



GOVERNMENT OF ODISHA

ANNUAL ACTIVITY REPORT 2014-15



**DEPARTMENT OF FISHERIES
&
ANIMAL RESOURCES DEVELOPMENT**

Annual Activity Report 2014-15



Directorate of Fisheries, Odisha

Annual Activity Report: 2014-15

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ANNUAL ACTIVITY REPORT

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**Animal Resources
Development Sector**

1.0 ANIMAL RESOURCES DEVELOPMENT SECTOR PROFILE

1.1 Introduction

Animal Husbandry Sector plays a prominent role in socio-economic development of the State. The sector has the potential of providing the much needed insurance against the crop loss frequently occurring due to natural calamities in Odisha. This Sector has also the highest potential for rural self-employment generation with lowest possible investment per unit. Development of Livestock Sector therefore, is critical to rural prosperity. The sector is contributing immensely to large number of cultivators, small farmers, marginal farmers, BPL families and agricultural labourers. Livestock production in general is highly women centric as most of the animal husbandry activities like the care and management of milch animals, milking of dairy animal, grazing of small ruminants are done by women and most of the labour engaged in rural livestock production are women.

Apart from providing a subsidiary income to the families, rearing of Livestock such as cattle, buffaloes, sheep, goats, pigs, poultry etc. is a source of nutrition in the form of milk, eggs and meat. Owing to conducive climate and topography, it has been found that in the time of exigencies like drought and other natural calamities, livestock comes to the rescue of the vast sections of rural population. As the ownership of livestock is more evenly distributed with landless labourers, small and marginal farmers, the progress in this sector will result in a more balanced development of the rural economy. Livestock plays a vital role in providing nutritive food to families both in rural and urban areas. Bullock power continues to be the main source of draught power for agricultural operations and transport of agricultural products to nearby markets and is likely to remain so for a long time to come.

The Government of India has been supplementing efforts of the State Governments in the development of animal husbandry, dairying and fisheries sectors and providing assistance to the State Governments for control of animal diseases, scientific management and up gradation of genetic resources, increasing availability of nutritious feed and fodder, sustainable development of processing and marketing facilities and enhancement of production and profitability of livestock and fisheries enterprises.

Odisha is endowed with a large population of livestock. As per Basic Animal Husbandry Statistics, 2014, it ranks 9th among Indian States in egg production, 12th in meat production and 14th in terms of milk production (2013-14). Next to Agriculture, Animal Husbandry has the most important economic activity in the rural areas. Though Odisha accommodates nearly five percent of the total bovine stock of India, its total contribution to NSDP is significant.

The state has an estimated human population of about 41.94 million as per 2011 Census or 3.47% of the population of India. Approximately 85% of the population is rural. The population of Odisha has increased by about 1.4% per annum over the past 10 years compared to 2.1% for India as a whole. Total population is expected to reach 47 million by 2020. Home based animal husbandry units are a major support system for the majority of the rural poor, who are either landless or are small and marginal farmers with un-irrigated land.

The activities of the Animal Husbandry Sector have been oriented towards health of livestock and increased production of milk, meat and eggs and to provide adequate bullock power for agricultural operations. The schemes of the Animal Husbandry Sector have been formulated in pursuance to the well-laid National policies to improve the Livestock production, to fight protein hunger and to improve nutritional standards of human population and also provide technical support for the maintenance of livestock and improvement of livestock breeds. Thus, Directorate of Animal Husbandry and Veterinary Services, Odisha is rendering the services to all the sections of people, in particular weaker sections of society and play a vital role in the rural development by generating additional source of income and employment, by protecting their valuable livestock.

1.2 Financial Resources 2014-15

The financial resources are broadly divided into three categories and budget release and expenditure is summarized in Table - I to Table-III.

- 2403 Animal Husbandry
- 2404 Dairy Development
- 4403 Capital Outlay

Table-1: Budget Head 2403-A.H- Animal Husbandry

Rs. In Lakhs

Sl. No.	Resource Head	Budget Estimates Including Supplementary	Amount Released	Expenditure (Upto January-2015)
1	NON-PLAN	20,587.99	20,587.99	16,247.07
2	STATE-PLAN	6,159.09	5,337.56	2,955.52
3	CENTAL PLAN	853.05	56.40	8.11
	TOTAL	27,600.13	25,981.95	19,210.7

Table-2: Budget Head 2404-Dairy Devt. - Animal Husbandry

Rs. In Lakhs

Sl. No.	Resource Head	Budget Estimates Including Supplementary	Amount Released	Expenditure (Upto January-2015)
1	NON-PLAN	70.25	70.25	39.18
2	STATE-PLAN	4,158.96	2,774.95	1,747.98
3	CENTAL PLAN	3038.51	1,106.80	1,106.80
	TOTAL	7,267.72	3,952.0	2,893.96

Table-3: Budget Head 4403-Capital Outlay Budget - Animal Husbandry

Rs. In Lakhs

Sl. No.	Item	Budget Estimates Including Supplementary	Amount Released	Expenditure (Upto January-2015)
1	Capital Outlay	6487.39	4031.62	2585.05

1.3 Vision, Mission & Goal

VISION 2020: "To excel as a holistic support system by providing, securing and facilitating effective and efficient services to become self sufficient/ surplus in milk, egg and meat by enhancing Livestock productivity along with helping the poor to secure sustainable livelihood through livestock development and management while working in close coordination and partnership with allied institutions".

MISSION:

- To make Animal Resources Development an engine of growth of the rural economy of Odisha, providing income and livelihood opportunities to the people.
- To make dairying a viable livelihood option for small, marginal farmers and landless persons by strengthening all forward and backward linkages.
- To enable poor farmers to improve the productivity of animals like sheep, goat and pig.
- To make backyard poultry a popular and viable subsidiary farming activity in rural area
- Achieve self sufficiency/ surplus in milk, meat and egg production
- Enhance per capita availability of milk, eggs, and meat including poultry meat.
- Enhance availability of feed and fodder for economic dairy farming.
- Provide efficient veterinary services at the door step of the farmers.

GOALS:

- Create employment opportunity for 5 lakh farmers in ARD Sector within 10 years.
- Increase milk production from 1.5 million MT to 3 million MT in the next five years and 4.8 million MT by 2020.
- Enhance sale of milk by OMFED from 1 to 1.5 million litres per day in the next 5 years and 2 million MT by 2020.
- Increase Meat production to 110 TMT per annum by 2020.
- Increase egg production from 42 lakhs to 100 lakhs eggs per day by 2020.
- Increase poultry meat production from 70 TMT to 100 TMT by 2020.
- Fodder production 200 lakh tons per annum by 2020.

1.4 Organization hierarchy of department

The organizational structure can be viewed in two categories i.e. one at the State level which primarily involves in planning, monitoring, supervision and placement of budget whereas the field level functionaries from CDVO office to LAC level are involved in implementation and follow up of all planned activities. The organizational hierarchy is given below in the Figure-1

Figure – 1: State level hierarchy

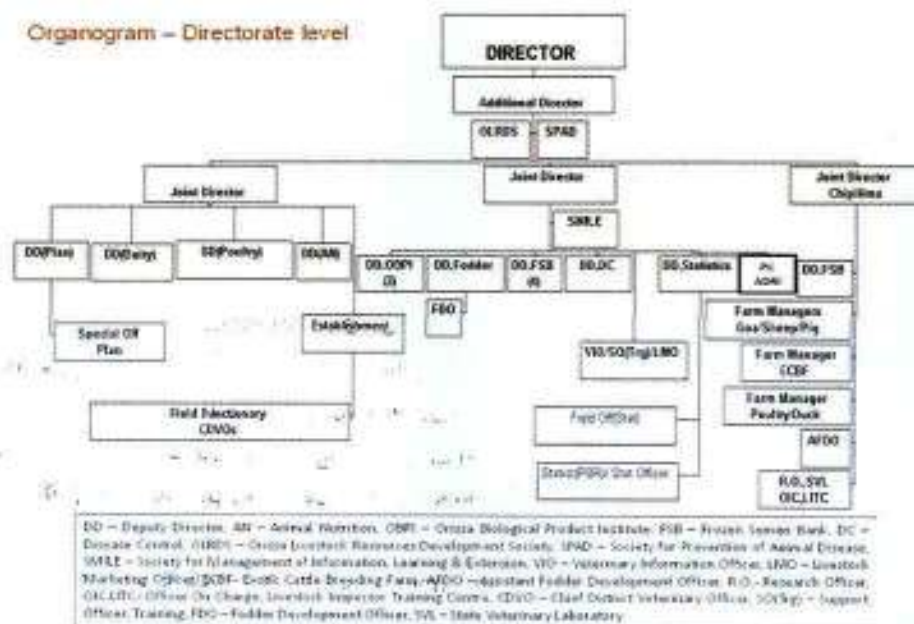
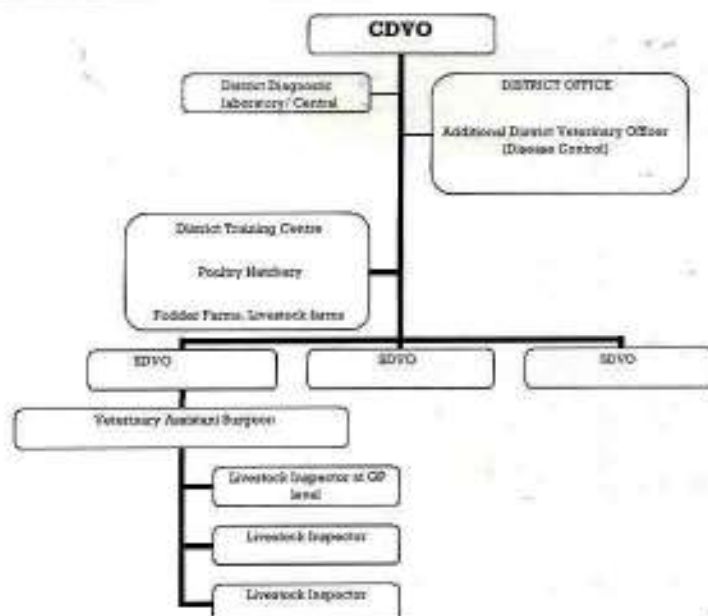


