

ACTIVITIES OF FISHERIES & ARD DEPARTMENT FOR THE YEAR 2007-08

The Department of Fisheries & Animal Resources Development came into being in the year 1991 after being bifurcated from the erstwhile Forest, Fisheries & Animal Husbandry Department vide General Administration Department Resolution No.28038/Gen. Dt.10.10.1990.

The Department aims at promoting fishery potential of the State and to step up export as well as increase milk, egg and meat production through various means in addition to providing Veterinary Services to a large number of livestock populations.

The Department aims to achieve its objective through the following measures:-

1. Enlarging Inland Water Resources for Pisciculture.
2. Maximizing utilisation of Brackish Water Resources in an eco-friendly manner.
3. Harnessing Marine Resources in greater proportion to reach MSY (maximum Sustainable Yield).
4. Adapting modern technology for Pisciculture.
5. Improving professionalism through exposure visit/training/counselling.
6. Forming Cooperatives for community participation and expanding market potential.
7. Encouraging private sector to take up Scientific Farming adopting latest technology.
8. Encouraging creation / development of infrastructure through PPP mode.
9. Improving potential of local breeds.
10. Dissemination of new technology.
11. Better management of animal nutrition and health.

12. Increasing productivity through genetic up gradation.
13. Expansion of Livestock Sector activities.
14. Strengthening of Orissa Biological Product institute for production of life saving Biological Vaccine & Medicines.
15. Strengthening preventive disease control mechanism
16. Increasing self-employment under both Fishery & ARD Sector.

The Fisheries & ARD Department is basically a service sector and extension oriented technical Department. It consists of two sectors namely Fisheries Sector & Animal Resources Development Sector. The sector-wise information is as follows:

BUDGET

The budget allocation for the year 2007-08 is indicated below

(Rupees in Lakhs)

Head	Secretariat	Fishery Sector	ARD Sector	Total
Non-Plan	370.46	2229.36	9579.93	12,179.75
State Plan	-	1500.25	611.15	2,111.40
Centrally Sponsored Plan	-	1654.33	888.83	2,543.16
Central Plan	-	98.00	1624.13	1,722.13
	370.46	5481.94	12704.04	18,556.44

FISHERY SECTOR

The plan, programme and policies of Fishery Sector are carried out through the Directorate of Fisheries, Orissa, which was created in the year 1956. Through the Directorate, the Fisheries & ARD Department promotes Scientific Aquaculture and commercial exploitation of capture sources in the State and look after the welfare of Fisher fold.

ACTIVITIES IN FISHERY SECTOR

The Fishermen population of the State is about 10.84 lakhs. The economic status of the fishermen is generally below the poverty line (BPL).

About 80% of the State populations are fish eaters. The annual per capita fish consumption is 8.44 Kg. (Provisional). During 2007-08 the total fish production of the State is about 2,25,102 M.T. (Provisional). The marine fish production of the State during 2007-08 (up to December,2007) is about 99553 M.T.

1. Fresh Water Pisciculture and Brackish Water Aquaculture

The State has vast potential for Fresh Water and Brackish water Aquaculture. It has Fresh Water Ponds and Tanks covering water area of 1,17,913 hectare Lakes and Swamps of 1,80,000 hectare, Rivers and Canals of 1,71,186 hectare and Reservoirs of 1,97,472 hectare.

After framing of State Reservoir Fishery Policy in the year 2003, 138 Reservoirs above 40 ha. Mean Water Spread Area (MWSA) have been transferred to Fisheries & ARD Department for Scientific Intervention and 467 reservoirs below 40 hectare Mean Water Spread Area have been transferred to G.Ps for Pisciculture. During the year 2007-08, 1375 nos. of SHGs have been formed and 1460 nos. of GP tanks have been leased out to them. For taking Pisciculture In KBK districts a massive reservoir development programme has been undertaken under Revised Long Term Action Plan (RLTAP) through Special Central Assistance (SCA). During 2007-08, 88 nos. of reservoirs have been leased out to SHGs, PFCS and Individuals. In turn an amount of Rs. 27,77,772.00 has been collected as lease value.

Fish Farmers Development Agencies (FFDA) have been created in all the districts of the State to promote Pisciculture on scientific basis and to provide technical, financial and extension assistance to the fish farmers. Since 2004-05 the Brackish Water Pisciculture is being promoted through FFDA under Macro

Management System. The FFDA is encouraging Scampi (Fresh Water Prawn) Culture, Poly culture and Integrated Farming through NABARD approved schemes.

