10.11.2022

Parliament Standing Committee on Agriculture, Animal Husbandry and Dairying and Food Processing-Request for inputs

From: Dr. Ansy Mathew N. P. (ansy.mathew@gov.in)

To: ddgfs.icar@gov.in; caaheadoffice@caa.gov.in

Cc: ravishankar@cife.edu.in; director.cmfri@icar.gov.in; director.cift@icar.gov.in; director.cifa@icar.gov.in; director.ciba@icar.gov.in; caainputs@caa.gov.in; director.cifri@icar.gov.in; director.dcfr@icar.gov.in; director@csmcri.res.in; fisheries.icar@gmail.com; dg-fsi-mah@nic.in; cifnet@nic.in; cifnethq@yahoo.com; directorcifnet.1963@gmail.com; ifpchn@nic.in; sssingh_fishcopfed@rediffmail.com; ds-coord@dof.gov.in; rk.singh67@nic.in

Date: Thursday, 10 November, 2022 at 08:34 am IST

Sir

Kindly make necessary arrangements to send the information on the following points for the Parliament Standing Committee on Agriculture, Animal Husbandry and Dairying and Food Processing by **04.00 P.M. today, 10-11-2022**

1. Employment opportunities in fishing and fish/ Seaweed culture (in coastal areas, ponds, RAS, Biofloc etc.)
2. Employment opportunities in fish processing
3. Employment opportunities in manufacture of fishing/ fish culture gears and equipments
4. Number and size (total members) of cooperative societies, SHGs etc.
5. Way forward for creating employment opportunities in fishing and fish/ Seaweed culture (in coastal areas, ponds, RAS, Biofloc etc.), fish processing, manufacture of fishing/ fish culture gears and equipments

Regards,

Dr. Ansy Mathew, N. P.,
Assistant Commissioner (Fisheries),
Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying,
Government of India, First Floor, Chander Lok Building, 36, Janpath, New Delhi-110 001.

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भारत सरकार
GOVERNMENT OF INDIA
मत्स्यपालन, पशुपालन और डेयरी मंत्रालय (मत्स्यपालन विभाग)
MINISTRY OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING (DEPARTMENT OF FISHERIES)
केंद्रीय मत्स्य नौचालन एवं इंजीनियरी प्रशिक्षण संस्थान (सिफनेट)
CENTRAL INSTITUTE OF FISHERIES NAUTICAL & ENGINEERING TRAINING (CIFNET)
फाईन आर्ट्स एवन्यू, कोच्ची- 682 016 | FINE ARTS AVENUE, KOCHI -682 016

F.No.5-5/2022 I &P

Dated 10.11.2022

To

The Secretary to the Government of India,
Ministry of Fisheries, Animal Husbandry and Dairying,
(Department of Fisheries),1st Floor, Chanderlok Building,
36 Janpath, New Delhi – 110 001.

(Kind attention: Shri Dr. Ansy Mathew N P, Asiistant Commissioner (Fisheries)

Sub: Points for the Parliament standing Committee - Employment opportunities in manufacture of fishing/fish culture gears and equipments- - reg.

Ref: Ministry's e-mail letter dated 10.11.2022

Sir,

With reference to the communication cited on the subject, it is to inform that the various Employment opportunities in the manufacture of fishing/fish culture gears and equipments were analysed and the informations are herewith.

Yours faithfully,

DIRECTOR

Manufacture of fishing gears and equipments

(For all types of fishing like Trawling, Purse seine, Long lining, gill netting and other fishing methods)