Figure – 2: Field level hierarchy



1.5 Institutional Mechanism

There are 541 veterinary hospitals/ dispensaries, 3839 livestock aid centres in the State to provide veterinary services. The Central Clinics of Orissa Veterinary College has the facilities for outdoor treatment, doorstep health and artificial insemination services on payment.

Table - 4: Departmental Infrastructure

Institution	Number
Veterinary Dispensary (VD)	541
Livestock Aid Centre (LAC)	3839
Frozen Semen A.I. Centres (VD & LAC + Other centers)	2659+3190
Clinical Investigation Laboratory, State Veterinary Laboratory	4
Animal Disease Research Institute	1
District Diagnostic Laboratory	26
Odisha Biological Products Institute	2
Department Training Centers	7
Livestock Breeding Farms	11
Poultry Breeding Farms + Duck Breeding Farms	8+2
Fodder Farms	20
Sheep breeding farm	1
Goat Breeding Farms	6
Pig Breeding Farms	1

Artificial Insemination in cattle and buffalo is carried out through 2965 departmental institutions (VD & Livestock Aid Centers), 1410 Omfed AI Centers, 620 JK trust Centers, 100 BAIF Centers and 1431 Gomitras in the state.

Table - 5: Sanctioned staff strength and vacancy as per restructuring of different Cadre

Group	Category of Post	Sanctioned Strength	In position as 31.01.2015	Vacancy
A	Additional Director	3	0	3
	Joint Director - I	6	1	5
	Joint Director -II /CDVO	37	19	18
	Deputy Director/ SDVO/ ADVO	154	12	142
	Block Vet. Officers/Other specialists	355	347	8
B	VAS/AVAS/other officers	549	463	86
	Fodder Officer(FDO-1 +A FDO-17+SAFDO-22)	40	25	15
C	Livestock Inspector and VT	3330+667	2229+368	1101+299
	Field Fodder Staff(JFDO + A.S.O./Field ASST.)	125	79	46

1.6 Supply of Livestock Outputs:

Livestock sector outputs like milk, meat, eggs has enhanced appreciably. The milk production has increased from 1282.76 TMT during 2004-05 to 1861 TMT in 2013-14. Similarly, meat and egg production has also increased from 50.52 TMT to 81.04 TMT and 1215.96 million to 2361 million respectively in the same period. The year wise production and per capita availability of milk, egg and meat is given in Table-6.

Table-6:Year-wise Production and Per Capita Availability of Milk, Meat and Eggs

Year	Production of milk (thousand MT)	Per Capita availability of Milk (Gms/ day)	Production of Animal Meat (In thousand MT)	Per Capita availability of Meat (Kg / Annum)	Production of Eggs (In Millions)	Per Capita availability of Eggs Nos/annum
2004-05	1282.76	94	50.52	1.358	1215.96	33
2005-06	1342.30	98	52.04	1.385	1278.70	34
2006-07	1431	103	55	1.45	1425	38
2007-08	1620	115	58	1.51	1549	40
2008-09	1598	112	62	1.58	1993	51
2009-10	1651	109	69	1.67	2319	56
2010-11	1670	109	74	1.76	2357	56
2011-12	1718	112	76	1.8	2301	55

2012-13	1784	113	76.72	1.78	2323	54
2013-14	1861	117	81.04	1.85	2361	54
2014-15 (Upto Jan-2015)	1584		65.00		1716.70	

1.7 Thrust areas of Animal Resources Development Department

In consonance with the strategy outlined in the Long Term Perspective Plan as many as thirteen new State Plan Schemes and two Centrally Sponsored Plan Schemes have been introduced since 2010-11. Some of the thrust areas during the current Year are explained as follows.

- ❖ Strengthening of existing Veterinary Dispensaries (VD) and Livestock Aid Centres (LAC) and opening of new LACs to ensure better infrastructure for availability of veterinary service in the field.
- ❖ Provision of Mobile Veterinary Services in the rural interior areas for effective veterinary service delivery mechanism at the doorstep of the livestock owners. The Mobile Veterinary Service is provided in all 314 blocks of the State (Under RKVY 261 Nos. & State Plan Schemes 53 Nos.)
- ❖ In order to promote dairy farming as viable economic activity, post insemination services like organization of fertility management camps in dairy intensive areas are being conducted.
- ❖ Coverage of 50 % of breedable cattle population under organized breeding through artificial insemination through department institutional network as well as through private AI workers and to cover 30 % female calves born out of artificial insemination under Calf Rearing Programme to produce 1,00, 000 Cross bred high yielding milch cow in coming 5 years.
- ❖ Creation of a pool of entrepreneurs per annum in livestock related activities by imparting 1 month training under State Employment Mission.
- ❖ Farm Machineries, equipments required for modernization of dairy farming are included in SAP-2013.
- ❖ Conservation and improvement of threatened indigenous identified cattle and buffalo breeds of the state were taken up. In order to improve economic efficiency of indigenous breeds in the areas of production and reproduction performance by introducing good quality males in the native tract of Binjharpuri, Ghumsuri, Kharlar and Motu Cattle breed and buffalo breed Chilika. & Kalahandi through selective breeding, Breeder's Societies formed and steps are being taken for identification of elite mothers.

- ❖ Keeping in view of the inadequate availability of medicines and other consumables at the field level veterinary service institutions attempts have been made for providing essential medicines at the grass root level veterinary service institutions, (Veterinary Dispensary & Livestock Aid Centers) for curative treatment of livestock. Similarly general Animal Health Camps are being organised in identified blocks of the State. The deworming of small animals is being taken up exclusively.
- ❖ Assisting the farmers for utilisation of surplus crop residues for reducing the cost of production and preservation of seasonal excess fodder for the lean period.
- ❖ Awareness campaign and buyer- seller meet have been organised to educate the farmers to practice modern and scientific methods for enhancing the productivity.
- ❖ Disease surveillance activities had been reoriented for control and containment of the contagious disease's of animals having economic and zoonotic importance like Bird Flu, Anthrax etc.
- ❖ Construction of 2 nos CDVO's office buildings, 11 nos SDVO hospital upgradation were taken up.
- ❖ Repair works of 2 Nos. of Veterinary Hospital, 27 Nos. of Veterinary Dispensaries and 150 Nos of LACs were taken up through RD Department.
- ❖ Capacity building of Animal Husbandry Departmental staff and farmers were taken up at district level and state level in order to derive adequate output for furthering the process of improvement in Animal Resources Development sector.
- ❖ Exposure visit for 53 nos. Veterinary professionals were organized to acquire advanced technology adopted in other States.
- ❖ National Animal Disease Reporting System (NADRS) have been implemented by GOI in all Block Head quarter VDs of the State for Disease Surveillance & Monitoring.
- ❖ During this year, 133.55 lakh (upto Jan-15) doses of different veterinary biological were produced in our State.
- ❖ Besides 25.00 lakh doses of PPR vaccines, 53.00 lakh doses of FMD vaccines and 10.00 lakh doses of Goat Pox vaccines were procured from outside state and supplied to field institutions for carrying out preventive vaccination as these vaccines are not produced in our state.
- ❖ Frozen Semen Bank, Cuttack have produced 6.95 lakh semen straws during the year 2014-2015 (Upto Jan-15) to be used for artificial insemination.
- ❖ During 2014-15 "National Livestock Mission" has been implemented in the State. Activities pertaining to Poultry Development, Small Animal Development, Training & Extension has been taken up in 3 submission i.e submission on Livestock Development, Fodder Devt. & Capacity Building Training & Extension.
- ❖ During 2014-15 insurance coverage has been extended to Small Animals like Sheep, Goat, Pig & draught animals like bullock, muel etc. in addition to milch animals.

