



F. No. 35-4/2017 Fy. I (HQs)

त्वरित डाक  
SPEED POST

Date: 20.07.2018

To,

1. The Joint Secretary (Fy.) Ministry of Agriculture and Farmers' Welfare Deptt. of Animal Husbandry, Dairying & Fisheries, Krishi Bhavan, New Delhi - 110 001. Phone: 011 23381994 (Kind attn: Dr. P. Paul Pandian, FDC)	7. The Director, CIFE, 7 Bunglows, Versoa, Mumbai - 400 061. Phone: 022 26361446/47, Fax: 022 26361573
2. The Director Central Marine Fisheries Research Institute, P. B. 1603, Ernakulam North, Kochi- 682018, Phone: 0484 2394357/12, Fax: 0484 2394909	8. The Director National Institute of Oceanography, Goa, Phone: 0832 2450450, Fax: 0832 2450602/3
3. The Director Indian National Centre for Ocean Information Services (INCOIS), "Ocean Valley", Pragati Nagar (BO), Nizampet (SO), Hyderabad - 500 090. Phone: 040 23895000, 23895002, Fax: 23892910	9. The Director General, DG Shipping Jahaz Bhavan, W.H. Marg, Mumbai - 400 038. Phone: 022 25752005, 25752007
4. The Director CMLRE, 6 <sup>th</sup> Floor, C-Block, Kendriya Bhavan P. B. No.5415, CSEZ P. B. Kochi - 682 037 Phone: 0484 2108164, Fax: 0484 2421888	10. The Registrar, University of Mumbai, Fort, Mumbai - 400 038. Phone: 022 22652819.
5. The Director, MPEDA, MPEDA House, Panampilly Avenue P B. 4272 Cochin - 682 036. Phone: 0484 2311979, 2311803 Fax: 0484 2313361.	11. Shri Dilip Pagdhare, Co-opted Member, 20 B, Mori Road, Mahim Machhmar Vikas Society Ltd. Mumbai, Phone: 9619380728
6. The Director Space Application Centre Jodhpur Tekra, Ambawadi Vistar P. O. Ahmedabad - 380 015. Phone: 079 26914305, Fax: 079 26915841	12. The President Karanja Machhmar Society Mumbai - 400 005.

Sub: Forwarding of the Minutes of the 19<sup>th</sup> Consultative Committee Meeting of FSI (HQs) -Reg.

Sir,

Please find enclosed herewith the Minutes of the 19<sup>th</sup> Consultative Committee Meeting of Fishery Survey of India (HQs) held on 26.04.2018 at Conference hall, FSI (HQs), Sassoon Dock, Colaba, Mumbai- 400 005.

Yours faithfully,

कायलिय  
प्रति

(Dr. L. RAMALINGAM)  
DY. DIRECTOR GENERAL (Fy.)/  
DIRECTOR GENERAL (I/C)

Copy to : Fy. II, III, IV, V / Estt. I/ Estt.II/ Estt. III/ P &D/ Acs. Section for information and necessary action.

Website: <http://www.fsi.gov.in>, E-mail: [dg-fsi-mah@nic.in](mailto:dg-fsi-mah@nic.in), Tel No: 022-22151865/66, Fax: 022 22188221

21/7/18  
2017/18

Minutes of the 19<sup>th</sup> Consultative Committee Meeting (CCM) of Fishery Survey of India  
(HQs), Mumbai held on 26.04.2018 at Conference hall, FSI (HQs),  
Sassoon Dock, Colaba, Mumbai

The 19<sup>th</sup> Consultative Committee Meeting of Fishery Survey of India, Mumbai (HQs) was held on 26.04.2018 at the Conference Hall of FSI, Mumbai (HQs.), under the Chairmanship of Dr. L. Ramalingam, Dy. Director General (Fy.) / Director General (I/C). The List of participants is enclosed as annexure.

Dr. Ansuman Das, Fisheries Scientist welcomed all the members of the committee viz., CMFRI, CIFE, NIO, CMLRE, DG Shipping, MPEDA, University of Mumbai and Fishermen Associations and other participants from the Fishery Survey of India, Mumbai (HQs.) and Mumbai Base.

