12.2020	Videos of “MPEDA Indian Seafood Advertisements in BBC Channels” and “Flying fish Video”		

## NETFISH IMPACTS

- Due to NETFISH continuous awareness programmes, the boat owners at Harne booked 100 numbers of 40 mm square mesh cod end nets for their regular use and the company despatched the same to the fishermen society.

## 11. GUJARAT

- During the month, 16 training programmes were conducted, as briefed below.

Selected Place	Harbour	Vessel	PPC	Total Programme	Total Beneficiaries
Veraval	3	9	2	14	255
Porbandar			2	2	58
<b>Total</b>	<b>3</b>	<b>9</b>	<b>4</b>	<b>16</b>	<b>513</b>

No.	Date	Place	Type of Programme	No. of Beneficiaries
1	07.12.20	Veraval	PPC	30
2	08.12.20	Veraval	PPC	30
3	09.12.20	Veraval	Harbour based programme	20
4	10.12.20	Veraval	Harbour based programme	20
5	15.12.20	Veraval	Vessel based programme	15
6	17.12.20	Porbandar	PPC	28
7	17.12.20	Porbandar	PPC	30
8	18.12.20	Veraval	Vessel based programme	15
9	21.12.20	Veraval	Vessel based programme	15
10	21.12.20	Veraval	Vessel based programme	15
11	22.12.20	Veraval	Harbour based programme	20
12	23.12.20	Veraval	Vessel based programme	15
13	24.12.20	Veraval	Vessel based programme	15
14	28.12.20	Veraval	Vessel based programme	15
15	29.12.20	Veraval	Vessel based programme	15
16	30.12.20	Veraval	Vessel based programme	15

- Other works and activities performed during the month are briefed below.

Sl.No:	Date	Activity	People involved	Particulars
1	01.12.20	Online meeting	CE & SCOs	Regarding status of extension programmes as per the action plan 2020-21
2	03.12.20	Discussion	SCO & Professor, College of Fisheries	Discussion regarding views on short term and long term plan for sustainable fishing
3	04.12.20	Discussion	SCO & President, Boat association, Veraval	Discussion on short term and long term planning on sustainable fishing as instructed by DD RD, Veraval
4	07.12.20	Discussion	SCO & Stakeholders	Regarding vessel log sheet implementation and conduct of fishing vessel and harbour based programme.

5	17.12.20	Discussion	AD, SRD, Porbandar and SCO	Regarding NETFISH activity at Porbandar, Marine Mammal and Sea Turtle Survey, paid training in Processing plant, etc. Also guided HDCs on Marine Mammal and Sea turtle by catch survey.
6	29.12.20	Discussion	SCO & Regional President, SEAI	Regarding conduct of Processing plant training programme



*Mr. Sagar Babu Motivaras, NETFISH-MPEDA Harbour Data Collector at Mangrol had participated in the celebration of Gujarat Whale Shark Day organized by World Wild Life –Gujarat on 13<sup>th</sup> December 2020 at Mangrol FH and briefed on Marine Mammals & Turtle.*

➤ **Details of information disseminated to stakeholders on social media during the month-** (12 WhatsApp groups in 12 harbours)

Sl.No:	Date	Content Disseminated	Social Media Used	No. of Viewers
1	01/12/20	1.Information about octopus 2.Gold fish is not closing its eye any time 3.The first ATM on sea in India at Kerala by SBI 4.Fish as a source for Protein, Calcium , Vitamin D 5.Plastick-tock , tick-tock , plastic waste may be disposed off properly 6. The mind of shrimp is in its Hand	Whatsapp	More than 1200
2	02/12/20	1.Information about Gold fish 2. Information about sea caught shrimp purchase stopped by USA because of no TED used by Boat owners. 3. Dugong, marine mammals 4. Braid whale fish 5.Box jelly fish is most poisonous live in this world	Whatsapp	More than 1200
3	03/12/20	1.Information about Oceanography	Whatsapp	More than 1200
4	04/12/20	1.Oh , ILL , Oil pollution is Harming the ocean 2.Spinner dolphin 3.There are 8 million tonnes of plastic waste dumping in to Sea by Human being in this world 4.Information about star fish 5.Do not mask the Ocean 6.The fish is the one of the healthiest food on the planet 7.4th December is the National Navy Day 8. Class on MM&T by HDCs for boat owners at Vanakbara 9.Photo of hygienic handling of fish and Ice at Veraval FH shared in a group to reduce post harvest loss 10.Fried Ribbon fish	Whatsapp	More than 1200