2.0 Dairy Development:

2.1 Artificial Insemination in Cattle & Buffalo

The Department has taken steps to implement cross breeding programme in order to cover more breedable cattle and buffalo under organised breeding to create one lakh cross bred female calves at the farmer's house. The artificial insemination service is being rendered through a network of 2991 Departmental AI centers at the door step of the farmers. During the year 2014-15 coverage of breedable population under organized breeding is expected to be around 32%. Special attention was given for quality frozen semen for insemination purpose. There is steady increase in Artificial Insemination since last few years. The AI in Cattle & Buffaloes has been achieved by 11.73 lakhs during 2014-15 (up to Jan'15) which is 81 % of the proportionate target. During the year 2014-15 it has been estimated that 3.94 lakh progenies were born (up to Jan'15).

For genetic maintenance and further improvement of existing CB stock of the State, CB Bull production programme has been taken up in 13 districts of the State in two phases. Elite cows have been selected through Field Performance Recording and were inseminated with high pedigree semen procured from NDDB. The male calves born out of Artificial Insemination will be procured as future donors at Sperm Station.

The Frozen Semen Bank (FSB), Cuttack is the only semen producing station of the State, supplying semen to all the 30 Districts. The institution has got ISO 9001:2008 certifications and awarded with 'A' Grade by the Central Monitoring Unit of GOI. The Frozen Semen Bank, Cuttack was strengthened and modernized under RKVY assistance for production of quality frozen semen.

Presently, 21 Jersey, 47 crossbred, 21 Red Sindhi & 19 Haryana donating breeding bulls maintained at FSB, Cuttack. Total frozen semen doses produced at FSB, Cuttack during the year 2014-15(up to Jan-15) is 6.17 lakh.

The Orissa Livestock Resources Development Society (OLRDS) as State Implementing Agency is spearheading livestock breeding activities and ensuring timely and meaningful implementation of National Project for Cattle & Buffalo Breeding" (NPCBB) in the State of Orissa with the objectives to boost up rural economy and reduce the rising trend of unemployment situation through livestock production especially Dairying.

The modest service charges collected from the farmers towards artificial insemination is deposited at OLRDS to strengthen the economic viability of the Society by utilizing the amount towards Procurement of Liquid Nitrogen, Procurement of Semen Straw & Empty Semen Straw, Procurement of AI Sheath, Organization of Calf Rally.

Table-7: District-wise Performance of A.I. for the year 2014-15 (up to Jan-15)

Sl No	Name of the District	Annual Target	Proportionate target (upto Jan'15)	Achievement up to (Jan'15)	Percentage of Achievement
1	2	3	4	5	6
1	Angul	57836	46269	33638	73
2	Bolangir	60000	48000	45571	95
3	Balasore	101000	80800	73043	90
4	Baragarh	93500	74800	64423	86
5	Bhadrak	72068	57654	41119	71
6	Boudh	26288	21030	19167	91
7	Cuttack	167000	133600	122886	92
8	Deogarh	16600	13280	9674	73
9	Dhenkanal	52889	42311	29171	69
10	Gajapati	13300	10640	4798	45
11	Ganjam	83156	66525	41503	62
12	Jagatsinghpur	134643	107714	103069	91
13	Jajpur	79791	63833	39924	67
14	Jharsuguda	16299	13039	8115	67
15	Kalahandi	51000	40800	37034	92
16	Kandhamal	16631	13305	8978	66
17	Kendrapara	79171	63337	58548	92
18	Keonjhar	76525	61220	40547	66
19	Khurda	66525	53220	39844	75
20	Koraput	46344	37075	31442	85
21	Malkangiri	19603	15682	13958	89
22	Mayurbhanj	86561	69249	45211	65
23	Nawarangpur	34405	27524	24308	88
24	Nayagarh	36147	28918	22785	79
25	Nuapara	22615	18092	17041	94
26	Puri	129602	103682	87950	85
27	Rayagada	28741	22993	20846	91
28	Sambalpur	49894	39915	31489	79
29	Sonepur	33941	27153	24141	89
30	Sundargarh	49894	39915	32910	82
	Total	1801969	1441575	1173133	81

2.2 Livestock Insurance Scheme

During last year 2013-14, Livestock Insurance Scheme under Central Plan is being implemented in 9 districts covering 29927 animals. The premium of the insurance is subsidized to the tune of 50%. The entire cost of the subsidy is being borne by the Central Government.

Further, under State Plan, during the year-2013-14, the Livestock Insurance Scheme was implemented in the rest 21 districts covering 28010 animals.

The 'Risk Management' as a component of sub-mission on livestock development under National Livestock Mission (NLM) is to be implemented by Govt. of India in all the Districts of our state during the year-2014-15. This component aims towards management of risk and uncertainties by providing protection mechanism to the farmers against any eventual loss of their animals due to death; and to demonstrate the benefit of insurance of livestock to the people. The indigenous / crossbred milch animals, pack animals (Horses, Donkey, Mules, Camels, Ponies and Cattle/ Buffalo Male), and Other Livestock (Goat, Sheep, Pigs, Rabbit, Yak and Mithun etc.) will be under the purview of this component. Benefit of subsidy is to be restricted to 5 animals per beneficiary per household for all animals except for sheep, goat, pig and rabbit, where the benefit will be restricted to 5 cattle units (1 cattle unit = 10 sheep/goat/pig/rabbit).

MS / United India Insurance Co. Has been selected to take up the Risk Management activities under National Livestock Mission for coverage of different types of livestock under safety net.

2.3 Livestock Breeding Dairy Farms:

The Department has 8 livestock breeding dairy farms. The objective is to produce high pedigree bulls for breeding purpose to improve productivity of the local non-descript animals in the State through Natural Service / Artificial Insemination. These farms are also used as Demonstration unit for farmers on breeding, feeding and management of dairy animals.

Table-8: Breeds maintained at different livestock breeding farms & performance (up to Jan-15)

Sl No.	Name of Farm	Type of animals	Total Animals available	No of Bull calves supplied
1	ECB Farm, Chiplima	CBJ	99	7
2	LBD Farm, Khapuria	CBJ & pure Murrah Buffalo	69	0
3	LBD Farm, Keonjhar	CBJ	48	8
4	LBD Farm Remuna	CBJ & Pure Hariyana	47	4
5	LBD Farm, Bhanjanagar	CBJ and pure Hariyana	45	9
6	LBD Farm, Boudh.	CBJ	38	5
7	LBD Farm, Sundargarh	CBJ	37	5
8	LBD Farm, Kuarmunda.	CBJ & pure Murrah Buffalo.	70	14
		Total	453	52

2.4 Integrated Livestock Development Programme (ILDP), Kalyani

The overall objective of the programme is to provide gainful self-employment to the rural livestock keepers through dairy and livestock development programmes.

The specific objectives are:

1. Creation of awareness among farmers , about the socio-economic benefits of improving the local cattle and buffaloes;
2. Production of improved cattle and buffaloes out of the local non-descript low productive animals;
3. Generation of employment & income for rural families through milk & Meat production and its marketing;
4. Promotion of nutritional security, through enhanced supply of milk and meat

This project has following 4 main components

1. **Cattle Development Programme:** Door step livestock services are provided to the rural livestock keepers to breed the local cows by using superior dairy breeds like Jersey, Holstein Friesian & its crosses. Subsequent follow-up and input support (mineral mixture, de-wormers, etc) services are provided to make the progenies born to adult productive animal. Similar services are being provided for upgrading the local buffaloes where ever needed by using Murrah breed of semen. Till date, 100 cattle development centres have been established in 10 districts.

Table - 9: Achievements of Kalyani Project 2014-15(upto Jan'15)

Sl No	Activity	Annual Target	Achievement
1	Artificial Insemination Done	65000	49267
2	Progenies Born	20425	16078
3	Infertility Treatment Camps Conducted	300	267
4	Heat Synchronization Camps conducted	300	110
5	Farmers' Training Conducted	600	187

2. **Fodder Development Programme:** The fodder seeds/ planting material are supplied to farmers in each Cattle Development Centre operational area for raising fodder plot in their own land.9380 fodder demonstration plots have been raised covering 930.96 hectors of land in farmers' field with organization of 5494 azola pits and 1354 UTPS demonstration units have been made. 1219 chaff cutters and 9905 feeding troughs have been provided to farmers.

3. **Comprehensive Goat Development Programme:** The goat development programme have been under taken in districts of Mayurbhanj, Sundergarh, Kendujhargarh, Balangir and Deogarh. Under this programme 250 villages have been covered involving about 20000 farm families. Under this programme 1100 breeding bucks have been provided to the goat keepers for genetic upgradation of their stock. 656 goat farmers have been trained so far during this year. 148430 goats have been dewormed and 105041 goats were vaccinated against PPR and Goat Pox.
4. **Technology-Knowledge and Strategic Partnership for Development of Chipilima Fodder Farm:** Under the component the seed production farm, Chipilima has been strengthened. During this year, 40 MTs of breeders fodder seed have been produced which will be multiplied into certified seed in the farmers' field.

Table-10: The overall expenditure made in Kalyani Project

Sr. No.	Particulars	Amount in lakhs
1	Amount sanctioned	3470.98
2	Funds placed to BAIF	2455.73
3	Funds utilized	2176.94
	Balance remaining with BAIF	278.79

2.5 Dairy Schemes under State Plan:

Govt. of Odisha introduced three new State Plan Dairy Schemes during the current financial year 2013-14 and will continue up-to 2016-17.

i. Promotion of Dairy Entrepreneurship (PDE)

OBJECTIVES OF THE SCHEME

- To promote setting up modern dairy farms for production of clean milk.
- To up -grade traditional technology to handle milk on commercial scale.
- To generate self-employment and provide infrastructure mainly for unorganized dairy sector.

