ICAR’s Breakthrough in Fisheries

A device for breeding and culturing marine fish in open sea: Low Cost Open Sea Cage Farming
A device for breeding and culturing marine fish in open sea: Low Cost Open Sea Cage Farming

Introduction

The open sea cages are used for cultivating marine fishes, and may be used in domestic and export oriented marine sea farming in cages. The present invention describes a low cost cage culture device for open sea fish farming in GI cage developed by Central Marine Fisheries Research Institute, Kochi.

Advantages

Low cost cage of Rs 1 lakh including netting & mooring and a single crop can recover the investment of input cost. Make : Good quality 1.5" GI pipe (B Class), Joints double welded for extra strength, structure provided with epoxy primer & grey paint to prevent rusting. Additional floatation with fibre barrels of 200 litres filled with 30 lb air & inflated barrel provides stable platform for operations. Outer net at 60 cm above water level prevents predatory fish entry to middle space, Less Weight : 700 kg & can carry 20-25 persons at a time on the platform for managerial operations. Diameter 6 m, Height 120 cm & Depth 6 m.

Financial aspects:

Indicative Economics

- Total investment = 5.89 lakhs
- Rate of return = 69.78 %
- Profitability % = 88.58 %
- Market potential = 2000 crores/year

Services offered as a part of technology transfer: On-site demonstration of finfish and shellfish culture in open sea

Contact

Zonal Technology Management –
Business Planning & Development Unit, South Zone
Indian Council of Agricultural Research
CIFT Junction, Willington Island
Matsyapuri P.O. Cochin – 682029, Kerala
Phone: 0484-2666843, Fax: 0484-2666843
Email: ciftbpdu@gmail.com