<u>5</u>	05/12/20	<ol style="list-style-type: none"> <li>1. Spp. of Gourami group may jump from water and may walk some times without water</li> <li>2. Information about Dolphin</li> <li>3. Information about humpback whale</li> <li>4. Sandy clay slimy clay loam or clay loam soil, 5<sup>th</sup> December- World Soil Day</li> <li>5. Make your habit (Wash hand , Use mask and keep social distance)</li> <li>6. Jellyfish body contains 95% of water</li> </ol>	Whatsapp	More than 1200
<u>6</u>	06/12/20	<ol style="list-style-type: none"> <li>1. Information about great barrier reef at Australian beach</li> <li>2. Information about lobster</li> <li>3. Consumption of fish may Increase IQ level</li> <li>4. Puffer fish is poisonous fish</li> <li>5. Blue parrotfish</li> </ol>	Whatsapp	More than 1200
<u>7</u>	07/12/20	<ol style="list-style-type: none"> <li>1. Information about mangroves</li> <li>2. Marine GPS + Fish finder</li> <li>3. One Whale fish eats 3 tons food in a day</li> <li>4. Video of Shrimply delicious</li> </ol>	Whatsapp	More than 1200
<u>8</u>	08/12/20	<ol style="list-style-type: none"> <li>1. The most big whale fish of world having 60feet length, 25tons weight and 4000 teeth</li> <li>2. Because of what Ocean environment get spoiled</li> <li>3. MPEDA Participating in E-Seafood shows Tokiyo of 22<sup>nd</sup> Japan International Seafood &amp; Technology Expo. 2020</li> <li>4. Fish drying technology</li> </ol>	Whatsapp	More than 1200
<u>9</u>	09/12/20	<ol style="list-style-type: none"> <li>1. Information about fish production and it's consumption</li> <li>2. Information about Pearl Oyster</li> <li>3. Information of Transparent fish</li> <li>4. Shark fish is on this earth (Ocean) since more than 40 crore years</li> </ol>	Whatsapp	More than 1200
<u>10</u>	10/12/20	<ol style="list-style-type: none"> <li>1. Prasant Ocean and Hind ocean is touching each other but never mix up each other</li> <li>2. Which fish contains more mercury?</li> <li>3. The main character of Covid-19</li> <li>4. Information about Zooplankton</li> <li>5. The Mariana Trench is the most deepest part of Ocean (35797 feet)</li> <li>6. The deference between Spanish Mackerel and King Mackerel</li> </ol>	Whatsapp	More than 1200
<u>11</u>	11/12/20	<ol style="list-style-type: none"> <li>1. Information about Barramundi fish</li> <li>2. Information about Ilisha fish</li> </ol>	Whatsapp	More than 1200
<u>12</u>	12/12/20	<ol style="list-style-type: none"> <li>1. Information about Dolphin fish</li> <li>2. Stop dumping plastic into Ocean</li> <li>3. Life cycle of shrimps</li> <li>4. Culther of fishes</li> <li>5. Information about shrimps</li> <li>6. Information about rock lobster</li> </ol>	Whatsapp	More than 1200
<u>13</u>	13/12/20	<ol style="list-style-type: none"> <li>1. There are 100000 MM&amp;T and 1 million of sea bird losing their life because of plastic pollution</li> <li>2. Information about giant hammer head shark</li> </ol>	Whatsapp	More than 1200
<u>14</u>	14/12/20	<ol style="list-style-type: none"> <li>1. Information of gills &amp; lungs of Fishes , Spotted Head fishes</li> <li>3. Reciepe of Prawn Masala (Kerala)</li> <li>4. Sea Weed culture information</li> <li>5. What is sustainable fishing ?</li> <li>6. Golden anchovy</li> </ol>	Whatsapp	More than 1200