Table-11 :Achievement under PDE during 2014-15 up-to Jan-2015

Target	Application Sponsored	Application Disbursed	No. of application with Bank
3892	11481	1063	10418

ii. Interest Subvention on Short Term Credit support for Dairy Farmers

The scheme was intended to facilitate credit linkage for dairy farmers to avail working capital loan. Farmers pursuing Dairy Farming as an income generating activities and availing short term loan were eligible for loan at subsidized rate of interest of 5 % and additional 3 % interest subvention will be made for prompt repayment of instalments in due time. The maximum limit of loan to be availed by the beneficiaries is Rs. 3.00 Lakhs. The maximum short term loan is provided as working capital cost Rs. 20000/- per cow. The maximum period for repayment of loan under the scheme is one year.

Table-12: Achievement under Short Term during 2014-15 upto Jan-2015

Target	Application Sponsored	Application Disbursed	No. of application with Bank
8750	1865	90	1775

iii. Interest Subvention on Long Term credit support for dairy farmers

The scheme was intended to facilitate credit linkage for dairy farmers to avail term loan from banks for equipments, machineries, shed, procurement of livestock and other activities towards asset creation in dairy farming. Interest subvention of 3% of the interest rate is provided on term loan availed by the dairy farmers. Further, additional 2 % interest subvention will be made for prompt repayment of instalments in due time.

The beneficiaries who have availed dairy finance under PDE, DEDS, Self finance (except KSK) can avail interest subvention on Long Term Credit support.

Table-13: Achievement under Long Term during 2014-15 upto Jan-2015

Target	Application Sponsored	Application Disbursed	No. of application with Bank
3000	3007	211	2796

3.0 Small Animal Development:

The small animal development in the state has been emphasized to enhance the meat production by improving the existing Small Animal Resources of the state through several interventions like genetic up gradation with supply of improved bucks and rams; health care measures including routine de-worming & vaccination.

During the year 2014-15, under State plan scheme "Genetic up-gradation programme" a sum of Rs. 21.00 lakhs has been provided for strengthening of 7 Nos. of small animal farms (Sheep, Goat & Pig) to produce graded male by maintaining pure stock of locally suitable breed like Black Bengal and Ganjam. Critical intervention in small ruminant and Pig farming is availability of quality breeding males at farmer's levels for up-gradation of the indigenous sheep Goat and Pig for enhancing the production and productivity.

List of the Govt. farm:

Sl No	Name of the farm	Name of the District
1	Goat Breeding Farm, Chiplima	Sambalpur
2	Goat Breeding Farm, Kuaramunda	Sundargarh
3	Goat Breeding Farm, Deogaon	Bolangir
4	Goat Breeding Farm, Dadpaju	Kandhamal
5	Goat Breeding Farm, Jaring	Kalahandi
6	Sheep Breeding Farm, Chiplima	Sambalpur
7	Pig Breeding Farm, Chiplima	Sambalpur

3.1 National Mission for Protein Supplementation:

The National Mission for Protein Supplements is being launched from 2011-12 as a sub-sector under RKVY. The "Implementation of Goat Schemes" is being implemented by the Department in 15 districts of the State, with an objective to build the capacity of the local community member for undertaking goat production as a profitable enterprise and to promote better health care and management practices for higher productivity and higher returns.

Under this programme, during 2014-15, 271 goat units have been assisted involving 14833 Nos. Goats providing subsidy to the tune of Rs. 149.83 lakhs. Similarly, 20 goat clusters have been identified and provided with support like mass de-worming, vaccination, and supply of area specific mineral mixture for improving productivity of goats under conventional small holder / pastoral system. An amount of Rs. 100.00 lakhs have been spent in the clusters during 2014-15.



4. Poultry Development:

Poultry has been the fastest growing sector in providing employment and income to a significant number of people along with making protein supplementation for masses. The backyard poultry also play a vital role in the livelihood of millions of poor people particularly for tribal & scheduled caste. The following achievements were made during the year 2014-15.

- In order to boost backyard poultry in the state, assistance is being provided to 4190 nos. of BPL beneficiaries with establishment of 10 nos. of mother units (chick rearing units) by the end of 2014-15 in selected 23 nos. of districts with Centrally Sponsored plan scheme.
- Commercial poultry entrepreneurs had been provided with Rs 60.77 lakh towards reimbursement of VAT paid on poultry feed ingredients during the year 2014-15.
- Presently, around 67 nos. of commercial layer farms having 41 lakhs birds are running in the state with per day egg production of 36.36 lakh from these commercial poultry farms.

- Presently, about 4792 nos. of broiler farms are in operation with commercial broiler birds strength 85.63 lakh. Broiler placement are to the extent of 20 to 25 lakh DOC (day-old-chicks) per week and 18 to 23 lakh adult broiler birds per week are entering into the market for chicken purpose.
- 48 nos. of district poultry hatcheries have been established under the financial assistance of SGSY Infrastructure fund to produce day old chicks to meet the demand of Backyard Poultry Rearing scheme in the state. Out of 48 hatcheries, 5 hatcheries are functioning and successfully produced 2.76 lakh Day Old Chicks (DOC). Action has already been taken for auction of 19 nos of SGSY District Poultry Hatcheries during 2014-15.
- Under State Agricultural Policy in 2014-15, Capital Investment Subsidy amounting to Rs. 212.79 lakhs for setting up 58 broiler farms in different districts of Odisha.

4.1 Poultry and Duck Breeding Farms

There are 8 nos. of state poultry farms and 2 nos. of duck breeding farms functioning having present parent stock of 8665 low-input-technology poultry birds & 670 nos. of ducks. From these farms, 3.84 lakh nos. of day old chicks and 0.13 lakh nos. of day old ducklings are supplied to interested farmers at reasonable price.

Table - 14: Status of Govt Poultry & Duckery Breeding Farms

SL No	Name of the Farm	Year of Establishment	Area (in acres)	Strength achieved with CSP assistance	Day old Chicks produced (in lakh nos.) Upto Jan-15
1	RPF, Sundergarh	1938	32.94	2000	0.10
2	DPF, Bolangir	1966	5.00	2000	0.00
3	IPDP, Bhubaneswar	1964	18.00	2000	1.01
4	DPF, Similiguda	1966	5.00	2000	0.00
5	RPF, Koraput	1957	9.00	2000	0.00
6	PBR, Angul	1942	48.60	2000	0.63
7	DPF, Bhanjanagar	1961	3.00	2000	0.13
8	SPU, Chiplima	1966	2.00	2000	0.50
9	DBF, Chiplima	1990	6.00	1200	0.24
10	DBF, Khapuria Cuttack	1977	3.05	1200	0.01

5.0 Fodder Development

Present status of availability of feed and fodder:

The present status of the fodder availability and requirement of green and dry fodder in the State is given in Table -

Table - 15: Availability and Requirement of Green and Dry Fodder in Odisha

Feed stuffs	Supply in'000 MT	Demand in'000MT	Short fall in'000MT	Percentage of shortfall
Green Fodder	16121.750	31203.66	15081.91	48.4 %
Dry fodder	10620.831	13891.44	3270.609	23.5%

FODDER SEED PRODUCTION FARMS IN THE STATE:

The Department of Animal Husbandry & Veterinary Services has eight numbers of fodder seed production farms which are located in different Agro-climatic zones of Orissa (as mentioned below). The seed production farms were established with an objective to ensure supply of quality fodder seeds to the farmers for enhancing the productivity of fodder crops. The fodder seeds produced are being utilized for demonstration programme and fodder production in the Departmental dairy farms. Besides these, the pasture seeds produced in these farms are being sold to Soil Conservation Department, Forest Department and public for undertaking pasture development programme in the State. Till date 55.00 Qtls of fodder seeds 1672 qtls of Green fodder and 1154000 Nos of root slips have been produced from Fodder seeds production farm of the state.

