



National Training Program on “Inbreeding in Carp Hatcheries and its Management for Quality Seed Production” was organized at ICAR CIFA, Bhubaneswar

The Fish Genetics and Biotechnology Division, ICAR-CIFA organized 5 days national training program on “**Inbreeding in Carp Hatcheries and its Management for Quality Seed Production**” during 21-25 August 2023 to increase the awareness among hatchery managers/owners, aquaculture farmers regarding management of inbreeding in carp hatcheries. Total 19 trainees from 6 different states i.e. Uttar Pradesh, Jharkhand, Assam, Odisha, West Bengal and Maharashtra have participated in the training program.

During 5 days training resource persons from ICAR-CIFA has delivered theory lectures which include all the aspects of genetic management of carp broodstock, selective breeding for increasing fish production, effect of inbreeding on performance traits, off-season breeding using CIFABROOD, Carp reproduction, Fish Hybrid Identification using molecular tools, structure of carp hatchery and its management, management of inbreeding, soil and water quality management and fish disease management, BMP, Accreditation process etc. In practical classes they have given hands on training on hormone injection for induce breeding of Jayanti rohu and improved catla, Fin clipping for batch marking, PIT tagging of rohu fingerlings and estimation of rate of inbreeding in hatchery using effective population size.

Participants had a field visit to an intensive aquaculture system developed by a progressive fish farmer, Mr. Saurav Kumar Biswal, multiplier unit of Jayanti rohu and improved catla. Trainees witnessed In-pond Raceway System (IPRS), IMC hatchery, Nursery and grow out ponds and interacted with him. The trainees had visit to the National Freshwater Fish Brood Bank (NFFBB) facility of NFBD eastern regional centre in Kausalyaganga, Odisha.

The participants appreciated the training provide and the support received from all resource persons and division scientist. Dr P K Sahoo, Director ICAR-CIFA interacted with the trainees and received the feedback of the program on the valedictory program. Dr. K. D. Mahapatra, Former Principal Scientist, FGBD, and the chief guest for valedictory program. The training program was coordinated by Dr. L. Sahoo, Senior Scientist, Mr. Mohan Badhe, Scientist, Mr. Uday Kumar Udit and Mrs. Priyanka Nandanpawar, Scientist, of the Fish Genetics and Biotechnology Division.

Dr. J. K. Sundaray, Principal Scientist and Head, FGBD, Dr. K. Murmu, Principal Scientist and Mr. Avinash Rasal, Scientist were the course directors for the training program.



Theory and Practical Sessions during the Training Program



Field Visit to different facilities at ICAR-CIFA, NFFBB and Farmers Field



Trainee Participants with Resource Persons