To improve Inland Fishery the Department has 105 Fish Farms of which 12 have been leased out to FISHFED, OPDC and private parties. Out of the Department run Fish Farms 20 are breeding farms. The present demand of fish seed in the State is approximately 70 crores. The fish seed demand is met from sources like Departmental Hatcheries, OPDC Hatcheries, Private Hatcheries and Private traders. The Fish Seed production during the year is as follows

(Quantity in lakhs):

Sl.	Sources	Spawn	Fry
1	Departmental	7632.50	1634.00
2	O.P.D.C.	5757.00	1188.00
3	Fish Fed	61.00	8.15
4	Private	12453.00	3403.03

2. **Marine Fishing**

For promoting sea fishing in the State, the Department has implemented the following regulator, extension and welfare programmes.

(i) **Orissa Marine Fishing Regulation Act (OMFRA)**

Under OMFRA, the Department regulates fishing on sea and collects revenue through registration and license fee from gill-netters and trawlers operating fishing in the sea. An amount of Rs.16, 99,372/- has been collected under this head. The Department also protects the endangered species like Olive Ridley Sea Turtles under OMFRA by imposing various restrictions on fishing and use of fishing gears.

(ii) **Welfare programme (under C.S.P. Scheme)**

- a) **Motorization of Traditional Crafts:** For the benefit of marine fishermen of the State, subsidy is provided to the fishermen for installation of outboard and inboard engines in their traditional country crafts. During the current year 200 nos. of traditional crafts have been targeted to be motorized and Rs.40.00 lakhs have been proposed to be given as subsidy to the beneficiaries under this scheme against which 119 beneficiaries have been benefited during this year.
- b) **Saving-cum-Relief Fund:** - To help the marine fishermen of the State during lean period, Government provide them financial assistance. During the current financial year 15000 fishermen have been targeted to be covered under the scheme against which 14166 fishermen have been covered.
- c) **Group Accident Insurance:** The programme is meant for providing financial assistance to active fishermen @ Rs.,50,000/- and Rs.25,000/- in case of death and invalidity due to accident respectively. During this financial year 2,00,000 nos. of fishermen have been covered under this insurance scheme.

3. **Low Cost House Under NWFF (National Welfare Fund for Fishermen)**

This is a Centrally Sponsored Plan scheme which envisages better living amenities for the poor fishermen. In this scheme, model fishermen villages are created providing low cost house, drinking water facility through tube-wells and construction of community hall. This scheme is continuing since 1987-88. Till date, the achievements are as follows:

Funds allotted for construction of LCH (nos.)	2332
Low Cost Houses (Complete)	1984
Low Cost Houses (In progress)	348
Community halls	01
Tube wells	32

4. Self Employment Programme

During 2007-08 it was targeted to provide self-employment to 2011 persons and wage employment to 6258 persons through different fishery related sectoral programmes. Against the said target by the end of December 2007 the achievements are 591 and 1734 respectively.

5. Janashree Bima Yojana

The Department is implementing Janashree Bima Yojana of LIC of India in every Block of the State from the year 2002-03. During 2007-08 up to end of December'07 the enrolment figure of fishermen is 536.

6. Activities of OSFCF Ltd. (FISHFED)

The FISHFED is an apex body of all Primary Fishermen Cooperative Societies in the State, which looks after the Socio-economic interest, as well as welfare of the poor fishermen of the State. There are 333 nos. of Primary Fishermen Cooperative Societies comprising 70,000 fishermen and women members under the control of the FISHFED.

In order to achieve the objective, the Federation is involved in a variety of business activities like marketing of fish production, fishery inputs, lease of fishery sairats in Chilika, products of fish and fish seed, development of infrastructure for fish marketing maintenance and management of Fishing Harbour, Fish Landing Centres and Jetties etc.

7. Activities of OPDC Ltd.

The Orissa Pisciculture Development Corporation is the only public sector undertaking in the Fisheries Sector, which was formed in the year 1998 after amalgamation of two erstwhile Corporations going by the name Orissa Fish Seed Development Corporation Ltd. and Orissa Maritime Chilika Area Development Corporation Ltd. The main objective of the Corporation is to carry on business in Pisciculture and to deal with fish net webbing and supply of fuel and lubricants to

fishing vessels. During the year 2007-08, this PSU has generated Rs. 2719.97 lakhs from fish & fish seed, net webbing and diesel trading.