Table - 16: List of Fodder Seed Farms in the State

Sl No.	Name of the farm	District	Area in Ac.	Agro-climatic zone
1	Panchamahar	Angul	100	Mid-Central table land Zone
2	Salapada	Keonjhar	100	North-eastern coastal plain zone
3	Tarbod	Nuapada	96	Western undulating zone
4	Chiplima	Sambalpur	50	Western- central table zone
5	Kathapal	Mayurbhanj	55	North-central plateau zone
6	Kurmunda	Sundargarh	30	North-western plateau zone
7	Randapalli	Koraput	25	Eastern Ghat highland zone
8	Landibandh	Boudh	60	Mid-Central table land Zone
		Total	516	

Fodder Demonstration Farms:

The state have 13 fodder farms where green fodder & rootslips of different fodder crops are being produced. The fodder and rootslips produced in these farms are sold to dairy farmers and other agencies of the State. till date these farm have produced 1193 Qtls of fodder and 345100 Nos of rootslips. The list of the farm is given below

Table - 17: List of Fodder Farms in the State

Sl. No	Name of the Fodder farm	District	Area of the farm	Agro-climatic zone
1	Bahudarada	Bhadrak	10.00	North Eastern Coastal plain
2	Hansapada	Puri	11.20	East & South Eastern Coastal Plain
3	Pipili	Puri	6.5	East & South Eastern Coastal Plain
4	Sagadi	Cuttack	20	Mid Central Table Land
5	Barimul	Kendrapada	10.90	East & South Eastern Coastal Plain
6	Badmal	Jharsuguda	5.0	West Central Table Land
7	Laxmisagar	Khurda	5.0	East & South Eastern Coastal Plain
8	Gatiroutpatna	Cuttack	25.0	Mid Central Table Land
9	Haldipalli	Bargarh	11.07	West Central Table Land
10	Ainthapalli	Bargarh	8.0	West Central Table Land
11	Mahakhand	Bargarh	8.0	West Central Table Land
12	Kakatpur	Puri	15.0	East & South Eastern Coastal Plain
13	Pratappur	Mayurbhanj	7.8	North Central Plateau
		Total	143.47	

Minikit Programme on fodder Crops

Under this programme the Government of Odisha have supply different fodder seed minikits to the districts for distribution to the farmers on free of cost. This year 4620 Nos. of minikits during kharif and 406 Nos. of minikits during Rabi season have been distributed to the farmers. Further, Govt. of India has also supplied 150 Nos. of minikits during Kharif season for demonstration purpose. Under RKVY



programme Seasonal Fodder Cultivation is taken up. During 2014-15 kharif & Rabi 10525 Nos. and 4125 Nos. of kits respectively has been distributed among the farmers of 24 districts of the state.

Enrichment of crop Residue:

This programme is being taken up by Government of Odisha to enhance the feeding quality of roughages/crop by-product i.e. to maintain the health, productivity of animals in the State. This year under Enrichment Crop Residue Programme the State Government provided Rs. 30.00 Lakhs. Under this programme 1500 Gram Panchayats has been included to take up 6000 units of crop residue programme. Till date 4250 units has been completed.



Training and Demonstration in Fodder Cultivation, Pasture Development & strengthening of Departmental Fodder Farms (State Plan):

During this year Govt. of Odisha has provided Rs. 403.00 Lakhs for strengthening the farms as well as for training of farmer. A sum of Rs. 381.63 lakhs has been utilized for Development of fodder demonstration farms and for development of infrastructure at Seed production farm. Rs. 2.00 lakhs for production of rootslip, Rs 12.47, lakhs for Production of Certified fodder seed, Rs. 3.00 lakhs for Training of farmers and Rs. 3.90 lakhs for logistic support for minikit distribution has been allotted to different DDOs. So far 196 batches (25 per batch) training was completed at district level, Infrastructure at Fodder Seed/fodder Production farm Angul and Tarbod, Nuapada, Barimul, Fodder training Centre at Fodder farm Pipili etc. have been taken up. Till date about 55 Qtls of Certified fodder seed has been produced at Fodder seed production farms .



6.0 Livestock Health Care Service Delivery:

Optimum health management of the livestock resources of the State is one of the important programmes being taken up by the department. The department with its strong network of service delivery system in form of Livestock Aid Centers,

Veterinary Hospitals and Dispensaries do exist for rendering the desired services to the livestock farmers. In addition, there are institutions like one Animal Disease Research Institute (ADRI) at Phulnakhara, Cuttack, One State Veterinary Laboratory (SVL) at Chipilima, Sambalpur, 26 Disease Diagnostic Laboratories (DDL) and 3 Central Investigation Laboratories(CIL) located at district and regional headquarters to assist the field institutions to take up the investigation and diagnostic measures for treatment and control of animal diseases.

6.1 Organisation of Mobile Veterinary Unit

The mobile Vety. Unit is operational in all the Blocks of the state to reach the inaccessible areas of the block with a team of one Veterinary Doctor, one paravet and one attendant for providing doorstep service to the farmers in order to ensure effective veterinary service delivery. The Department has introduced Mobile Veterinary Units in 261 blocks of the State under RKVY funding & 53 MVUs under State Plan. This scheme has registered a huge success due to the overwhelming response of the farming community in the remotest part of the State. The following achievement has been made under this programme.

Table - 18 - Performance of Mobile Veterinary Units up to January-2015

Name of MVU scheme	Year of starting	No. of operational MVUs	No MVU days conducted	No of village covered	Cases treated	Vaccination done
MVU-40	2011-12	40	7748	13734	4,20,972	4,19,750
MVU-65	2012-13	65	12448	21064	5,12,889	6,53,450
MVU-53	2013-14	53	10219	18559	5,30,418	8,56,770
MVU-156	2013-14	156	22803	38648	11,50,880	14,04,099

6.2 National Animal Disease Reporting System (NADRS)

The NADRS involves a computerized network integrating MIS and GIS linking each Block, District & the State headquarters to the Central Disease Reporting & Monitoring Unit at DADF, Newdelhi. All the 314 blocks, 30 CDVO offices, Animal Disease Research Institute, Phulnakhara and the Directorate of AH&VS, Odisha, Mangalabag, Cuttack have been migrated to Broadband connectivity from VPN for immediate disease reporting to the state and to Govt of India. The network connectivity at present is feasible to 307 nodes. Rest nodes will be provided with alternate network connectivity at the earliest. The regular disease reporting status stands at 188 out of 314 nodes.

6.3 Assistance to State for Control of Animal Diseases (ASCAD)

This is a continuing CSP scheme with funding pattern of 75:25 as CS: SS. The scheme is implemented to control economically important diseases of livestock & poultry by way of immunization, strengthening of existing State Biological production units and diseases diagnostic laboratories like ADRI, SVL, CIL & DDLs in order to ensure reduction of livestock casualties owing from diseases and loss to the farmers. Awareness-cum- Animal Health camps are organized both at block level and district level for disease control. Further Training Programme of Vets & Paravets is being organized to refresh their knowledge on control of animal diseases.

Table - 19: Achievement under ASCAD during the year 2014-15

Sl. No	Activities	Phy Target	Achievement (Upto Jan-2015)
1	Immunisation against economically important disease		
i	FMD Vaccine	55,00,000	26,00,100
ii	HS vaccine	82,00,000	44,30,800
iii	BQ Vaccine	55,00,000	40,33,400
iv	Anthrax Vaccine	5,00,000	14,15,800
v	ENT Vaccine	13,00,000	5,68,800
vi	Goat Pox Vaccine	17,00,000	5,68,700
vii	RD Vaccine	32,00,000	18,08,900
viii	PPR Vaccine	55,00,000	14,22,900
	Strengthening of Disease		
2	Diagnostic Laboratories		
	Strengthening of Disease Diagnostic Institutions through provision of Equipments glass wares, Stains, Chemicals & Reagents etc. (for DDL/SVL/CIL/RDIL)	31 Institutions	31 Institutions
3	Refresher Training Programme for VETs & Paravets		
i	Training for Veterinarians	15 batches	08 batches
ii	Training for Paravets	15 batches	07 batches
	Organisation of Awareness- cum-		
4	Animal Health Camps		
i	Block Level camp	628 nos.	628 nos.
ii	District Level camp	60nos.	60 nos.

Table - 20 - C.P. Programme

In order to control most economically important diseases of animals in the State like PPR and Brucellosis, following control programmes have been included under C.P.

Sl.No	Activities	Phy. Target	Achievements
1	Immunisation against economically important disease		
ii	Brucella Vaccine	50,000	Actions have been taken for procurement & utilization of 50000 doses

6.4 Vaccine production and Preventive vaccination in Livestock and Birds:

The Orissa Biological Products Institute, Bhubaneswar, an ISO 9001:2008 certified institute had produced different life saving bacterial and viral vaccines for protecting the livestock wealth in the state. One Satellite unit namely OBPI (Satellite Unit), Berhampur is also functioning to produce the Anthrax Spore Vaccine (ASV) & Enterotoxaemia vaccine (EntV). The details of production & supply of different vaccines are enumerated at Table-

Table - 21: Vaccine Production and Supply during 2014-15 (up to Jan-15)

Sl. No.	Name of the Vaccines	Target (in Lakh doses)	Name of the Manufacturing unit	Progressive Production (in lakh doses)	Progressive Supply to the field (in lakh doses)
1	H.S.V(Alum)	113.50	OBPI,BBSR	48.50	59.62
2	B.Q.V	75.24	-do-	46.36	53.53
3	RD (R ₂ B)V	39.75	-do-	12.14	19.85
4	ASV	22.10	OBPI (SU),BAM	17.48	19.77
5	ENT	13.04	-do-	9.14	9.17
	TOTAL	263.63		133.62	161.94

Table 22: Vaccine Procurement and Supply during 2014-15 (up to January-15)

Sl. No.	Name of the Vaccines	Target (In Lakh Doses)	Name of the Manufacturing Unit	Progressive Procurement (In Lakh Doses)	Progressive Supply to the field (In Lakh doses)
1	FMD (O)	60.27	IIL/Intervet	53.00	52.07
2	Goat Pox V	17.26	IAH&VB,Kolkata	10.00	9.91
3	PPR	61.55	VBRI, Hyderabad	20.00	19.93
	Total	139.08		83.00	81.91

During the current Year 44,30,800 Doses of HSV, 40,33,400 Doses of BQV, 26,00,100 Doses of FMDV, 14,15,800 Doses of ASV, 5,68,800 Doses of ENTV, 14,22,900 Doses of PPRV, 18,08,900 Doses of R2BV, 5,68,700 Doses of GPV has been utilized during 2014-15(upto January-15) for preventive inoculation of animal health against different contagious & Zoonotic diseases.

