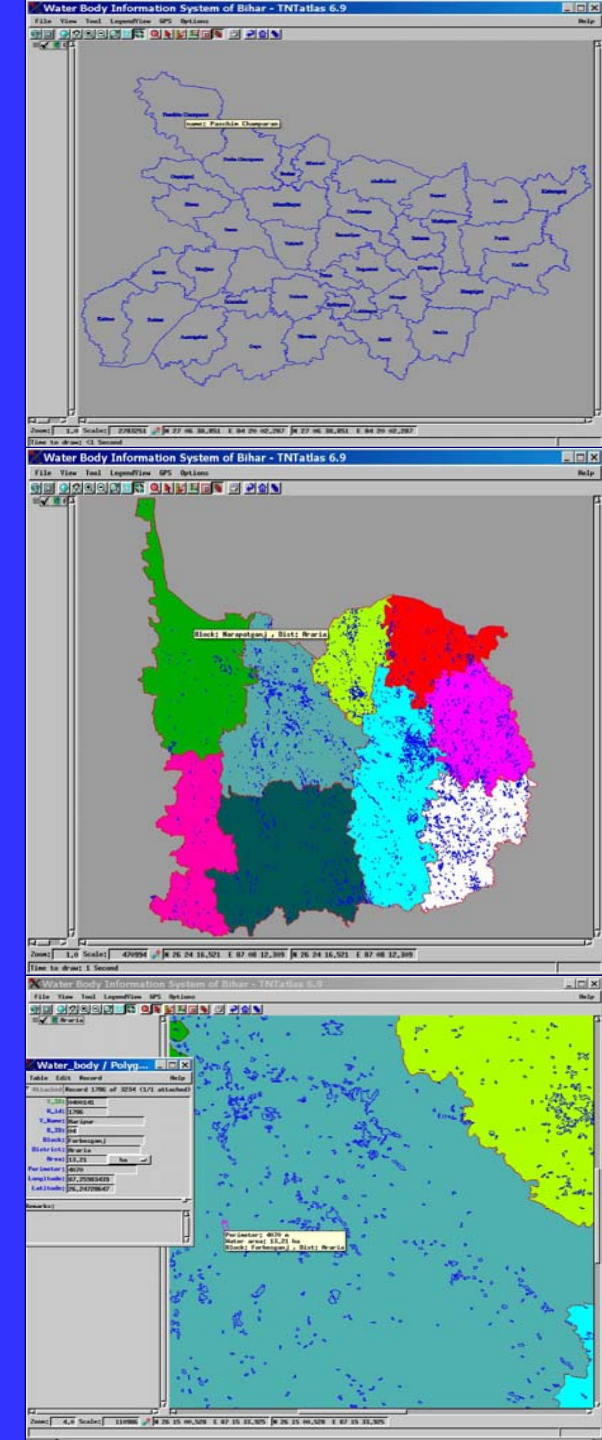


FISHERIES SECTOR

FISHERIES

- Diverse aquatic systems and rich biodiversity
- Inland fisheries resources:

Rivers:	3,200 km
<i>Chaur</i> s & Floodplains:	100,000 ha
<i>Mauns</i> :	9,000 ha
Reservoirs:	7,200 ha
Ponds & Tanks:	69,000 ha
- Annual fish production: 2.6 lakh t
- Annual demand for fish: 4.5 lakh t (Double fish production)
- Annual fish seed production: 35.5 crore fry
- Annual seed requirement: 104 crore fry (Triple seed production)



CATEGORISED DETAILS OF BIG WATER BODIES

Category based on Water area (Ha)	Nos.	Water Area (Ha)
0.5-10	26573	43197.00
10-50	1266	26862.29
50-100	179	13275.98
100-500	124	24796.72
500-1000	10	11713.16
> 1000	7	12229.22
Total	28159	132074.79

(Source: Satellite data through CIFRI)

Area below 0.5 Ha \approx 22,000 Ha

State Fisheries Scenario

- Annual Fish Demand - 4.56 lakh tones
- Annual Fish Production - 2.61 lakh tones
- Annual Fish Seed Demand - 600 million
- Additional Demand of Seed
for Flood plains etc. - 400 million
- Annual Fish Seed Production - 350 million

Major Issues

- **Habitat degradation in natural ecosystem**
- **Silting up of ponds and tanks**
- **Slow pace of utilization of flood plains & riverine wet lands in private sector**
- **Inadequate production of quality fish seeds**
- **Inadequate technology transfer & extension system up to Block & Village level**
- **Lack of safe, speedy & hygienic transport and marketing system**
- **Poor economic condition of stake holders / fishers and technology utilization by them**