Sl . No.	Particulars	Sector	Job opportunity
1	Webbing (HDPE, Nylon)	Both Govt. and Pvt. Companies.	1. As Net makers, Deckhands on board fishing vessels. 2. Technicians, Chemist, Chemical Engineers, Mechanical Engineers (for production). 3. Managers and Marketing executives (for marketing)
2	Floats (PVC, HDPE, EVA)	Both Govt. and Pvt. Companies and societies	
3	Sinkers, Shackle, Swivel, Hooks (Iron , Lead, Brass, Steel)	Both Govt. and Pvt. Companies and societies	
4	Trawl warp (steel wire rope)	Both Govt. and Pvt. Companies and societies	
5	Ropes and Twines, Monofilament (HDPE, PP, PE, Nylon)	Both Govt. and Pvt. Companies.	
6	Rope Traditional (Rope, Manila)	Both Govt. and Pvt. Companies.	
7	Otter boards (MS),Trawl winch, Purse winch, Purse devit, Power block, Line setter, long line reel, gillnet reel.	Both Govt. and Pvt. Companies.	

Manufacture of fish culture gears and equipments

Sl . No.	Particulars	Sector	Job opportunity
1	Webbing for cage and Hapa (HDPE, Nylon)	Both Govt. and Pvt. Companies.	1. Cage worker, Net mender, 2. Technicians, , Chemical Engineers, Mechanical Engineers, unskilled labourers (for production) Managers and Marketing executives (for marketing)
2	Floats (PVC, HDPE, EVA)	Both Govt. and Pvt. Companies.	
3	Ropes and Twines, Monofilament (HDPE, PP, PE, Nylon)	Both Govt. and Pvt. Companies.	
4	Mariculture cage (GI)	Pvt. Companies.	
5	Standing base for Mariculture Cage frame (synthetic material)	Pvt. Companies.	
6	Feed for cage culture	Both Govt. and Pvt. Companies.	Technicians, food Processing Scientists, Mechanical Engineers, unskilled labourers (for production) Managers and Marketing executives (for marketing)

Fwd: Standing Committee on Agriculture (2022-23) – Selection of Subjects for examination

From: Dr. Ansy Mathew N. P. (ansy.mathew@gov.in)

To: ce.nfdb-dadf@gov.in; caaheadoffice@caa.gov.in; caainputs@caa.gov.in; director@cicef.gov.in; cifnet@nic.in; cifnethq@yahoo.com; directorcifnet.1963@gmail.com; dg-fsi-mah@nic.in; ifpchn@nic.in; shankarjcfy@gmail.com; rajivpratap.dubey@gov.in

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Date: Wednesday, 26 October, 2022 at 02:35 pm IST

Madam/ Sir,

In continuation to trailing mail dated 21 October, 2022 on the above mentioned subject, it is to inform that the updated Background Notes/ Material for the subjects selected by the Standing Committee on Agriculture, Animal Husbandry and Food Processing for the year 2022-23 has not been received so far.

Please find the attached OM dated 20-10-2022 regarding furnishing of Background Notes/ Material for the subjects selected by the Standing Committee on Agriculture, Animal Husbandry and Food Processing for the year 2022-23 received from Lok Sabha Secretariat.

It is requested that updated Background Notes/ Material for the subjects selected by the Standing Committee on Agriculture, Animal Husbandry and Food Processing for the year 2022-23 may kindly be sent immediately.

Regards,

Dr. Ansy Mathew, N. P.,
Assistant Commissioner (Fisheries),
Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying,
Government of India, First Floor, Chander Lok Building, 36, Janpath, New Delhi-110 001.

From: "Dr. Ansy Mathew N. P." <ansy.mathew@gov.in>
To: "Chief Executive" <ce.nfdb-dadf@gov.in>, "Coastal Aquaculture Authority" <caaheadoffice@caa.gov.in>, "CAA Inputs" <caainputs@caa.gov.in>, "Venkatesh Prasad N" <director@cicef.gov.in>, "CIFNET HQ" <cifnet@nic.in>, "cifnethq" <cifnethq@yahoo.com>, "directorcifnet 1963" <directorcifnet.1963@gmail.com>, "DG, FSI" <dg-fsi-mah@nic.in>, "Director NIFPHATT" <ifpchn@nic.in>, "shankarjcfy" <shankarjcfy@gmail.com>, "Rajiv Pratap Dubey" <rajivpratap.dubey@gov.in>
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Sent: Friday, October 21, 2022 11:32:49 PM
Subject: Fwd: Standing Committee on Agriculture (2022-23) – Selection of Subjects for examination

