



GOVERNMENT OF ODISHA

ANNUAL ACTIVITY REPORT

2013-14



DEPARTMENT OF FISHERIES
&
ANIMAL RESOURCES DEVELOPMENT

Annual Activity Report

2013-14

Animal Resources Development Sector



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1.0 ANIMAL RESOURCES DEVELOPMENT SECTOR PROFILE

1.1 Introduction

Animal Husbandry Sector has played a prominent socio-economic role in Odisha. 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 at the lowest possible investment per unit. Development of Livestock Sector therefore, is critical to rural prosperity. The sector is providing subsidiary to major sources of income to the large numbers of cultivators, small farmers, marginal farmers, BPL families and agricultural labourers. Livestock production in general is highly women oriented as most of the animal husbandry activities like the care and management of milch animals, milking of dairy animal, grazing of small ruminants are dealt 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, 2013, it ranks 8th among Indian States in egg production, 12th in meat production and 14th in terms of milk production (2012-13). 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 2013-14

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
1	NON-PLAN	19773.18	19773.18	18448.75
2	STATE-PLAN	4983.98	4983.98	4764.93
3	CENTAL PLAN	962.39	633.95	268.77
	CENTRALLY SPONSORED PLAN	600.00	439.39	245.94
	TOTAL	26319.55	25830.5	23728.39

Table-2: Budget Head 2404-Dairy Development

(Rs. in lakhs)

Sl. No	Resource Head	Budget Estimates Including Supplementary	Amount Released	Expenditure
1	NON-PLAN	79.30	79.30	62.96
2	STATE-PLAN	1903.12	1903.12	1890.08
3	CENTAL PLAN	47.67	NIL	NIL
	TOTAL	2020.09	1982.42	1953.04

Table -3: Budget Head 4403-Capital Outlay Budget

(Rs.in lakhs)

Sl. No	Item	Budget Estimates Including Supplementary	Amount Released	Expenditure
1	CAPITAL OUTLAY	1423.30	868.26	868.26

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 and Figure-2.

Figure – 1: State level hierarchy

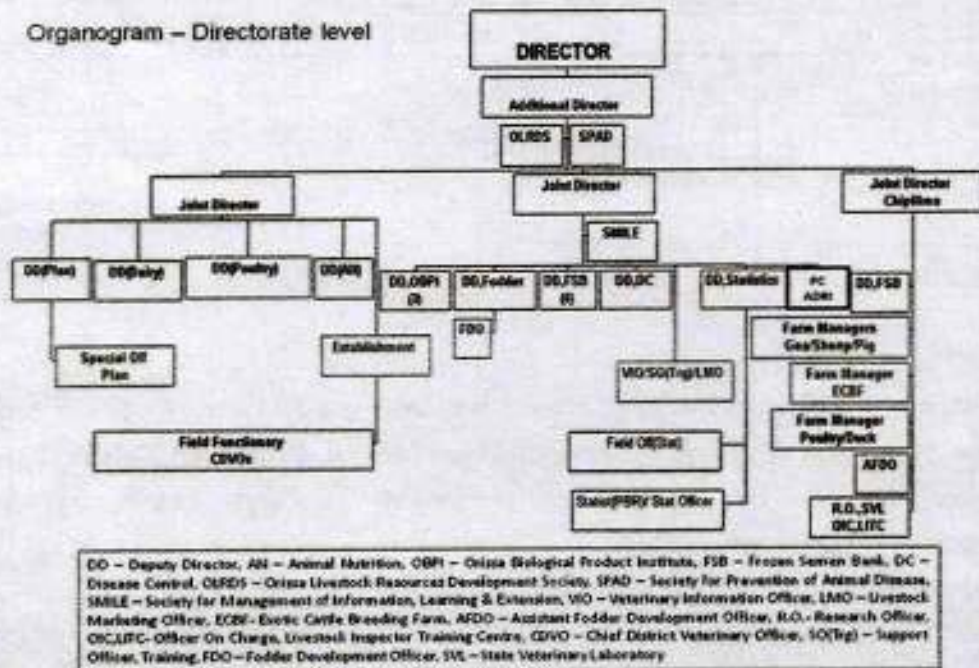
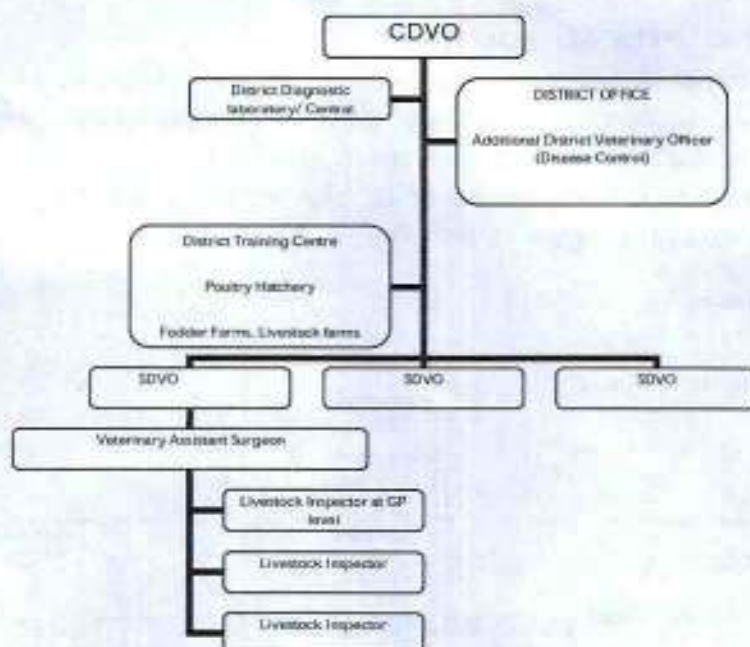


Figure – 2: Field level hierarchy



1.5 Institutional Mechanism

There are 540 veterinary hospitals/ dispensaries, 2939 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)	540
Livestock Aid Centre (LAC)	2939
Frozen Semen A.I. Centres (VD & LAC + Other centers)	2659+3190 ¹
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

¹Artificial Insemination in cattle and buffalo is carried out through 2985 departmental institutions (VD & Livestock Aid Centers), 1410 Omfed AI Centers, 620 JK trust Centers, 100 BAIF Centers and 1431 Gomitras in the state.