8. Creating and strengthening of Infrastructure for Fishing

Harbour/ Jetties and Fish Landing Centres

The Department is taking steps for creation and strengthening of Infrastructure of FH/Jetty & FLCs with funding support from Government of India, RIDF and ASIDE schemes. Central share for Fishing Harbour at Bahabalpur & FLCs at Balugaon and Hatabaradi has already been received for implementation of the projects. Upgradation of Dhamara fishing harbour under FAO/ TCP Programme is being taken up.

Development of Approach Road in all 63 Landing Centres covering a distance of 318.80 Kms. is being taken up by several line departments. Some of the road works are completed and rest would be completed availing assistance from TFC.

Action has already been taken for electrification of all the non-electrified FH/FLC under Rajib Gandhi Gramina Bidyutkaran Yojana. Decision has been taken for installation of 30 nos. of Potential Fishing Zone Display Board in phased manner in the Major fishing harbours to enable the fishermen to hunt for easy fishing ground. Fishing Harbour Management Society has been formed for smooth operation & management of Dhamara Fishing Harbour.

ARD SECTOR

To improve the Socio-economic standard of the general public, different Animal Husbandry and Dairy Development Programmes are being implemented through Fisheries and ARD Department. By these programmes the unemployed youths are getting employment opportunity.

To provide nutritional food, the department aims at increasing the milk, egg & meat production of the state through scientific breeding , feeding and management practices. The Artificial Insemination Programme is one of the most

important activities along with disease control programmes i.e. treatment, preventive vaccination. Fodder development is also one of the key activity. For upgradation of local stock Artificial Insemination through Frozen Semen Technology has been adopted in the State.

During this period the activities of the department are as follows:

❖ No of Frozen Semen A.I centres	4374
❖ No. of Cows & Buffaloes Artificially Inseminated	650473
❖ No. of cross-bred progenies born	264893
❖ No. of Animals Treated (in '000 Nos)	3452
❖ No. of Animals vaccinated (in '000 Nos)	11505
❖ No. of Animals treated against Infertility (in Nos)	34140
❖ No. of Animals Castrated (in '000 Nos)	314
❖ Milk Production during the period ('000' M T)	1043.76
❖ Egg Production during the period (Million Nos)	1082.05

PRODUCTION OF VACCINES

There are two Biological Products Institutes at Bhubaneswar and Berhampur functioning in the state. During the period the following vaccines are produced and supplied to different districts for vaccination.

➤ H.S.Vaccine (Alum)	5560000 doses	ASV	599500 doses
➤ B.Q.Vaccine	3940000 doses	ENTV	332800 doses
FDRDV (R2B)	1149000 doses	FDRD (FS)	20000 doses
		FDFPV	49500 doses

➤ **DAIRY DEVELOPMENT**

Installation of one Milk Powder plant at BBSR is at the verge of Completion. The IDDP Phase IV , V ,VI Clean Milk Production under STEP is being implemented through OMFED under the financial Assistance by Government of India

POULTRY DEVELOPMENT

Action is being taken to strengthen the departmental Poultry & Duck Breeding Farms of the state through Govt. of India financial assistance.

FODDER DEVELOPMENT

During this period under report 7220 numbers of minikits have been supplied to farmers for Kharif season from State Fodder Seed Production farms. Where as for Rabi seasons 13600 minikits have been supplied .29792.31 Quintals of green fodder have been produced in the Departmental LBD & Seed production Farms . The Receipt amounting Rs. 19.21 lakhs has been collected from the sales Proceed of the said Farms and deposited in the Govt.Treasury.

LIVESTOCK BREEDING FARMS

➤ No. of Breeding Farms	8
➤ No. of Cows in milk	134
➤ No. of Dry Cows	102
➤ No. of Heifers not Calved	124
➤ No. of Bull Calves	23
➤ No. of Suckling Calves	108
➤ No of Bullocks & others.	3
➤ Milk production	248537.30 Ltrs

SMALL ANIMAL DEVELOPMENT:

The department is having 2 Sheep breeding farm, 2 Goat breeding farm,1 Piggery breeding farm to supply graded progenies to the beneficiaries for up-gradation of local breeds. Steps have been taken to strengthen the existing Small Animal Farms of the state in phased manner.

INFORMATION AND PROPAGANDA.