The Chairman presented the institutional activities and purpose of the Constitution of Consultative Committee to the house through power point. While briefing the performance of the survey vessels for the period of April, 2017-18 (April - February), it was observed that the vessel MFV *Sagarika*, MFV *Matsya Drushti* and MFV *Blue Marlin* achieved 100 percent target in terms of days out at sea. The Chairman also informed to the members that all the zonal Bases are instructed to strictly follow the assigned target to increase the performance of the vessels. FSI (HQs) is continuously monitoring the performance of the vessels.

The Chairman added that, as a part of Human Resources Development in the fisheries sector, FSI provided onboard training to the Central Institute of Fisheries Nautical Engineering and Training (CIFNET) trainees and local fishermen from various maritime states of India. Altogether, 05 Nos. of CIFNET trainees underwent training successfully. When compared to the last year (32 Nos.), this year the trainees have been decreased to 05 Nos. In addition to the regular trainings, FSI engaged 304 CIFNET trainees onboard survey vessels on casual basis. It comprises of 182 trainees in deck side and 122 Nos. in engine side.



As per the directions of Ministry of Agriculture and Farmers' welfare, Department of Animal Husbandry Dairying & Fisheries, New Delhi, FSI had imparted onboard training to the Tamil Nadu Fishermen on Tuna longlining in association with CIFNET, Kochi and National Fisheries Development Board (NFDB), Hyderabad. A total of 32 fishermen were trained onboard the vessel MFV *Matsya Drushti* and *Matsya Vrushti* at Chennai and Mumbai base of FSI respectively during the period under report.

Further, he added that, to share the scientific findings with the end users and to provide the latest information on fishing methods and on fishery resources collected, the Fishery Survey of India had organized regional workshops, open houses, marine fisheries through the zonal Bases of FSI. A total of 09 Regional Workshops, 01 Street play on the theme of "Code of Conduct for Responsible Fisheries (CCRF)" and 05 open houses were organized along the West and East coast of India. Resources Information Series (RIS) published on a quarterly basis in 9 local languages including Hindi and English. Meena news (Quarterly) in Hindi and English for the benefit of the end users were also published. Besides these publications based on the survey findings, scientific papers were also prepared and published. 15 papers by the Scientists of FSI in International and National peer reviewed Journals were published during the period under report.

Then, the Chairman has requested to Dr. Ansuman Das, Fisheries Scientist to present the proposed survey programme. Accordingly, he presented the proposed and approved programme by the respective Consultative Committee of the Zonal Bases of FSI which was chaired by the Commissioner(s) of Fisheries of respective State Fisheries Department(s). After critical review of the survey programme submitted, the members of Consultative Committee of FSI (HQs) had also approved with the small modifications and their suggestions. While presenting the experimental projects and eco-friendly fishing methods, the members had appreciated the FSI for implementing eco-friendly fishing methods for safe guarding the marine ecosystem. After reviewing the proposed survey programme 2018-19, the committee has agreed and approved unanimously the proposed survey programme for implementation during the year 2018-19.

The Chairman had informed about the Collaborative projects and Fishery Extension activities carried out during the review period (April, 2017- February, 2018). Two collaborative research projects such as "Satellite Telemetry Studies on Migration Patterns of Tunas in the Indian Seas (SATTUNA)" and "Remote sensing & GIS for Ecosystem based marine living resources management Objectives" were completed during 2017-18. He had also informed that the Fishery Survey of India has already signed the MoU with the Space Application Centre- ISRO, Ahmedabad for the project on "Identification, forecasting and monitoring of potential fishing zone for Tamil Nadu coastal and offshore waters" under SAMUDRA-TDP project.

Thereafter, the Chairman had briefed about the upcoming projects on "Study on Marine Biodiversity, status, threats and conservation (MoU likely to be signed with Zoological Survey of India (ZSI), Kolkata) and a project with National Institute of Oceanography (NIO), Mumbai on "Upwelling - Driven Near Shore Hypoxia Signals and its Implication on Biogeochemical Processes in Connection with Coastal Fisheries" - Time series Approach. The committee members welcomed such research projects for the benefit of fishery sector.

