

**Govt. of Bihar**  
**Department of Animal & Fish Resources**  
**(Fisheries)**



**WELCOMES YOU ALL**  
**IN**  
**THE 11<sup>th</sup> FIVE YEAR PLAN**

# INTRODUCTION

- ❖ Fisheries sector has an important role in overall development of Bihar. There is no dearth of natural resources in Bihar. Therefore maximum utilization Of water resources can fetch prosperity for the state.
- ❖ Fish is a nutritious food, & can be easily available to all people.
- ❖ Avenues of self employment, opportunities for a large no. of people living in rural areas.
- ❖ Sufficient & sustainable wealth generation for rural people.
- ❖ Ample opportunities for marketing inside & outside Bihar.

# FISHERIES SECTOR

## Available Resources

Sl.	Specification	Total No.	Area in Ha
1	Tanks/ Ponds	70000	69000
2	Ox-bow lakes(Maun)	48	9000
3	Reservoirs	29	7276
4	Flowing Rivers		3200 KM
5	Wet Land		100000 ha

As per satellite mapping-

132075 ha

## Per capita availability of Fish Protein

Sl.	Item	Bihar	India	World
1	Fish	1.5 kg/ yr	9.00 kg/ yr	15.00 kg/ yr

## Productivity

1. Average Production per ha/year-800/ha/year
2. National Productivity – 2500 kg/ha year
3. Production from developed water bodies – 2300 kg/ha/year
4. Annual Demand- 4.56 lakh MT
5. Total Fish Production - 3.06 Lakh Ton

Import of Fish from Neighbouring States- 1.5 Lakh ton  
(Value Rs. 1050 Crore)

Revenue from Govt. Water bodies – 7.00 Crore

# INFRASTRUCTURAL FACILITIES

Sl.	Facilities	Available	Remarks
1	No. of Fish Seed Farm	121	
2	No. of Hatcheries a) In Govt. Sector b) In Corporate Sector c) In Private Sector	1 2 40	
3	No. of Training Centres (Kisanganj, Rohtas, Nawada, Khagaria, Supual , Banka)	05	
4	No. of Fish Farmers Dev. Agencies	38	
5	No. of Fish Feed Mills	110	
6	No. of Hatcheries	97	Sanctioned
7	No. of Fishermen Co-operative Societies-- Regd. under 1935, Co-operative Act Regd. under 1996, Co-operative Act	Nos/Members 390/40000 911/250000	

# Physical Target & Achievement

Sl.	Item	Target 10 <sup>th</sup> Plan	Achieve 10 <sup>th</sup> plan	Target 11 <sup>th</sup> plan	Target			Achievement		
					07-08	08-09	09-10	07-08	08-09	09-10
1	Fish Production (Lakh Ton)	3.50	3.00	4.50	3.00	3.15	3.25	2.82	3.065	3.07
2	Fish Seed Production (in millions)	600	400	640	450	460	470	429	329	341
3	No. of Fishermen Covered under “Group Insurance Scheme” (In Nos)	40000	40000	50000	50000	50000	50000	50000	50000	50000
4	No. of Fishermen Covered under “Jan Shree Bima Yojna” (In Nos)	-	-	-	-	20000	20000	-	20000	20000
5	Construction of Fish Seed Hatchery	25	23	150	20	20	50	17		97
6	Fish Feed Mill (In Nos)	-	-	200	20	20	100	-	-	110

# Policies to be adopted

- Conservation of Water in Tanks & Ponds.
- Intensive/Semi- Intensive Fish Culture in Tanks & Ponds/
- Provision of Inlets Outlets in Mauns & Rivulets.
- Culture based Fisheries in Mauns/Chours by stocking fingerlings/yearlings.
- Enhancing of Fish Seed Production upto 650 million.
- Infrastructural Dev. Of Fish Marketing
- Training of Fish Farmers to acquaint them with latest know-how of Fish Production.
- Dev. of financial support to pisciculturists.
- Insurance of Fish Crops.
- Creation of New Fisheries estate.

# Action Points

- **To Develop Pond Aquaculture-** Water areas below 10 ha to be brought under composite culture and bringing them into scientific composite culture and achieving annual production level upto 3000 kg/ha/year.
- **Culture Based Fisheries Enhancement In Ox-bow Lakes-** Special drive for renovation and restoration of Ox-bow lakes to make them suitable for fish culture and to get annual yield of 600-1000 kg/ha/year by stocking 3000 fingerling per ha.
- **Development Of Waterlogged Areas-** To develop and brought under Semi-intensive culture through Inland Fisheries and Aquaculture Scheme .
- **Reservoir Fisheries-** Management of reservoir shall be done on culture based fisheries, optimum stocking , density of size of seeds and co-operative based management to enhance present level of production.
- **Quality Seed Throughout The Year** – Quality fish seed is most critically required inputs for aquaculture. Adequate supply of good quality fish seed through out the year assumes importance by commissioning of 100 new carp hatcheries , creation of 500 ha of Nursery and rearing space .
- **Diversification of Aquaculture Activities** – To encourage fresh water from farming ornamental fish culture and propagation of ornamental aquatic plants and air-breathing fish culture.



# Action Points

- **Integrated Fish Farming** – To encourage fish farmers towards integrated farming like fisheries, poultry , duckery, cattle rearing and piggery.
- **Marketing and Value Edition-** To develop marketing infrastructure .
- **Social & Economic Securities to Active Fishermen/Women-**
- **Resource Utilization.**

# Explanation for short fall

- Poor physical status of majority of ponds.
- Heavy siltation of ponds.
- Lack of Technical know-how
- Regular occurrence of flood & drought.
- Lack of quality fish seeds.