6.4 Animal Disease Research Institute

The Animal Disease Research Institute, Phulnakhara is a state level referral laboratory of the department dealing with research and diagnosis of different livestock diseases as well as disease monitoring & surveillance in the state. The institute further imparts training to the field functionaries working in different capacities of this department for up-gradation of scientific know-how. The institute also renders expertise service during the phase of different natural calamities like flood, cyclone, avian influenza etc.

Different functional Divisions / Projects of ADRI -

As of now, the Animal Disease Research Institute is functioning with the synergistic effect of following key laboratories (Divisions) and Projects/Schemes.

1. Pathology division
2. Parasitology division
3. Bacteriology division
4. Virology division
5. Bio Safety Laboratory (Level- II)
6. Herbal Division
7. Projects / Scheme such as
 - (i) "Strengthening of Disease Surveillance by ADRI"
 - (ii) AICRP on ADMAS
 - (iii) AICRP on FMD
 - (iv) ASCAD
 - (v) SPAD project on Epidemiological Study of Bovine Mastitis
 - (vi) NADRS

1. Activities of Pathology Division -

- Regular and Routine hematological study and urine analysis.
- Post-mortem examination of livestock and poultry.
- Histo-pathological examination of tissue samples



Table 23

Sl. No.	Parameters	No. of samples
1	No. of blood samples tested for haemogram study	3677
2	No. of urine samples analyzed for different biochemical study.	429
3	No. of Post-mortem conducted for poultry	3020
4	No. of P.M. conducted for large and small animals	17
	Numbers of farmers benefited	2052

2. **Activities of Parasitology Division -**

- Regular and routine testing of blood samples for blood protozoan diseases. Faecal samples / skin scrapings for endo and ecto- parasitic diseases.

Table 24:

Sl. No.	Parameters	No. of samples tested
1	No. of F/S examined in different species	1263
2	Estimation of Egg Per Gram	318
3	No. of skin scrapings examined	25
4	No. of blood smears examined for blood protozoa	7220
	Sample +ve for Theileria	1499
	Sample +ve for Babesia	01
	Sample +ve for Trypanosoma	1752
	Sample +ve for Anaplasma	22
	Numbers of farmers benefited	5768

3. **Activities of Bacteriology Division and SPAD project on Epidemiological study of Bovine Mastitis.**

- Isolation and identification of bacteria, mycoplasma and fungi along with antibiotic sensitivity study.
- Implementation of the project "Standard Therapeutic Regimen of Bovine Mastitis with respect to Epidemiological survey in field condition".

Table 25 :

Sl. No.	Name of the samples tested	No. of samples tested
		2014-15
1	No. of milk samples tested for MCMT, Culture and antibiogram study	392
2	No. of Blood samples, Uterine samples and other tissue samples tested for culture and antibiogram study	133
	Total nos. of farmers benefited for diagnosis and treatment.	489

4. **Activities of Virology Division & AICRP on FMD (Collaborative Centre)**

- Implementation of All India Co-ordinated Research Project on Foot and Mouth diseases (ICAR Project).
- Surveillance and Diagnosis of Foot and Mouth Disease (FMD) to develop a complete picture of the prevalence of the disease in the State.



Table 26:

Sl. No	Samples collected	Number	No. of tests conducted	No. of samples sent to PD FMD
1	Tongue Epithelium for s-ELISA test	01	0	01
2	Serum samples for DIVA ELISA test	1654	219	29
3	Serum samples for LPB ELISA test	1654	68	29

5. **BSL-II Lab. & Surveillance on Avian Influenza**

A.D.R.I. team have been proactively engaged for surveillance of Avian Influenza and dispatch of samples to different referral laboratories like HSADL, Bhopal and RDDDL, Kolkata for screening.

The tracheal and cloacal swabs, serum and environmental samples are collected from poultry birds, wild birds and migratory birds from water bodies like, Chilika Lake (Nalabana), Ansupa Lake and Bhitarkanika Sanctuary and dispatched to different designated referral laboratories as stated above.

The total samples collected and sent to various referral laboratories surveillance of Avian Influenza are listed below.

Table 27:

Year	Samples sent to RDDDL, Kolkata				Samples sent to HSADL, Bhopal				All Total samples sent
	Serum	Swabs	Dead birds	F/S & Env. samples	Serum	Swabs	Dead birds	F/S & Env. Samples	
2014-15	923	2767	0	169	-	-	-	-	3859

6. Activities of Herbal Division

- a. Research on indigenous medicinal plants of Veterinary importance.
- b. Maintenance of herbal garden and herbarium.
- c. Development of herbarium for identification of medicinal plants and therapeutic use.
- d. Preparation of herbal drugs for dermatitis and various skin diseases of small animals (Experimental trial).



7. Activities of different Projects / Schemes functioning at ADRI

(i) State Plan Scheme "Strengthening of Disease Surveillance by ADRI"

(a) Strengthening of Disease Surveillance

In order to strengthen the Early Warning Signal (EWS) in shape of Animal Disease Surveillance, a state plan scheme is being successfully implemented on proactive basis for control and containment of unprecedented disease outbreak and economic loss. All DDL/ CILs/ SVL are engaged in surveillance work to cover all the districts



uniformly at a time. In addition, all animal and poultry disease outbreaks are attended instantly in every nook and corner of the state for prompt diagnosis and providing effective treatment for its control/ eradication.

Table 28: The detail achievements made in this regard enlisted below.

Sl. No.	Name of the disease	No. of outbreaks	No. of animals affected	No. of animals died	No. of district affected
1	FMD(Bovine)	03	81	06	02
2	H.S.(Cattle,Sheep,Goat)	04	90	60	4
3	B.Q.	20	85	59	10
4	Anthrax	20	71	71	3
5	Goat Pox	8	172	83	1
6	PPR (Goat)	9	201	47	4
7	Enterotoxaemia	7	116	88	02
8	Foot Rot	1	25	0	1
9	CCPP	2	89	48	2
10	Theileriosis (Cattle & Buffalo)	6	24	18	2

(b) Surveillance on Bovine Spongiform Encephalopathy (BSE)

To achieve negligible status on BSE for the state, Brain samples are collected from the dead animals such as Cattle & Buffalo showing the nervous symptoms prior to their death from various villages and different slaughter houses for its screening against BSE at RDDL, Kolkatta.



Table 29:

Sl. No.	Year	No. of Brain samples collected and despatched	No. of samples found +ve	No. of samples found -ve
1	2014-15	07	-	07

(b) Surveillance on Brucellosis

Brucellosis causes abortion storm in productive dairy animals and having zoonotic importance. To assess the prevalence of Brucellosis in animals of our state surveillance is carried out. During the year 2014-15 ADRI expert team visited and collected random bovine serum samples covering all the 30 districts which were screened by RBPT & IDDEX ELISA test.

Table 30: Results of RBPT & IDDEX ELISA Test

Sl. No.	Year	No. of serum samples tested	No. found +ve	+ve Percentage
1	2014-15	2350	16	0.68

(ii) All India Co-ordinated Research Project on Animal Disease Monitoring and Surveillance (ADMAS, ICAR Project)

- To maintain a data bank on the epidemiology of economically important diseases.
- Beside outbreaks, screening of serum samples from all species of apparently healthy animals to ascertain prevalence of different contagious and zoonotic diseases.

Table 31:

Species wise serum collection for Sero-diagnosis of different diseases for the year 2014-15 (Upto Jan-2015)

	Cattle	Buffalo	Sheep	Goat	Pig	Total
Total no. of serum samples collected	321	49	64	388	06	828
+ve for Infectious Bovine Rhinotrachitis	105	09	0	0	0	0
+ve for Brucellosis	0	0	0	0	0	0
+ve for Leptospirosis	0	0	0	0	0	0

(iii) Activities under ASCAD programme (Training)

Resource persons of this institute are imparting skill up-gradation and refresher training to Veterinarians and Para-Veterinarians of the State under ASCAD programme to augment their technical-know-how since 2003 onwards. During the year 2014-15 no. of Vets and Para-vets already trained are as follows.



Table 32:

Particulars	No. of training batch	No. of Trainees
Vets Trained	19	298
Para-vets Trained	20	400

(iv) National Animal Disease Reporting Systems (NADRS, Central Plan Scheme)

The NADRS involves a computerized network integrating MIS and GIS linking each Block, District & the State headquarters to the Central Disease Reporting & Monitoring Unit at DADF, New delhi. All the 314 blocks, 30 CDVO offices, Animal Disease Research Institute, Phulnakhara and the Directorate of AH&VS, Odisha, Mangalabag, Cuttack have been migrated to Broadband connectivity from VPN for immediate disease reporting to the state and to Govt of India. The network connectivity at present is feasible to 307 nodes. Rest nodes will be provided with alternate network connectivity at the earliest. The regular disease reporting status stands at 188 out of 314 nodes.