The Chairman had requested Shri M.K. Farejiya, Director (Engg.) to present about the matters related to Engineering and Marine Engineering Division's (MED) progress for review. Accordingly, the Director (Engg.) presented the progress and bottle necks faced by the division. The members were asked to improve the activities of MED.

The Director (Engg.), while explaining about the maintenance of the survey vessels, he had informed that most of the vessels have crossed their expected life and department is finding very difficult to maintain these vessels. Moreover, the average expenditure on Dry-docking repair of the vessels has become ₹ 3.00 - 5.00 Crores and expenditure on procurement of Spare Parts are also soaring high every passing year. Further, regarding Spare Parts for Engines & Propeller Shaft, Seals, Stern Tubes etc. the OEMs have stopped the production of these spare parts. Most of the fishing gear and electronic equipments are too old and badly needs to be replaced. Due to aging of the vessels, the performance is decreasing every passing year.



When briefing about the acquisition of 7 new vessels for FSI, he had stated that, the proposals are still pending with the Ministry. Further, he had informed that an EFC Memo in the revised format has been sent to the Ministry for acquisition of two Mid-water trawlers. He had also briefed about the importance of CTD meter and Radio Telephone (RT) available at Base offices.

#### **Discussions on Review material presented to the Committee:**

The Director General (I/C) briefed about the onboard training to the fishermen from Tamilnadu, Shri D. Pagdhare, Mahim Machimar Co-op Society, Mumbai requested the FSI to provide this type of training to the fishermen of Maharashtra State. The Chairman agreed the request by principle and suggested to write a letter to the Ministry to get the prior approval to conduct tuna longline training to the local fishers.

Dr. Ansuman Das, Fisheries Scientist had explained the tuna tagging programme conducted by the FSI under the project SATTUNA and its output. The members were appreciated the work carried out in collaboration with the sponsoring agency INCOIS, Hyderabad.

The Director General (I/C) while informing about the marine fishery resources of Kerala coast, Dr. Smitha, Sr. Scientist CMLRE informed to the house that, they are also collecting the oceanographic parameters data except fishery data from Kerala Coast. They do not have fishery resources data to co-relate with the oceanographic parameters collected. Since, the Fishery Survey of India is collecting fishery resources data throughout the year, if approved these data(s) can be incorporated, good results may be derived out of it. The Chairman had appreciated the interest shown by the Scientist and assured that a formal project may be formulated and MoU can be signed.

Dr. R.A. Sreepada, Sr. Scientist, NIO informed that, as on date the fishing pressure is increasing with each passing day. A monitoring system may be prepared by the Fishery Survey of India as the FSI vessels are well available throughout the year out at sea. He had suggested to have a survey on number of fishing boats active in fishing, other craft and gear the fishers are operating when they were out at sea can be collected. In response, the DG

replied that normally survey on craft and gear details are collected by the respective state fisheries department. However, a proposal will be submitted to the Ministry in this regard.

Dr. V.V. Singh, Principal Scientist, CMFRI requested to the Committee that, FSI can start collaborative projects with their regular survey programme all along the coast of India particularly for 30-100 m depth zone. These projects may be collaborated with CMFRI, NIO, CIFE etc., thereby FSI's fisheries data and oceanographic data(s) of other institutes can be incorporated and the results derived may be utilized for the benefit of fisherfolks of the country. Dr. Rajkumar Nayak, Dy. Director, MPEDA was also suggested the same. The Chairman had accepted the proposal by principle and appreciated the inputs and assured that FSI will consider suggestions made by the members.

Dr. R.A. Sreepada, Sr. Scientist had requested that FSI may have a plan for survey the entire coast (East to West) for fishery resources at a stretch. In response the Director General (I/C) had replied that FSI is covering both the east and west coast of India through its 6 Zonal Bases located across the coast.