Madam/ Sir,

Background Note on Development of Deep sea Fishing In India

India is endowed with a long coast line of 8,118 km stretching along 9 Maritime States and 4 Union Territories, 0.53 million sq.km Continental Shelf and 2.02 million km2 of Exclusive Economic Zone (EEZ). The Marine Fisheries has been playing a pivotal role in the Indian Fisheries Sector. Resource-wise fisheries potential yield from the depth zone up to 500m depth was estimated by the committee constituted by Department of Fisheries, Government of India for Revalidation of potential yield from the Indian EEZ. The estimate of potential yield of conventional resources along the mainland & Island ecosystems of India is 5.31 million tonnes (DOF 2020).

A total of 1,66,333 fishing crafts exists in the fishery in marine fisheries sector out of which 42,985 (25.8%) are mechanized, 97,659 (58.7%) are motorized and 25,689 (15.4%) are nonmotorized. In the motorized sector, 32.2% of the crafts are fitted with inboard engines and 67.8% are with outboard engines. In the mechanized sector, 71.5% are trawlers, 15.2% are gillnetters and 8.0% are dolnetters & bagnetters (CMFRI-FSI-DoF (2020).

The marine fish production estimated for the country in 2019-20 is about 3.72 million tonnes which consists mainly of the conventional resources harvested mainly from waters within 200m depths. Hence, there is scope for increasing the landings of conventional resources from oceanic waters. The under/unexploited resources are available in the 200 to 500-meter depth zone and in the oceanic waters. Except for the Potential Yield of 0.23 mmt of tuna and tuna-like fishes, many other resources in the oceanic waters are non-conventional fin and shellfishes such as myctophids and oceanic squids. Efforts to be initiated for realising the full potential of 0.23 mmt of tuna and tuna-like fishes and the oceanic squids (0.63 mmt), by improving the skills and capacities of the fishers to catch and land them in good condition.

Deep sea fishery over the years has undergone several changes like modernization of fishing practices along with diversification, intensification and extension of fishing to new grounds and landing from incidental by catch to targeted commercial fishery.

Immediately after independence, the Government of India was actively seeking ways to develop the fishery sector from its almost primitive stage. It soon found that the social status of the fishing communities in the country was very weak and fully subsistence oriented and only a radical change can produce the desirable output from the sector to suit the target of the country's overall development. Therefore, the Government decided to import trawlers for exploiting the offshore resources. It provided various assistances and formulated attractive schemes and encouraged private fishing companies and State Government Corporations to import trawlers, especially for shrimp fishing in East coast of India. Thereafter new schemes were introduced under different Five year plan for the upliftment of Marine Fishing Industry with particular reference to Deep sea fishing.

Towards development of Deep sea fishing, the Government of India introduced deep sea fishing vessels. During September, 1960 to February, 1965 M.V. Pratap belongs to Fishery Survey of India (erstwhile deep sea fishing station and off shore fishing station) conducted six cruises of long lining in the Arabian sea. Later an indigenous trawler converted long liner M.V. Meena Prayas continued long lining during 1972. Though the results were encouraging, the programme would not be continued in the right perspective for want of adequate vessels and lack of infrastructure facilities. However FSI acquired two long liners from Japan under the Japanese aid programme during 1981 for training in tuna longlining and for survey of tuna resources, the activities gained considerable momentum. Matsya Sugandhi, the 31.5m Japanese built long liner based at Cochin base of Fishery Survey of India (1980-1988) has enormously expanded the area of investigation achieving spectacular results with respect to the landings of Yellowfin tuna(Anrose,2013). FSI subsequently acquired few more tuna long liners viz, M.V.Blue Marlin and M.V.Yellowfin, both Japanese multifilament long liners and Matsya Drushti and Matsya Vrushti, both Chinese monofilament long line vessels. For training on deep sea fishing, the Government of India provided a combination vessel M.V.Prashikshani, a Tuna long liner cum trawler attached to CIFNET, Kochi. Currently, CIFNET has three vessels with the facility for conducting Monofilament long lining for tuna.