6.5 Society for Prevention of Animal Diseases:

The Department gives focus on service delivery through mass vaccination, deworming, skill up gradation and awareness campaign on preventive & animal health care measures. To achieve this goal the Society for Prevention of Animal Diseases (SPAD) was registered under Society Registration act 1860 (Act XXI) on 18.05.2007 and presently functioning at the Directorate of Animal Husbandry & Veterinary Services, Odisha, Cuttack.

Aim and Objective of SPAD

The major objectives of the society are as follows.

1. To co-ordinate with the other Departments & agencies in organizing trainings, seminars, workshop & animal health improvement activities.
2. To raise public awareness and community participation through appropriate social mobilization for improvement of Livestock Health Status of Odisha.
3. To mobilize resources from all possible sources with the approval of Governing Body to foster the cause of Livestock Development through proper restoration of animal health.
4. Generate subsistence income and gainful employment by providing training to field veterinary staff for control and prevention of Bacterial and viral diseases.
5. To Improve & maintain quality standard of Veterinary Biological products in production & marketing keeping pace with the changing trends.
6. To facilitate the process for complying with GMP & GLP norm and acquiring for ISO -9002 certification. (Total Quality management).
7. To facilitate appropriate Research Work for proper improvement of animal health & to provide specific extension pertaining to Livestock healthcare and management.
8. To ensure Proper Disease Surveillance, Epidemiological survey and forecasting to combat contagious diseases of Livestock and Poultry.
9. To provide the quality vaccine at village level farmer's doorstep.
10. Recycling of funds generated by sale of Inputs and services for sustainability of animal health activities.
11. To disseminate appropriate technology by undertaking proper investigation and study for prevention & control of diseases through seeking co-operation from farmers
12. To protect farmers interest of reducing environmental pollution
13. To facilitate expert potentialities of Biological by establishing contact with similar institutions in India and abroad for securing services & expertise to obtain requisite equipments & instruments for the purpose.

Financial resource of the Society and Accounts

- i) Grants from Government of India and Government of Odisha or from any donor agency or donations received from any known source.
- ii) Funds generated as user fees relating to maintenance of animal health, rental and other charges for accommodation and use of facilities as would be decided by the governing body

The society assists during emergency to procure vaccine, medicines as well as mobility during natural calamities like Phailin during 2013 -14. Besides the funds of the Society is utilized for strengthening OBPI, DDL, CIL & ADRI, for training & awareness Programme, for animal health control programme, mass deworming of breedable Cows etc.

7.0 National Livestock Mission

National Livestock Mission (NLM) a CSS under National Livestock Management programme was launched during 2014-15 to achieve sustainable growth and development of livestock sector. Three sub-missions viz. Livestock Development, Feed & Fodder Development and Skill Development, Technology Transfer & Extension pertaining to State perspective have been proposed under NLM, germane to improvement of livestock productivity and initiatives under this Scheme. During 2014-15 a project proposal of Rs 4310.90 lakh has been submitted to Govt. of India for release of fund. During 2015-16 activities like Back yard Poultry Development, Risk Management, strengthening of Sheep Breeding farm has been initiated. A budget provision of Rs. 4616.61 lakh has been proposed for 2015-16 under the said scheme

8.0 Training & Development

8.1 In-service Training and Exposure Visit:

The Department duly acknowledges capacity development of its human resources and good investment is made for building their competency. There are seven numbers of training institutes functioning in the department to provide different types of training program for different levels of in-service personals. Moreover, apart from utilizing the existing training institutes and trainers of the Department, there is always a scope to send departmental personnel to different reputed national institutes or farms as per the need to undergo training programmes or for exposure trips.



Director, AH & VS inaugurating Disaster Management Training on 24.05.2014

Table 33: Exposure visits for Vets organized during 2014-15 (Upto Jan., 2015)

Sl No	Place of Visit	No of Participants
1.	NDRI, Karnal (Extension Management)	5
2.	CPDO Hissarghata(Poultry Development)	16
3.	CSWRI, Rajasthan(Small Animal Development)	19
4.	Baif, Pune(Dairy Development)	13
	TOTAL	53

Livestock owners are also trained at block and District level. Under various schemes, livestock farmers are trained on Animal Husbandry subjects. The details are given in Table - 34.

Table - 34 Training of farmers during 2013-14

Sl. No	Name of Event	No of Batches	Name of Scheme
1	Skill Upgradation Training on Dairy/Sheep/Goat Farming	116	State Plan - Up-gradation of skill in self-employment under ARD sector

One Veterinary Officer's Training Institute (Bhubaneswar), 3 Livestock Inspector Training Centre (Chipilima, Bolangir, Bhanjanagar), one Frozen Semen Artificial Insemination Training Centre (Cuttack), one Animal Disease Training Centre (Phulnakhara, Cuttack), one Fodder Training Centre (Pipili) are catering to the capacity building needs of the Veterinary field staff. The Department has given priority to human resource development and established a training system to impart need based training to AHD staff working at different levels. Technical, methodological and management training received priority focus.



Table-35: Training of Veterinary Officers at VOTI (Upto January, 2015)

Sl. No	Name of the Training Programme	No. of training Programme Organised	No. of Participants Attended
1.	Training of Trainers (TOT)	1	19
2.	Internship Training	3	75
3.	Human Resource Management	1	20
4.	Livestock Diseases & its Control (ASCAD)	19	332
5.	Entrepreneurship Development	3	48
6.	Accounts & Administration	2	41
7.	Communication Skills for Effective Extension Delivery (Off campus in collaboration with EEI)	1	23
8.	ToT for water shed officials	1	20
9.	Extension Management Mobilisation	2	36
10.	Disaster Management	2	60
11.	Soft Skill Development	1	17
12.	Livestock & Fishery based Livelihood in Watershed	3	73
13.	Small Animal Management	1	16
14.	Training Workshop on Infectious and contagious Act	2	80
	TOTAL	42	860

8.2 Society for Management of Information, Learning & Extension

The Society for Management of Information, Learning and Extension (SMILE) is constituted in the year 2007 and has shouldered the responsibility for Capacity Building of the entire Veterinary workforce working at the different level. The organization is also taking care of the Capacity Building of both technical, non technical and ministerial staff working under the Department. It is also providing scientific knowledge and skill for livestock rearing.

In the last year 2013-14 SMILE had facilitated training for 70969 personals including Vets, Paravets and farmers in the State.

During the year, the society collaborated with National Watershed Mission / Central Avian Research Institute (CARI) and College of Veterinary Science & Animal Husbandry, OUAT for organizing different training programme at State level. Department of Personnel and Training, Government of India, under 'Training for All' through Gopabandhu Academy of Administration, Bhubaneswar also provided funds for organization of training programmes on Small Animal Development for Vets and paravets.

Area specific training programme on scientific Duck Rearing and Golla Community Members has become one of the measure thrust area of this year. It is also giving emphasis to impart training to the Paravets on extension and communication. Four nos. of leaflets and three nos. of Training Modules and Teaching material have been developed to be used in the field Level.

8.3 Information, Education and Communication Programme

This programme plays a very vital role for creating awareness among people in order to overcome panic situation during occurrence of various emerging diseases like Bird Flu, Swine Flu, Rabies, Anthrax, etc. which are having zoonotic importance and public health problems. Simultaneously during natural disaster/calamities like flood, heat wave, super cyclone (Hudhud, Phailin) etc., IEC programme contributes a lot by providing timely advice about care and management, feeding and disease control aspects of animals. Achievements are as follows:

Table-36 - IEC activities under Electronic Media 2014-15

Sl. No.	Name of Event	Number
1	No. of programmes sponsored in AIR	126
2	No. programmes broadcast in AIR	90
3	No. of radio spots broadcast in AIR	15
4	No. of programs sponsored in Doordarshan	124
5	No. of pgorammes telecast in Doordarshan	86
6	No. of Ad. Film on A.I. vaccination, MVU, New Dairy Scheme, enhancement of subsidy for layer farming and cattle insurance produced	6
7	No. of TV spots telecast in OTV, ETV and Doordarshan	80
8	No. of news on scrolls telecast	68
9	No. of Gramsat programme conducted through ORSAC	3
10	No. of Departmental website maintained	3

Table-37 - IEC activities under Print Media 2014-15

Sl. No.	Name of Event	Number
1	No. of printing materials distributed	63000
2	No. of advertisement floated in newspapers (a) Box type - 106 (b) Display - 17	123
3	No. of articles published in different newspapers and magazines	48
4	No. of news published in various news papers	136

Observation of 63rd Gosambardhana Week-2014

63rd Gosambardhana Week-2014 was observed from 25.10.2014 to 31.10.2014 and celebrated throughout the state. Both state level and district level functions were organized at different places where different activities such as cattle worship, cattle show, exhibitions, meetings, prize distributions, farmers trainings etc, were organized. Similarly a state level function organized at Kunjar in Pipili Block of Puri district on 31.10.2014.