<u>15</u>	15/12/20	1.Silver Bar Fish 2.Information about African fish 3.Herry fish staying at bottom of Ocean 4.Fishing through Eco sounder and Radar 5.Make December more delicious through Silver Pomfret 6.It is illegal to handle fish with open hand in Kansas State of America	Whatsapp	More than 1200
<u>16</u>	16/12/20	1.Fire safety equipment 2.Spp. of Oscar 3.Information about blue whale shark , Jelly fish and star fish 4.video of The Hunt –Flying fish picked off from sea and air	Whatsapp	More than 1200
<u>17</u>	17/12/20	1.Information about emperor , Whale shark and fish how it is living in water 2.Information about frilled shark	Whatsapp	More than 1200
<u>18</u>	18/12/20	1.Information about whale shark & its teeth 2.Information about Guitar Fish, Sea star etc 3.Sailfish can swim fast then other fish	Whatsapp	More than 1200
<u>19</u>	19/12/20	1.Types of Mud crab 2.Golden snapper fish 3.Ghogha (Snail fish) 4.MPEDA , BBC news broad casting information circulated	Whatsapp	More than 1200
<u>20</u>	20/12/20	1.Information about Indian Thread fin , trevally , dolphin , sea horse , lobster 2.MPEDA , BBC news broadcasting 3.Preparation of squid Khorma	Whatsapp	More than 1200
<u>21</u>	21/12/20	1.Tigertooth croaker ,crab , Red snapper 2.available protein in selfish 3.the biggest egg of shark fish 4.The dolphin fish can listen inside water from 24km distance 5.video of release of turtle by fishermen of Mangrol 6. Impact of clean prog. At veraval	Whatsapp	More than 1200
<u>22</u>	22/12/20	1.Information of fish export data published by MPEDA during 19-20 2.china is making fish farm inside vessel 3. eel fish can give electric shock 4.Whale shark released by fishermen of Mangrol (Video)	Whatsapp	More than 1200
<u>23</u>	23/12/20	1.The benefit of fish oil 2.Malabar trevally 3. fish culture in freshwater	Whatsapp	More than 1200
<u>24</u>	24/12/20	1.50% formation of oxygen from Ocean of the earth 2.Information about parrot fish , porpoise , fish is healthy food etc 3.Vidoe of sea turtle 5.photos of sea turtle 6. Photos of hygienic ice handling at Veraval due to NETFISH prog.	Whatsapp	More than 1200
<u>25</u>	25/12/20	1. Outcome photos, after conducting FVB prog. 2.Indian mullet 3.Video of Ribbonfish , squid 4.Information about Jelly fish	Whatsapp	More than 1200
<u>26</u>	26/12/20	1.Information about dolphin , Malabar reef cod , sea turtle etc	Whatsapp	More than 1200

<u>27</u>	27/12/20	1.Information about Turtle , finless porpoise etc	Whatsapp	More than 1200
<u>28</u>	28/12/20	1.preparation of Methi Prawn 2.Information about shark , shark eyes , flying fish etc 3.Video of squid	Whatsapp	More than 1200
<u>29</u>	29/12/20	1.Video of whale shark released by Porbandar fishermen 2.Vidoe of Sea turtle released by Mangrol fishermen 3. Character of arthropods 4.African sea cow 5.Video of Kotada fishermen released turtle	Whatsapp	More than 1100
<u>30</u>	30/12/20	1.Commerson Anchovy 2.vidoe of fishermen of Okha releasing sea turtle 3. Plastic waste will be more then fish in ocean up to 2050. 4.Information of about Mackerels	Whatsapp	More than 1200

### **NETFISH IMPACTS**

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



*Fishermen cleaning fishing vessel*



*Before & after view of Handling of Ice at Veraval*



*Use of Sufficient quantity of ice to reduce post harvest loss*



*Clean crates and boxes are used to handle fish at Veraval FH*

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



- ▶ As a result of NETFISH awareness programmes, the unauthorized pre-processing centre workers at Veraval are now started using aprons provided by NETFISH while at work.



