

## **Exposure-Cum-Training for Odisha Departmental Officers (Batch-2) on *"Nutrition and Feed Management in Aquaculture Pond Practices"* from 26 to 30 September 2024 at ICAR-CIFE, Mumbai**

A 5-day special Exposure-Cum-Training for Odisha Departmental Officers (Batch-2) on *"Nutrition and Feed Management in Aquaculture Pond Practices"* from 26-30 September 2024 was conducted by ICAR-CIFE, Mumbai. A total of 20 departmental officers from Odisha participated in the programme. The programme was inaugurated by Dr N.P.Sahu, Joint Director and Dr.K.N.Mohanta, Head, Fish Nutrition, Biochemistry and Physiology Division, ICAR-CIFE, Mumbai. Dr. Sikendra Kumar and Dr Manish Jayant, Senior Scientist, were the coordinators of this training programme. The key resource persons who delivered in the lecture on applied nutrition in aquaculture were Dr K.N.Mohanta, Dr Subodh Gupta, Dr Ashutosh Deo, Dr. Prem Kumar, Dr Sikendra Kumar and Dr.Tincy Varghese. In his inaugural address, Dr Sahu enquired about the present status of aquafeed use in the State of Odisha and suggested for the improvement of the farm-made feed for better aquaculture production and preparation of feed by using locally available feed ingredients. Dr Sikendra Kumar, Coordinator, outlined the five-day training programme. Dr. Mohanta delivered the lectures on nutrient requirements of commercial food and ornamental fish, cost-effective feed formulations, and feed management in high density fish culture like RAS, bifloc, cage and pen culture in addition to pond fish culture. The valedictory session was chaired by Dr. Ravishankar CN, and he distributed the certificates and training manual to the participants upon completion of the 5 day training programme. In his address, he highlighted that feed is the most critical and important input, constituting 60-70% of the recurring cost in aquaculture, and India has a long way to go in feed-based aquaculture to increase fish production per unit area. A total of 13 practical demonstrations were conducted, including advanced feed production technologies to produce the floating, sinking and semi-sinking feeds for fish and shrimps; feed testing and quality assurance were demonstrated to the trainees apart from 11 theory classes. A field visit to the Shrimp Culture farm (Pancham Farm) at Palghar (Maharashtra) was also arranged for the trainees to better understand the feeding management and shrimp culture practices. The trainees were very much satisfied with the training and thanked Dr Ravishankar for organising such a nice training



Fig 1: Release of the training manual in the inauguration programme



Fig 2: Production of feed using spheronizer by the trainees





Fig 3: Production of floating feed using the twin screw extruder by the trainees



Fig 4: Production of feed using the single screw extruder by trainees





Fig 5: Visit the Shrimp Culture farm (Pancham Farm) at Palghar (Maharashtra) to learn feeding management and culture practice



Fig 6: Harvest of shrimp, *Penaeus vannamei* at Pancham Farm, Palghar (Maharashtra)



Fig7 : Distribution of certificates to the participants by the Director, Dr. Ravishankar CN