In order to create awareness among the masses on A.H activities, the Department is conducting regular Exhibition, Audiovisual programmes, propaganda through A I R and Door Darshan including publication and free distribution of Booklets, Leaflets and Posters. The achievements are as follows:

Electronic media coverage

• No. of Programmes broad casted in AIR	123
• No. of programmes Telecasted in Door Darsan	176
• No. of Radio spots broadcasted -- -- -- --	5
• No. of Gramsat Programme Organised through ORSAC	9
• No. of phone in Programme in DDK	4
• No. of Film shows conducted	16
• No. of documentary CD prepared	6

Print media coverage

➤ No. of Printing materials distributed	83445
➤ No. of A.H bulletin (bi monthly) distributed	24000
➤ No. of Advertisement floated in news paper	70
➤ No. of articles published	27

Other activities:

1. No. of Farmer's training Programme organised == ==	376
2. No. of Go Sambardhana week celebrated =	30
3. No. of animal health camps organised == ==	376
4. No. of cattle show Organised	32
5. No. of exhibitions conducted	9

UTKAL GOMANGAL SAMITI

The aim and objective of the Samiti is to promote A.H. activities in the state by providing graded bulls for natural service in the interior areas of the state. The

organisation has produced and supplied 4026.37 Qtls of cattle feed to the departmental L.B.D farms. By UGS 107 Buffalo Bulls and 105 Cattle Bulls have been supplied to different districts of the State.

SOCIETY FOR PREVENTION OF CRUELTY TO ANIMALS (SPCA)

The aim and objective of the SPCA is to prevent animals and birds from cruelty as well as to provide help to distressed animals. During the period under report the SPCA has prosecuted 818 nos. of cases under provision of PCA Act, 1960. The No. of the warning cases issued to the offenders 1142 and No. of cases convicted is 383. A Sum of Rs. 40750/- have been collected as fine and deposited in Govt. Account by the concerned Court. The society also organized 137 awareness programme and 9 health camps on animal welfare.

INTEGRATED SAMPLE SURVEY

It is a Centrally Sponsored Scheme with 50% Central assistance. The aim of the scheme is to estimate the major livestock products such as milk, egg and meat through Sample survey technology. So far 900 villages have been enumerated for detail survey. It is estimated that 1043.76 TMT of milk and 1082.05 million eggs have been produced in the state during the period under report.

SPECIAL DEVELOPMENT PROGRAMME

6. KBK PROGRAMME:

The following Physical achievements are done in the KBK districts during the period under report.

❖ No. of Cows & Buffaloes Artificially Inseminated	82715
❖ No. of cross-bred progenies born	22492
❖ No. of Animals Treated (in '000 Nos)	586
❖ No. of Animals vaccinated (in '000 Nos)	2593
❖ Milk Production during the period ('000' M T)	183.36
❖ Egg Production during the period (Million Nos)	214.96

2. NPCBB:

Under NPCBB (National Project for Cattle & Buffalo Breeding) necessary steps have been taken for engagement of “GOMITRA” under self-employment programme to provide Doorstep AI facilities to the farmers. At present 1242 Gomitras are being engaged and 290 Gomitras are undergone training. During this period 40 VAS’s, 100 LI’s and 160 Gomitras have been imparted refresher training. By NPCBB Programme. 91 buffalo bulls have been supplied to different districts for natural breeding purpose.

3. USERS CHARGES COLLECTED

A sum of Rs. 3011098.00 has been collected up to Dec’07 as users charges and deposited in the OLRDS Account.

4. ASCAD:

A centrally sponsored plan Scheme- Assistance to State for Control of Livestock Diseases” is functioning in the state with a provision of Rs 705.32 lakhs with Rs.540.74 lakhs of Central assistance during 2007-08. Provision have been made to strengthen Orissa Biological Products Institute (OBPI) and Clinical Investigation Laboratory (CIL) through this programme

5. INFORMATION TECHNOLOGY

Under the IT Programme OCAC is entrusted for the work of computer automation of this Department . The IT initiatives of the Department is under Progress.

6. EMPLOYMENT OPPORTUNITY GENERATED

In the State the poor people who are benefited indirectly by adapting A.H activities i.e through self employment programme are given below.

The achievement on Self Employment Programme for the year 2007-08
(Upto the Month of Dec.'07)

Sl. No	Programme	Total
1	SGSY	22,840
2	PMRY	1,255
3	KSK	908
4	Self Empl.	561
5	Others	586
6	General finance	3,049
7	ITDA	1,194
8	OSFDC	505
9	Private Finance	1,451
10	SC/ST Finance	101
11	NWDPRRA	08
12	MADA	25
13	RODC	49
14	Bonda Dev. Agency	961
15	Any other Finance (SHG)	250
16	RSVY	27
Total		33,770