



CARD

CENTRE FOR AGRICULTURE AND RURAL DEVELOPMENT

Committed to farmer's prosperity

REPORT ON
**INTEGRATED BIOFLOC
TRAINING PROGRAM**

— *Exposure Visit of Biofloc Unit*

10-11-12 OCTOBER 2020
TOWN HALL, AMARPUR, TRIPURA



Tripura: An Overview

Tripura is a landlocked hilly state in northeastern India with altitudes varying from 15 to 940 m asl. It constitutes almost 0.31% population of India and 8.18% of North East. The state receives normally more than 2000 mm rainfall annually. Tripura holds higher rank in per capita fish consumption. Moreover, Tripura experienced highest retail price of fish per kg. in India. Fish plays an important role in the economic sector of the state, providing income, employment and food security to the people. Fish is one of the most important daily diet of 95% of its population with its availability from local production at 10.9kg/capita during 2008-09 as against the nutritional requirement of 11.1 kg.

The scope for horizontal expansion in aquaculture is limited in the state due to hilly topography as well as wide coverage of forest area. Therefore, Biofloc Fish Farming can play major role in the state to enhance the production.

Biofloc Fish Farming: New Blue Revolution

Biofloc technology is considered as the new “Blue Revolution” in aquaculture. It is innovative as well as cost effective technique of modern era. In this technique toxic materials to the fishes such as Nitrate, Nitrite, Ammonia can be converted to useful products, i.e., proteinaceous feed. The principle of this technique is the generation of Nitrogen Cycle by maintaining higher C:N ratio through stimulating heterotrophic microbial growth, which assimilates the nitrogenous waste that can be exploited by the cultured species as a feed. The biofloc technology is not only effective in treating the waste but also grants nutrition to the aquatic animal. The biofloc technology is not only effective in treating the waste but also grants nutrition to the aquatic animal. The technology is applied to a variety of system types and is currently most commonly used for the culture of shrimp and tilapia, although other taxa such as catfish are being explored.

Training Objectives

- To promote the Biofloc farming technology among the rural unemployed youth for livelihood.
- To make Biofloc farming technology more commercially viable option.
- To educate the farmers about modern and scientific methods of Biofloc technology through trainings.
- To develop new entrepreneurs in Biofloc sector.
- To help candidates in preparation of Bankable project report.
- To help them in forward and backward linkages.

Centre for Agriculture and Rural Development (CARD), New Delhi organized 1st 3-day long one of its own kind Integrated Biofloc Fish Farming Training Program. The Training program was organized at Town Hall, Amarpur, Distt. Gomti, Tripura. In total 27 candidates were trained during this program.





DAY-1

The program was inaugurated by Mr. Tarun Chakarborty, Chairman of Nagar Panchayat, Mahir Bhushan Chakarborty, Zila Parishad Member, Mr. Sukanta Bhattacharjee, CEO, YDT, Mr. Abhijit Banik, Regional Coordinator, CARD, Mr. Deepak, Assistant Manager, CARD.



During the inaugural session Mr. Tarun Chakarborty mentioned about the need of new technology in aquaculture to enhance the fish production in the area. He also told about various schemes launched by State Govt. He thanked CARD for Integrated Biofloc Fish Farming Training Program and wished best for the candidates.

Mr. Sarban, Trainer introduced candidates to the Biofloc technology and various other topics including history of biofloc, structure of biofloc, setting up of biofloc, water preparation, water management, floc formation and measurement were taught to candidates.





DAY-2

Mr. Deepak started the day by introducing Pradhan Mantri Matsya Sampda Yojana to the candidates. Theoretical lectures including fish selection, diseases management, feed management, nutrition management, etc. were given to the candidates.

Post lunch session started with exposure visit to Biofloc Fish Farm to give more insightful knowledge to the candidates. During exposure visit, candidates got hands on experience of the biofloc fish farming.





DAY-3

On the last day, candidates were trained about marketing of fishes, business aspects, economics of Biofloc Fish Farming, project Report Development etc.

During Concluding ceremony Dr. Farukul Islam, Sr. Scientist, KVK, Mr. Abhijit Banik, Regional Coordinator, CARD, Mr. Sukanta Bhattacharjee were present. Certificates were presented to all 27 candidates for successfully completing training program. During his speech, Dr. Farukul Islam said that fisheries has vast potential. The new technologies of fish production would invite rural youth at large scale which would help the state not only in increasing fish production but self-employment would also strengthen. He also mentioned that entire North-East, especially Tripura is offering immense potential for establishment of Fish Feed Factories, RAS, etc.

Mr. Abhijit Banik said that the organizations will work for the development of state in many sectors. Mr. Sukanta Bhattacharjee presented vote of thanks to conclude the ceremony.



List of Candidates

Sr. No.	Name	Address
1.	Pradip Debnath	Amarpur
2.	Narayan Das	Udaipur
3.	Manik Chandra Bhowmik	Udaipur
4.	Silfal Das	Udaipur
5.	Pintu Chandra Das	Udaipur
6.	Koushik Dey	Udaipur
7.	Subhajit Bose	Matabari
8.	Sajal Saha	
9.	Tuhin Roy	Matabari
10.	Tana Miah	Amarpur
11.	Biswas Das	Amarpur
12.	Anjan Das	Amarpur
13.	Nantu Biswas	Amarpur
14.	Santosh Das	Amarpur
15.	Mcinmoy Chakraborty	Amarpur
16.	Rana Paul	Amarpur
17.	Rahul Mia	Amarpur
18.	Litan Debnath	Amarpur
19.	Gourabh Das	Amarpur
20.	Prantosh Saha	Amarpur
21.	Sanjoy Das	Amarpur
22.	Makul Sarkar	Amarpur
23.	Subrata Debnath	Karbook
24.	Dipak Das	Karbook
25.	Shaelnandan Banik	Amarpur
26.	Ashok Sarkar	Karbook
27.	Anjana Das	Matabari



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