Shri D. Pagdhare, President, Machimar Co-op Society, Mumbai insisted that, fisheries sector is one of the major important contributor for food production, it should have a separate Ministry to address the issues pertaining to it. If separate Ministry is created then the growth of the sector will increase many fold. Therefore, he had humbly requested to the DG (I/C), FSI to write to the MoA F&W, Govt. of India to consider the request. In response, the Chairman had assured that the request will be forwarded to the MoAF&W, New Delhi.

Shri A.K. Jaiswar, Principal Scientist, CIFE had informed that juvenile fish catches are increasing in the west coast of India. Particularly in the Mumbai coast, juveniles of Pomfrets being observed in the landing centers as well as in the fish markets. He had requested that, FSI may conduct a separate study in this regard. Dr. Rahul Jadhav, Zoologist, University of Mumbai has also informed about juvenile catches in Maharashtra coast. The Director General (I/C) had stated that this is a common phenomenon, in west coast and particularly in Mumbai and Gujarat coasts throughout the year and phenomenon is being monitored by the FSI and also informed that as and when juveniles are identified its being published as short notes in the Meena News (quarterly publication) of the institute.



Shri D. Pagdhare, President, Machimar Co-op Society, Mumbai had requested to establish a dedicated institute for the development of fisheries in the west coast of India like the Bay of Bengal Programme- Inter Governmental Organisation (BOBP-IGO) is doing in east coast of country. On behalf of the people of the region he had requested the FSI to take up the matter with the Ministry of Agriculture and Farmers' Welfare (MoAF&W) to implement the same. The Director General (I/C) had agreed by principle to his request and assured that FSI will initiate action on this proposal.

Dr. Smitha, Sr. Scientist, CMLRE, Kochi had requested to find out the resources and abundance of tunas and its fishing ground on project mode like the SATTUNA project was formulated to study the Migration patterns of Tunas in the Indian Seas. Therefore, a satellite telemetry project can be formulated to fulfill the needs. The Director General (I/C) had informed that, as this project is just completed, retrieval of the tag is being carried out by the INCOIS, after completion of this work this proposal may be discussed with the INCOIS /SAC for further space application based projects.

Dr. Ansuman Das, Fisheries Scientist had informed to the house that, FSI recently had a meeting at Indian Space Research Organisation (ISRO), Head Quarters, Bengaluru, where the FSI has requested the ISRO to design affordable satellite telephone system for the fishermen to use at high sea. If it happens, we can save many lives whenever a natural calamity prevails in the sea. It was also informed to ISRO that ground based sensor technology may be adopted and the desired sensors may be installed on-board FSI vessels across the coast as the fleet of FSI is available at sea throughout the year. After hearing this, Shri D. Pagdhare, Shri Shivdas V. Nakhwa, Fishermen Associations of Mumbai region and all other members were welcomed and appreciated the FSI efforts to support the fisherfolk community.

The Director General (I/C) had informed to the house that, recently the Administration of Andaman and Nicobar Islands had requested the FSI to conduct bottom trawl survey in the Andaman waters as an experimental basis to identify the trawlable fishing grounds. In this regard he has requested if the committee approves this trial fishing (20 days/month), it can be programmed for 2-3 months i.e., January - March, 2019, as

these months are favorable for such exploratory operations. The Committee had agreed and approved the proposal.

Dr. V.V. Singh, Principal Scientist, CMFRI, RC-Mumbai stated that, fishermen needed the PFZ forecast news as soon as possible and it's derivation from the satellite for implementation. If, they are not getting in time, then it will not be useful and the purpose will not be fruitful. Therefore, FSI may formulate a project so as to convey the message to the fishers in real time basis. The DG (I/C) had informed that we are getting this information from the INCOIS and INCOIS also informing the same to the concerned State fisheries department, registered private agencies and other stakeholders. Similarly, PFZ information received by the FSI is also being conveyed to the local fishermen associations all along the coast through FSI Base offices.