There exist a vast network of research and training organization like Fishery Survey of India (FSI), Central Institute of Fisheries Nautical and Engineering Training (CIFNET), Central Marine Fisheries Research Institute (CMFRI), Central Institute of Fisheries Technology (CIFT), which are engaged in the deep sea fisheries research in India.

Over the years, the Government of India has taken various initiative towards development of Deep sea fishing such as Joint venture programme, Chartered foreign vessel programme, Introduction of LOP vessels etc.

Government of India launched the scheme under the Blue Revolution programme in July 2017 in Rameswaram, in Tamil Nadu. The scheme aims to replace all trawler boats and introduce over 2000 deep sea fishing boats having long lines and gill nets in a course of 5 years with a total cost of 1,600 crore. Of the unit cost of each vessel (₹80 lakh), 50% would be borne by the Centre, 20% by the State government and 10% by the beneficiary, and the remaining 20% would be met through institutional financing. With the technical consultation of ICAR-CIFT, the CSL, Kochi constructed 16 numbers of boats at pilot level, and handed over to the fishermen and the scheme is progressing towards deep sea fishing development in India.

Role of CIFNET in development of Deep sea fishing

CIFNET plays a pivotal role in creation of trained manpower for the deep sea fishing sector and the certified personnel to man deep sea fishing vessels. CIFNET conducts regular courses such as two vocational courses, Vessel Navigator Course (VNC) and Marine Fitter Course(MFC) and the Bachelor of Fisheries Science (Nautical Science) Under PMMSY scheme the institute has been conducting various capacity training programmes, including training on tuna longlining and handling of tuna onboard for the fishermen of coastal states. Since 2017, CIFNET has trained 561 fishermen of coastal states of Tamil Nadu, Andhra Pradesh, Kerala, Gujarat and Maharashtra under capacity building training in long line fishing and tuna handling.

Futuristic Vision of CIFNET for development of deep sea fishing

The deep sea fishing sector needs skilled human resource at various levels and diverse set of skills are required to leverage the potential of the fisheries sector to the benefit of the nation. Skilling the traditional fishers to assimilate the technological changes is an area requiring policy focus. There is a need for policy for the fishermen training to make them understand the advanced technologies in the marine fishing and the fishery regulations. Responsible fishing, hygienic handling of fish on-board as well as post-landing, handling devices like echo sounder and GPS, sea safety practices etc. are some of the areas among many, where skilled training is required.

CIFNET is conducting various short term training courses for the fishermen along with the other regular courses. However the Institute is constrained with old fishing vessels, of more than 40 years of old (2nos.) and the other one of 26 years old. The frequent need of repair and maintenance work is affecting adversely in achieving the quality training on board the vessel. Marine training cannot be done without effective practical training. So, the Institute should be supported with 3 new fishing vessels of OAL 27m for conducting the effective practical training towards the development of deep sea fishing.

References

1) Anrose,A., Sinha,M.K., Babu,C. 2013. A comparision of changes in the exploration and exploitation of Oceanic tuna resources in the Indian EEZ in 1970-2012. IOTC 2013.WPTT15-45.

2) CMFRI-FSI-DoF (2020). Marine Fisheries Census 2016 - India. Central Marine Fisheries Research Institute, Indian Council of Agricultural Research, Ministry of Agriculture and Farmers Welfare; Fishery Survey of India and Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Government of India. 116p.

3) DOF. 2020. Handbook of Fishery Statistics 2020. Department of Fisheries, Government of India. 176p.

4) Meenakumari.B.2014. Report of the Expert Committee constituted for Comprehensive Review of the Deep Sea fishing Policy and Guidelines

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