

5 Days Training of Trainers (ToT) Programmes

(a) Introduction:

Historically, extension has been the weakest link in the development and modernization of the fisheries sector in India. The availability of technical personnel in the line Department of Fisheries (DoF) in the States/ Union Territories (UTs), to support the vital functions of extension at the grassroots level has been a matter of concern, resulting in poor Transfer of Technology (ToT), lack of coordination with other line Departments and meagre research linkages. So, it is essential to build a cadre of Master Trainers for carrying forward the task of HRD in fisheries sector. Such master trainers would be picked up from the DoF/CoF of the States/ UTs/Fisheries Corporations/ State Fisheries Universities/ KVKs/ NGOs etc. The master trainers will be selected/ handpicked through regional assessment by evaluating the criteria like technical background, training aptitude, communication skills, team work and leadership qualities, etc. The selection process is being handled by ICAR Fisheries Research Institutions such as CIFT, NBFGR, CIFNET, CSMCRI, CIBA, CIFA, CIFRI, DCFR, and Universities/KVKS, DoF/CoFs and State Level Fisheries Institutes.

(b) Objectives:

To provide the training to the selected candidates through the Implementing Agencies in the topics like Microbial examination of fish and fishery products, Seaweed cultivation, Enclosure culture (Cage and Pen) for inland fisheries management, Fish nutrition and feed technology, Re-circulatory system/Modern aquaculture system, Cage and Pen culture, Inland ornamental fisheries management, Integrated farming system involving fish, livestock and agri- horticulture crops, Freshwater pearl farming, Ornamental fish farming, and Fishing technology, navigation, safety at sea and marine engines etc.

(c) Technical Details:

Total No. of Participants: 25 per batch

Duration: 5 days

Participants: State Department Officials/AOC Technical staff/ Entrepreneurs/ Farmers /NGOS etc.

Unit Cost: Rs. 2.0 lakhs per batch

(d) Status:

In the financial year 2019-20, NFDB was funded for the 30 no. of 5- days Training of Trainers (ToT) programmes and the 701 no. of participants were trained and the Implementing Agency wise breakup details are as follows:

Sl. No	State/ Organisation	Name of the Implementing Agency	Training Topics	No. of Programmes	No. of Trainees
1.	National Organization	ICAR-CIFA	<ul style="list-style-type: none"> • Aquaculture pond production and productivity management with special reference to climate change • Recent advances in fish nutrition and feed technology • Hands-on training on fish health and environment management in freshwater aquaculture • Integrated farming system involving fish, livestock and agri- horticulture crops • Freshwater pearl farming for entrepreneurship development • Hands-on training on fish health and environment management in freshwater aquaculture • Recent advances in ornamental fish farming 	7	154
2.	National Organization	ICAR-CIFE	<ul style="list-style-type: none"> • Remote sensing and GIS technology for soil and water quality mapping • Cage and Pen culture 	2	50
3.	National Organization	CIFNET, Kerala	<ul style="list-style-type: none"> • Elements of seamanship & navigation, marine electronic equipment's its, operation & maintenance of marine engines • Life saving and firefighting appliances & electronic equipment's 	2	31
4.	National Organization	ICAR-CIFRI	<ul style="list-style-type: none"> • Reservoir fisheries management for employment generation • Enclosure culture (Cage and Pen) for inland fisheries management 	7	175

			<ul style="list-style-type: none"> • Management of floodplain wetlands for sustainable fisheries • Reservoir fisheries management for employment generation • Fish health management of inland cultured fishes for doubling farmer's incomes • Enclosure culture (Cage and Pen) towards livelihood and nutritional security • Ornamental fisheries management of NE region 		
5.	National Organization	ICAR-CIFT	<ul style="list-style-type: none"> • Microbiological quality analysis of fish and fishery products 	2	50
6.	National Organization	CSIR-CSMCRI	<ul style="list-style-type: none"> • Training on seaweed cultivation and dissemination of farming along coastal states, India 	5	125
7.	National Organization	ICAR-DCFR	<ul style="list-style-type: none"> • Recent advances in culture and breeding of Rainbow Trout (<i>Oncorhynchus mykiss</i>) • Recent advances in breeding and hatchery management of Golden Mahseer and Chocolate Mahseer • Coldwater fish disease management 	3	66
8.	National Organization	ICAR-NBFGR, Lucknow	<ul style="list-style-type: none"> • Re-circulatory Aquaculture System (RAS) 	2	50
Total				30	701



Class room sessions on fish diseases and diagnosis at ICAR-CIFRI, Barrakpore



Field visit during training on integrated farming system involving fish, livestock and agri-horticulture crops at ICAR-CIFA, Rahara



Training on microbiological quality analysis of fish and fishery products at VRC of ICAR-CIFT



Class room session on seaweed cultivation training at CSIR-CSMCRI Mandapam camp



Practical session of training on recent advances in breeding and hatchery management of golden mahseer and chocolate mahseer at ICAR-DCFR Bhimtal



Field visit during training on Re-circulatory aquaculture system at ICAR-NBFGR, Lucknow