# Plan Schemes

Sl.	Name of schemes	Outlay 11 <sup>th</sup> plan	Outlay (in lakhs)		
			2007-08	2008-09	2009-10
A. Centrally Sponsored Scheme State Share					
1	Development of Inland Fresh Water Aquaculture (C75:S25)	196.00	16.65	15.00	18.00
2	Group Accident Insurance Scheme (C50:S50)	80.00	3.50	14.00	17.50
3	Training & Extension Scheme (C-80 : S-20)	10.00	-	5.00	5.00
4	Fishermen Housing under National Welfare Scheme (C-50 : S-50)	406.40	29.02	43.50	85.00
5	Inland Fisheries Statistics & Information Networking (C-100: S-0)	50.00	17.00	13.50	8.50

# Plan Schemes

Sl.	Name of schemes	Outlay 11 <sup>th</sup> plan	Outlay (in lakhs)		
			2007-08	2008-09	2009-10
B. State Plan					
1	Strengthening of Fisheries Organization	135.50	46.92	894.50	663.00
2	Production & Supply of Quality Fish Seed	3516.35	49.50	360.00	826.00
3	Maun Development Scheme	1300.00	498.00	200.00	479.00
4	Fish Marketing Scheme	1850.00	5.57	20.00	35.00

# Plan Schemes

Sl.	Name of schemes	Outlay 11 <sup>th</sup> plan	Outlay (in lakhs)		
			2007-08	2008-09	2009-10
B. State Plan					
5	Fisheries Extension Scheme	1491.00	68.40	179.00	469.00
6	Crop Insurance Scheme	1080.00	-	-	-
7	Strengthening of FFDA's	330.00	15.00	-	-
8	Fisheries Research Scheme	52.50	10.50	5.00	10.00

# Plan Schemes

Sl.	Name of schemes	Outlay 11 <sup>th</sup> plan	Outlay (in lakhs)		
			2007-08	2008-09	2009-10
B.	State Plan				
9	Assistance under SCP	65.00	-	14.00	25.00

# Plan Schemes

Sl.	Name of schemes	Outlay 11 <sup>th</sup> plan	Outlay (in lakhs)		
			2007-08	2008-09	2009-10
C. RKVY					
1	Maun/Chaur Dev. Scheme		303.00		
2	Para Extension workers		840.00		
3	Physical Survey of Ponds		26.00		
4	Establishment of Aquarium house		5.00		
5	Installation of FAX Machine		3.42		

# (Sanctioned Schemes During 2009-10)

Sl.	Name of Schemes (State Plan)	Allocation in lakhs	Actual Expenditure in lakh
1	Strengthening of Fisheries Organization	663.00	630.07
2	Production & Supply of Quality Fish Seed	826.00	556.30
3	Maun Development Scheme	479.00	385.27
4	Fish Marketing Scheme	35.00	-
5	Fisheries Extension Scheme	269.00	162.16
6	Crop Insurance Scheme	200.00	-
7	Development of Inland Fisheries & Aquaculture	18.00	10.00
8	Fisheries Research Scheme	10.00	9.93
9	Assistance under SCP	25.00	25.00
10	Group Insurance Scheme	17.50	17.25
11	Development of Model Fishermen Villages	85.00	14.09
12	Fisheries Training & Ext. Scheme	5.00	-
13	RKVY	200.00	200.00
	<b>Total</b>	<b>2832.50</b>	<b>2010.07</b>



## (Sanctioned Schemes During 2009-10)

Sl.	Name of Schemes (Central Sponsored Scheme) (GOI Share)	Allocation in lakhs	Actual Expenditure in lakh
1	Fish Farmers Dev. Scheme (75:25)	34.00	10.00
2	Housing for Fishermen (50:50)	85.00	14.09
3	Marketing Scheme (75:25)	105.00	-
4	Fisheries Training & Extension Scheme(80:20	20.00	-
5	Inland Fisheries Statistics	8.50	-
	<b>Total</b>	<b>252.50</b>	<b>24.09</b>

# Plan Schemes Proposed Schemes (2010-11)

Sl.	Name of Schemes (State Plan)	Allocation in lakhs
1	Strengthening of Fisheries Organization	767.75
2	Production & Supply of Quality Fish Seed	1050.00
3	Maun Development Scheme	500.00
4	Fish Marketing Scheme	150.00
5	Fisheries Extension Scheme	470.00
6	Crop Insurance Scheme	260.00
7	Development of Inland Fisheries & Aquaculture	35.00
8	Fisheries Research Scheme	42.00
9	Assistance under SCP	35.00
10	Group Insurance Scheme	20.00
11	Development of Model Fishermen Villages	285.00
12	Fisheries Training & Ext. Scheme	5.00
13	RKVY	1000.00
	Total	<b>4619.75</b>

# Plan Schemes Proposed Schemes (2010-11)

Sl.	Name of Schemes (Central Sponsored Scheme) (GOI Share)	Allocation in lakhs
1	Fish Farmers Dev. Scheme (75:25)	105.00
2	Housing for Fishermen (50:50)	285.00
3	Marketing Scheme (75:25)	450.00
4	Fisheries Training & Extension Scheme(80:20)	20.00
5	Inland Fisheries Statistics	27.00



**Thank You**