Shri Sandeep Aswasthi, ADG (Coastal), DG Shipping, Mumbai informed that the collision at sea is increasing day by day. It may be due to insufficient training and awareness among the fishermen. Some of the fishers are not following traffic rules when they are out at sea. Moreover, they are not equipped with basic requirements such as battery and LED lights to mark their presence at sea in night, when the bigger ships are passing the fishing grounds. Lack of this minimum resources, the accidents / collisions are happening. In this regard, he had requested the fishermen associations to train them from recognized institutes like CIFNET or other maritime universities. Shri D. Pagdhare and Shri Shivdas V. Nakhwa informed to the house that there are cases of collision between bigger vessels and small fishing boats / artisanal crafts in Maharashtra coast also. They agreed to the point that fishermen are need to be trained periodically. The Director General (I/C) had suggested that, the fishermen associations in Maharashtra may send their proposal or willingness to the concerned state governments or directly to the CIFNET for arranging such training. Further, the DG (I/C) assured that, if any help is needed in this regard, FSI is ready to support.

Shri D. Pagdhare, President, Machimar Co-op Society, Mumbai emphasized that, as per the Ministry of Agriculture and Farmers' Welfare, fishing using LED lights should not be carried out. However, certain states are still operating the lights for fishing the pelagic



resources. Because of this, there is lot of conflicts happening among the fishermen. Further he had requested that, to resolve the issue specific order is needed to be enforced. In this regard, Dr. Ansuman Das, Fisheries Scientist explained and quoted the gazette notification issued by the Goa Government on this issue i.e., "LED Fishing" where it should be carried out and when it should be, accordingly, Maharashtra Government may issue similar notification. The Director General (I/C) further added that, the FSI is also creating awareness among the local fishermen by conducting various regional workshops explaining code of conduct for responsible fisheries (CCRF).

The meeting concluded at 1335 hrs. with the vote of thanks by Shri Mahesh Kumar Farejiya, Director (Engineering), FSI.

## Annexure

## List of Participants:

Sl. No.	Name of the Participants	Name of the Office/Institute
1	Dr. L. Ramalingam, Dy. Director General (Fy) / Director General (I/C)	Fishery Survey of India , Mumbai
2	Shri Sandeep Awasti, Assistant Director General	DG Shipping, Mumbai
3	Dr. V.V. Singh, Principal Scientist	CMFRI, Mumbai
4	Dr. Ashok Kumar Jaiswar, Principal Scientist	CIFE, Mumbai
5	Dr. Sreepada, Senior Scientist	NIO, Mumbai
6	Dr. Smitha B.R., Senior Scientist	CMLRE, Kochi
7	Dr. Rajkumar Nayak, Deputy Director	MPEDA, Mumbai
8	Shri D.N. Pagdhare, President	Machimar Co-op Society, Mumbai
9	Shri Shivdas V. Nakhwa, President	Karanja Machimar Co-op Society Ltd.
10	Dr. Rahul Jadhav , Zoologist	University of Mumbai
11	Shri M.K. Farejiya, Director (Engineering)	Fishery Survey of India (HQs), Mumbai
12	Shri N.V. Ramana Murthy, System Analyst	
13	Shri P. Chalapathi Rao, Statistician	
14	Dr. Ansuman Das, Fisheries scientist	
15	Smt M.K. Sreemathi, Sr. Administrative Officer	
16	Shri C.H. Bhaskar, Programmer	
17	Shri B.M. Raut, Programmer	
18	Shri Ashish Kumar, Programmer	
19	Shri A. Siva, Sr. Scientific Assistant	
20	Ms. Rajashree B. Sanadi, Sr. Scientific Assistant	
21	Shri Rahulkumar B. Tailor, Sr. Scientific Assistant	
22	Shri R.B. Dokare, Mechanical Supervisor (Senior)	Mumbai Base of Fishery Survey of India
23	Shri B. Balanayak, Service Engineer (Mech.)	
24	Dr. S.K. Dwivedi, Fisheries scientist	
25	Shri Ashok S. Kadam, Fisheries scientist	
26	Shri Ashok K. Khita, Mechanical Supervisor (Sr.)	
27	Ms. Roshan Maria Peter, Sr. Scientific Assistant	