Participation in Regional Krushi Mahotsav-2014

Three Regional Krushi Mahotsav-2014 were organized at Sambalpr, Balasore and Berhampur of Ganjam districts from 28.09.2014 to 30.09.2014, 28.10.2014 to 30.10.2014 & 28.12.2014 to 30.10.2014 respectively where 17 stalls, 19 stalls & 29 stalls under ARD sector were exhibited. The different departmental activities like Mobile Veterinary Unit (MVU), Photo Gallery, Artificial Insemination, vaccination, integrated farming, Goat rearing under NMPS, backyard poultry, fodder cultivation, duck rearing etc. were exhibited in these stalls with live shows such as milch cows, heifers & calves, sheep & goats, commercial layer farming with enhancement of subsidy to Rs.75 lakhs, Banaraj bird rearing under Backyard poultry, broiler farming,



duck rearing, pig rearing, Emu bird rearing, etc. BAIF who is implementing integrated livestock development programme i.e. KALYANI in KBK peripheral districts also participated in Krushi Mahotsav showing different activities such as cattle development, fodder development and goat development programme whereas JK Trust also participated in the exhibition stalls of Krushi Mahotsav under ARD sector showing different activities like Sahiwal breeds of cattle, artificial insemination



and fodder cultivation programme. Seminars on problems of dairy farming, sheep and goat farming, poultry farming and its solution were organized in his regional Krushi Mahotsav where more than 2000 farmers participated. Our ARD stall



awarded the 1st Prize in Sambalpur in 2nd Prize in Berhampur regional Krushi Mahotsav. All the staffs of the department extended their wholehearted cooperation for successful organization of three regional Krushi Mahotsav. Similarly a state level Krushi Mahotsav-2015 is going to be held at Janata Maidan, Bhubaneswar from 02.03.2015 to 05.03.2015 where it has been proposed to organize 50 nos. of stalls under ARD sector.

Chief Minister's Award

Dr. Bira Kishore Parida, Asst. Director (P. R) has been awarded prestigious Chief Minister's Award by Hon'ble Chief Minister S.J. Naveen Patnaik on 13.11.2014 at Conventional Hall of Hotel Mayfair for the year 2012-13 towards his outstanding contribution for Excellence and Innovation in Governance and Public Service Delivery under Information, Education & Communication programme on individual category.



9.0 Animal Welfare Activities

9.1 State SPCA Odisha

The Prevention of Cruelty to Animals Act 59 of 1960(Central Act) has been enforced in our State for welfare of animals. Government of Odisha vide notification No.15545/FYAH. dated 3.8.1976 have authorized the Inspectors of State Society for the Prevention of Cruelty to Animals (SPCA), Odisha to exercise the power under the said Act. The Inspector of SPCA in the field of animal welfare are conducting mobile courts with help of Police and Judiciary to check animal cruelty cases in different part of the State as well as programmes in educational institutions, public places, religious places, cattle markets to rouse public consciousness towards kindness and compassion to animals. Besides, Animal Birth Control Programme (ABC), Relief and rescue operation, animal health camp, T.V. & Radio programme, Training programme on animal welfare are being organized by State SPCA to develop animal welfare activities throughout the State. The information on animal welfare activities is available in the web site, www.statespcaodisha.com. A detail report on the activities of State SPCA, Odisha for the year 2014-15 (up to January, 2015) is mentioned below:

Table - 38

Sl.No.	Activities	2014-15
1	No. of cases prosecuted under PCA Act, 1960.	619
2	No. of warning cases issued to offenders	1022
3	No. of cases convicted	480
4	Fine money imposed on cases convicted and deposited to Govt. account by court concerned	Rs.67,890/-
5	No. of awareness Programme organized in educational institution, public places, religious places, T.V. & Radio, News paper to create awareness in general towards kindness & compassion to animals.	93
7	No. of Animal Birth Control Programme (ABC) organized to eliminate the population of stray dogs and control of Rabies.	1782

9.2 ANIMAL BIRTH CONTROL PROGRAMME.

The Govt. of Odisha in Animal Resources Dev. Department has formed a state level coordination committee for control and prevention of rabies in the State under the Chairmanship of Commission-cum-Secretary, Housing and Urban Dev. Department. The Director, Animal Husbandry and Veterinary Services, Odisha, Cuttack is the Member -

Secretary of the Committee. In order to contain stray dog population into an economical balance to minimize the incidence of rabies and starry dog menaces in ULB area. The sterilization of stray dogs has been taken up in BMC, CMC, Rourekela, Paradeep, Jajpur Municipality and action is being taken to implement such programme in other district of the State in cooperation of local ULBs. A year-wise statement of ABC programme is given below for reference.

YEAR WISE STATEMENT OF ANIMAL BIRTH CONTROL PROGRAMME

Table - 39

Year	No. of stray dogs sterilized & immunized under Animal Birth Control Programme (ABC)
2008-09(started from June,2008)	1012 nos.
2009-10	1840 nos.
2010-11	1210 nos.
2011-12	2075 nos.
2012-13	2559 nos.
2013-14	1499 nos.
2014-15 (up to January,2015)	1782

10.0 Other Sister Organizations:

10.I Orissa State Co-operative Milk Producers Federation Ltd. (OMFED)

OMFED is established in the year, 1980 and the major objectives of the Federation are as follows:-

- (i) To carry out activities for promoting production, procurement, processing and marketing of milk and milk products for economic development of the rural farming community.
- (ii) Development and expansion of such other allied activities as may be conducive for the promotion of the dairy industry, improvement and protection of milch animals and economic betterment of those engaged in milk production. In particular and without prejudice to the generality of the forgoing object, the Federation may:-
 - Purchase and / or erect building, plant machinery and other ancillary object to carry out business.
 - Study problems of mutual interests related to milk procurement, marketing of dairy and allied products.
 - Purchase commodities from the members or from other sources without affecting the interests of the members for processing, manufacturing, distribution and selling of the same, arrange to manufacturer/purchase and distribute balanced cattle feed and for the purpose to set up milk collection and chilling centres, milk processing plants, product factories etc. in any of the district covered under its area of operation.

- Provide veterinary aid and artificial insemination services and to undertake animal husbandry activities so as to improve animal health care, disease control facilities etc.
- Advice, guide and assist the milk unions in all respects of management, supervision and audit functions.
- Render technical, administrative, financial and other necessary assistance to the member unions and enter in to collaboration / agreement with someone, if the need arises.
- Advise the member unions on price fixations, public relations and allied matters.

10.1.1 Performance of OMFED

i) Milk procurement:

In 2014-15, the average milk procurement per day is around 4.72 lakh Kgs. per day.

ii) Milk Processing

The processing capacity has been enhanced to 5.65 lakh litres per day covering 11 dairy plants. There are 327 bulk coolers having 4.54 lakh litre per day along with 9 milk chilling centre with capacity 1.95 lakhs lit. per day.

iii) Milk marketing:

The average Milk Marketing is 4.47 lakh Litres per day during the year 2014-15

10.2 Utkal Gomangal Samiti (UGS):

Utkal Gomangal Samiti was established in the year 1936. The aim and objectives of the Samiti is to bring all round development of the livestock through up-gradation of local indigenous stock by providing improved bulls, Buffalo Bulls and to propagate different types of fodder cultivation, Cattle Feed and encourage public for the same .

Table - 40: Natural Breeding in Cattle and Buffalo in the Year 2014-15

	No. Of Buffalo Bulls	No. Of Hariyana & crossbred Bulls	No. Of Service done	Progeny Born		Area cultivat ed in Acs.	Fodder Produced in Qtls.
				Male	Female		
2014-15	244	43	5865	1321	1285	15	1001.00

Besides Utkal Gomangal Samiti has two bull rearing Farms One at Patha near C.R.R.I., Cuttack and other is at Bhogra near Khuntuni where Bulls/ Buffalo bull calves are being reared up till the attaining the Breedable age. At present, there are 26 buffalo bull calves and 4 H.B. bull calves and one CB Bulls are maintained at Bull Rearing Farm, Patha

10.3 Orissa Poultry Federation (OPOLFED):

Orissa State Poultry Products Co- operative Marketing Federation Ltd (OPOLFED) is a state level Apex Co- operative Organization registered as society on 29-03-1976 and declared as an Apex Co-operative Federation on 22-3-1984. OPOLFED operates in two tier system i.e., Poultry Product Co-operative Society (PPCS) & Women Poultry Co-operative Society (WPCS) at grass root level and the Federation at the apex level. Till date, 102 PPCS/WPCS, Govt. of Odisha & OSCSTDFCC are members of Federation. Due to paucity of funds of the federation as well as the defunct stage of all most all PPCSs, marketing of farmers output was stopped. However, OPOLOFED's marketing activities like supply of eggs, packed eggs, dressed chicken meat to the consumers of Bhubaneswar and Cuttack is continuing.

Around 5,07,040 eggs are being marketed in the twin cities through 72 (Bhubaneswar-54, Cuttack-18) OPOLOFED sales booth every month and also approximately, 56 quintals of dressed chicken meat is marketed in the twin cities. Presently, around 29,236 graded and hygienic egg packets are being marketed monthly.

