



Integrated Paddy-cum-Fish Culture (IPFC)



Definition

Integrated Paddy-cum-Fish Culture is a system of producing fish in combination with paddy cultivation using the same resources in the same unit area.

Types

1. Simultaneous or Concurrent Method where fish and paddy grow together in the same field at the same time.



Fish trench in the periphery of paddy field



Fish trench in the centre of paddy field

2. Alternate or Rotation Method where fish are cultured in the paddy field during paddy off-season.



Paddy cultivation as first crop



Fish culture in paddy field as second crop

Aim and Objectives

- To promote effective utilisation of land and water resources.
- To enhance crop yield per unit area.
- To promote income generation and self-employment amongst the farmers.
- As fish markets are not easily accessible to people living in remote areas, producing fish in paddy fields promotes dietary consumption thereby ensuring nutritional security.

Advantages

- Full utilisation of the paddy field in all seasons.
- Does not require use of fertilisers, weedicides and pesticides.
- Fish metabolic waste acts as nutrient and boost paddy production.
- Presence of fish reduces weeds and pests.
- Increased crop yield in same unit area.
- Enhanced income generation with little modifications to the paddy field.

Beneficiaries

Interested paddy-farmers in the NE States will be the beneficiaries of the Integrated Paddy-cum-Fish Culture (IPFC) Project.

Project Location & Implementation

- Integrated Paddy-cum-Fish Culture is desirable in certain regions, especially the North Eastern States of the country.
- The hilly terrain, problems associated with construction of new fish ponds, fertile paddy fields with perennial water availability favour integrated farming system in the NE Region.
- Fisheries Department of the NE States will be the Implementing Agency.
- Registered farmers can avail financial assistance, undergo training and receive advisory services.

Mode of Implementation

Registered paddy farmers in a village will be grouped into clusters and the major components of the project will be established by the Implementing Agency as a common facility and used by the farmers on a shared basis.

Probable Unit Cost & Pattern of Assistance

Sl No	Components	Unit Cost (Rs)	Funding Pattern for North East States		
			NFDB	NE State	Beneficiaries
1	Brood-stock Pond	As per actual, limited to eligibility	54%	6%	40%
2	FRP Hatchery for Breeding				
3	Nursery & Rearing Ponds				
4	Grow-out in Paddy Field (Trench)				
5	Transport Vehicle (3- or 4-Wheeler)				
6	Capacity-building/Training (3-day, 50 per batch)	1.25 lakh	100%	---	---

Expected Outcome

As the project sites are selected in regions where agriculture is the main occupation of the residents, wherein their livelihood depends on paddy cultivation and its yield, promoting fish culture and integrating it with paddy cultivation will greatly enhance the yield and production of both fish and paddy within the same time and space. It will not only increase the farm yield, but will contribute greatly towards nutritional security and economic upliftment. The project will also act as a demonstration and encourage other farmers in the village and the neighbouring villages to take up similar activities.



National Fisheries Development Board

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