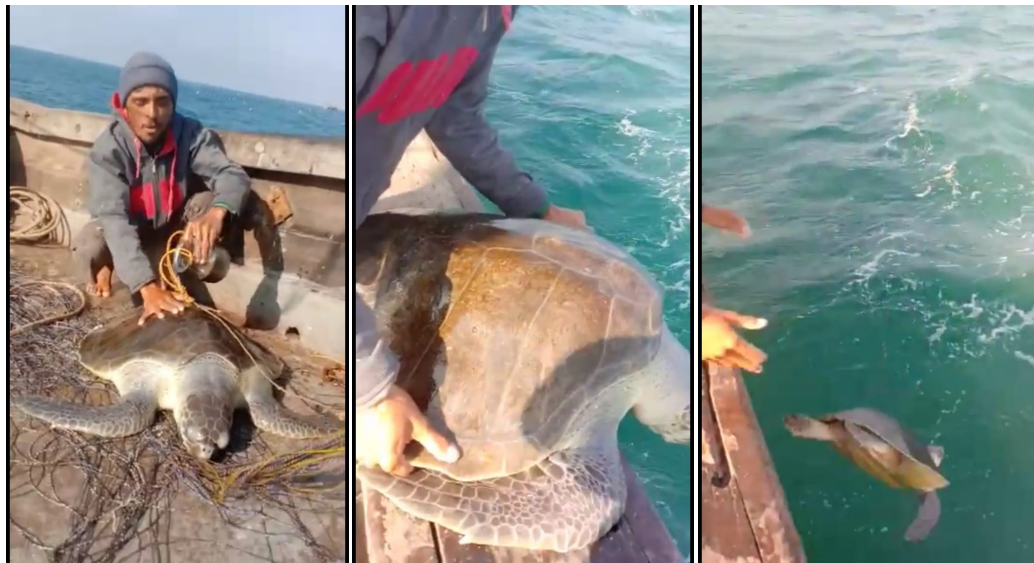
*Before Training programme*

*After training programme*

***Innovative/sustainable fishing practice observed during the month:*** NETFISH Gujarat had given training to HDCs and further HDCs have trained the fishermen about Marine mammals and sea turtles, and now the fishermen are releasing whale shark and sea turtle which are accidentally caught in their net during fishing.



*Whale shark released by Fishers of Mangrol & Porbandar*



*Sea Turtle released by Okha Fishermen*



*Sea Turtle released by Kotada Fishermen*



*Sea Turtle released by Mangrol Fishermen*

- ▶ As a result of continues effort by NETFISH to stop juvenile fishing, Department of fisheries restricted the trawl fishing within 5 nautical miles from shore, and if violated, the license

will be suspended. Recently Dept. of fisheries, Porbandar took action against four boat owners of Mangrol for fishing within 5 nautical miles.

નાણાબંધી એકાઉન્ટની આગેવાનીમાં જાહેરાતના દરેક ભાગને વિવેચનમાં મેળવેલાં છે. તેનું નકસાન થવાનું છે તેનું જણાવ્યું હતું. જાહેર કરવામાં આવેલાં છે. તેનું નકસાન થવાનું છે તેનું જણાવ્યું હતું. પંચકના વિવેચનમાં મેળવેલાં છે. તેનું નકસાન થવાનું છે તેનું જણાવ્યું હતું.

## સાંદેશ

### ૫ નોટિકલ માર્ઝલમા મોટી ફિશિંગ બોટોને માછીમારીની મનાઈ છતાં પોરબંદરના દરિયામાં ગેરકાયદે ફિશિંગ કરતી ચાર બોટ ઝડપાઈ

માંગરોળની ચાર બોટ સામે કાર્યવાહી હાથ ધરી

! પોરબંદર !

દરિયામાં પાંચ નોટિકલ માર્ઝલ સુધીના એરિયામાં મોટી ફિશિંગ બોટોને માછીમારી કરવાની મનાઈ હોવા છતાં માછીમારી કરી રહેલી માંગરોળની ચાર ફિશિંગ બોટો ને પોરબંદર એસએલએલે ઝડપી લઈ ચારેય સામે કાયદેસર ની કાર્યવાહી હાથ ધરી છે.

પોરબંદર નજીકના દરિયામાં દરિયાઈ સુરક્ષા માટે બોટ પેટ્રોલીંગ શરૂ કરાયું હતું. દરમિયાન પોરબંદરથી ૩.૫ નોટિકલ માર્ઝલ દુર અરબી સમુદ્રમાં ગેરકાયદેસર ક્ષીરીંગ કરી રહેલ માંગરોળની ચાર મોટી ટ્રોલર બોટો જેમાં અનીલભાઈ શામજીભાઈ ખોરાવાની માલીકીની માનુઆલીષ બોટ, પ્રેમજીભાઈ રણછોડભાઈ લોહરની વેરાવળી કૃપા બોટ, મત્સ્યગંધા એમ.એલ.ની માલિકી ની મત્સ્યગંધા બોટ તથા જયભેન આબુભાઈ બાહેવાની

માલીકીની વૃષભી બોટને ઝડપી લઈ કાયદેસરની કાર્યવાહી હાથ ધરેલ છે. દરિયા માં ૧ થી ૫ નોટિકલ માર્ઝલ સુધી નાના પીલાણાને ફિશિંગ કરવાની છૂટ હોય છે. જ્યારે ૫ થી ૧૨ નોટિકલ માર્ઝલ સુધીના વિસ્તારમાં મોટી ટ્રોલર ફિશિંગ બોટો ને ફિશિંગ કરવાની છૂટ હોય છે તેમ છતાં આ ચારેયબોટો નજીક ના દરિયામાં ફિશિંગ કરતી હતી. આથી તેની સામે કાર્યવાહી કરવામાં આવી છે અને આ ચારેય બોટો માંગરોળની હોવાથી ત્યાના ફિશરીઝ વિભાગને તેના ડોક્યુમેન્ટ કાર્યવાહી અર્થે સોંપવામાં આવ્યા છે. જ્યાં તેનું રજીસ્ટ્રેશન સ્થગિત કરવાની કાર્યવાહી કરવામાં આવશે.

*News report*

