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Fish Farming in Natural Reservoir Under Dry Land Condition

1. **Name and Address of farmer:** Sri Uday Singh S/o Late Nema Singh
resident of Murma village of block Satbarwa, Palamu, Jharkhand

Education : Non-Matric, Age 43 Years



2. **Area of intervention:** Fishery Science - Natural Resources Management.

3. **Agro-ecology, Farming Situation Analysis with Problem Statement:**

The district falls under semi-arid zone and received monsoon rains during June to September with an average rainfall of about 1257 mm against the state average of 1340 mm.

4. **Problems** –The farmers of this district are not aware of new technology like soil health management, water management & natural resources management.

5. **Justification:** District has large number of ponds where fish farming is in practice without scientific management of the reservoir. Most of the rain water losses through run off and availability of water in pond is restated for 9 to 10 months. Under this adverse situation Sri Uday Singh S/o Late Nema Singh started fish farming (in Cage) after getting training from KVK Palamu.

6. **Economics**

Impact factor	Before Adoption	After Adoption
Farmer Practice	Traditional system	Improved technology
Yield of Product (Qt)	9 qt	16.5 qt
Fixed Cost (Rs)	26000	72000
Recurring Cost (Rs)	6000	24000
Boat	-	165000
Food Shop	20000	155000
Gross Income (Rs)	155000	567500
Net Profit (Rs)	123000	471000
B:C Ratio	4.2:1	5.9 :1
Marketing	Local	Inter district
Dissemination of knowledge in the locality	Village level	District level

In convergence with Fisheries department, Daltonganj 15 cages were installed in the Malay dam and now Sri Uday Singh is getting 5.5 qt. (Av.) fish per cage and sell them in market @ Rs. 150/Kg from 3 cages.



Sri Uday Singh with cage



Fish harvested for sell in market



Sri Uday Singh with Boat



Sri Uday Singh at stall