Strategy for Development

➤ Increasing fish productivity through;

Renovation of existing tanks & Creating new ones

Bringing the Ox-bow lakes under culture - based fisheries

Development of water logged areas (Chours) as aquaculture estates

➤ Round the year availability of quality fish seeds

Proper use of existing Fish Seed Farms through Public Private Partnership

Technology up gradation of existing seed hatcheries

- **Reduce post harvest losses and establishing marketing network**
- **Quality upgrading and providing regular training to farmers**
- **Social and Economic Programmes for Fishermen under National Scheme of Welfare of Fishermen**

POLICY CHANGES AND INITIATIVES

❖ Policy Changes

- Leasing of water bodies for 5 years
- Long term leasing of water bodies for 10 years
- Long term leasing to fisheries co-operative societies also, for institutional financing to develop aquaculture
- Renovation of water bodies through Panchayats in schemes like Rashtriya Gramin Rojgar Guarantee Yojna

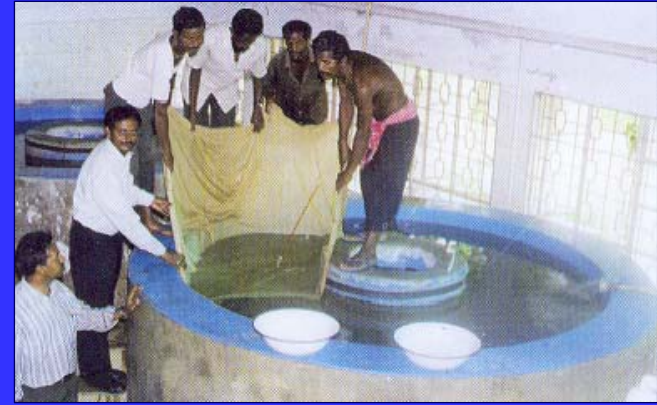
❖ Strengthening of Training Extension System

- Establishment of Farmers Training Centre at Kishanganj
- State level Training Centre at Patna

- ❖ Fish Farmers / Fishers being sent to CIFE, Kakinada (Andhra Pradesh) on specialised training from State Plan Expenditure
- ❖ Special Training Programme for fisher women in process at Kolkata for ornamental fisheries development
- ❖ Fish Seed Farms in Govt. Sector to be run by unemployed fisheries graduates on Public Private Partnership
- ❖ For speedy implementation of schemes, a separate post of Executive Engineer (Civil / Fisheries) created
- ❖ Programmes for Culture based fisheries started in ox-bow lakes

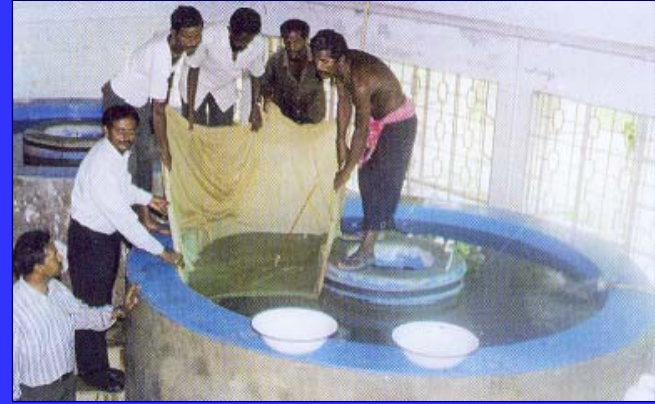
ACTION PLAN

- **Renovate ponds and tanks with dewatering and desalting with linkages with NREGP**
- **Establish pilot broods banks. DDG (Fisheries) shall give a model for the same.**
- **Establish about 50 more hatcheries in Fish Seed Farms on PPP basis.**
- **Restoration of 5000 hectare water area Oxbow lakes.**
- **Pen culture in Oxbow lakes.**
- **Restoration of 15000 ponds.**
- **Setting up of model farms for Integrated Fish Farming in all districts**
- **Arranging market and outlets.**



ACTION PLAN

- **Training and exposure to fish farmers in scientific aquaculture.**
- **Establishing training institute by ICAR in its Regional Campus.**
- **Providing qualified para extension workers for consultancy services to fish farmers. Their remuneration from farmers on the basis of increase in production. Para extension workers to provide service also on payment basis.**
- **Ice boxes and transport vans for market linkages.**



THANK YOU