Sheep breeding farm	1
Goat Breeding Farms	6

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

Group	Category of Post	Sanctioned Strength	In position as 31.03.2014	Vacancy
A	Additional Director	3	0	3
	Joint Director - I	6	0	6
	Joint Director -II /CDVO	37	19	18
	Deputy Director/ SDVO/ ADVO	154	12	142
	Block Vet. Officers/Other specialists	355	293	62
B	VAS/AVAS/other officers	549	448	101
	Fodder Officer(FDO-1 +A FDO-17+SAFDO-22)	40	25	15
C	Livestock Inspector and VT	3030+667	2191+425	839+242
	Field Fodder Staff(JFDO + A.S.O./Field ASST.)	125	80	45

1.6 Supply of Livestock Outputs:

Livestock sector outputs like milk, meat, eggs has enhanced appreciably. The milk production has increased from 995 TMT during 2003-04 to 1861 TMT in 2013-14. Similarly, meat and egg production has also increased from 45 TMT to 81.04 TMT and 931 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)
2003-04	995.08	72	44.89	1.218	931.06	25
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

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. During the Year, 2013-14, steps had taken for construction of 108 no. new LACs.
- ❖ Provision of Mobile Veterinary Services in the rural interior areas for effective veterinary service delivery mechanism at the doorstep of the livestock owners. During the current Year, under State plan, 53 MVUs and under RKVY assistance, 156 MVUs are operational in the State. The Mobile Veterinary Service is provided in all the blocks of the State.
- ❖ In order to promote dairy farming as viable economic activity, post insemination services like organization of infertility camps in dairy intensive areas (1700 Grampanchyats) 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.
- ❖ Under the list of Agri-Enterprises in State Agriculture Policy, addition of two Agri-Enterprises (Commercial Duck Farming (Minimum Unit size - 4,000 nos.) and Duck farming as a part of integrated farming) related to ARD Sector" is being considered.
- ❖ Under the list of 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 Binjharपुरi, Ghumsuri, Khariar 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.
- ❖ During 2013-14, under State Plan Five new Schemes are introduced to provide benefit to dairy farmers. These are:

- **Promotion of Dairy entrepreneurship (PDE)** - It is intended to promote dairy entrepreneurs through provision of capital subsidy of 25% (General) and 33.33 % (SC & ST) of total project out lay for establishment of Dairy units.
 - **Interest Subvention on Short term loan for Dairy farming:** The scheme intends to facilitate credit linkage for dairy farmers to avail input loan. Farmers are getting interest subvention of 5 % on short term loan and additional 3 % interest subvention will be made for prompt repayment of installments in due time.
 - **Interest Subvention on Term loan for livestock farming:** Dairy entrepreneurs use 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 installments in due time.
 - **Livestock Insurance:** The dairy cows/buffaloes will be insured in order to ensure safety-net to farmers for getting away with the unprecedented eventualities. This will be taken up in 21 districts of the State in addition to 9 districts of the State covered under central plan scheme. The 50% of the premium cost will be borne by the interested beneficiaries and rest 50% will be borne under the scheme.
 - **Mobile Veterinary Unit:** In order to improve veterinary service delivery 53 Mobile Veterinary Unit are operational in the tribal dominated blocks of the State.
- ❖ 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 10 nos CDVO's office buildings, 5 nos SDVO hospital upgradation were taken up.
- ❖ Repair works of 75 nos Veterinary Dispensaries and 145 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.
- ❖ Livestock Census work and Breed Survey on indigenous native germplasm was taken up.
- ❖ Exposure visit for 100 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, 293.96 lakh doses of different veterinary biological were produced in our State.
- ❖ Besides 27 lakh doses of PPR vaccines, 25.00 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 8.01 lakh semen straws during the year 2013-2014 to be used for artificial insemination.

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 2985 Departmental AI centers at the door step of the farmers. During the year 2013-14 coverage of breedable population under organized breeding increased to 31%. 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 & Buffalo increased to 14.35 lakhs during 2013-14 which is 82 % of the annual target. During the year 2013-14 estimated 5.29 lakh progenies were born.

For genetic maintenance and further improvement of existing CB stock of the State, CB Bull production programme has been initiated. Elite cows are 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, 39 Jersey, 18 crossbred, 16 Red Sindhi & 12 Haryana donating breeding bulls maintained at FSB, Cuttack. Total frozen semen doses produced at FSB, Cuttack during the year 2013-14 is 8.01 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 2013-14

Sl. No.	Name of the District	Annual AI Target for 2013-14	Achievement during the year 2013-14	Percentage of Achievement
1	Angul	56324	41060	73
2	Bolangir	60982	53295	87
3	Balasore	99787	83622	84
4	Baragarh	92917	87988	95
5	Bhadrak	72068	48095	67
6	Boudh	24392	24229	99
7	Cuttack	166312	139847	84
8	Deogarh	16631	10973	66
9	Dhenkanal	51002	32411	64
10	Gajapati	13305	6627	50
11	Ganjam	83156	54093	65
12	Jagatsinghpur	133049	125821	95
13	Jajpur	77612	49488	64
14	Jharsuguda	16299	9843	60
15	Kalahandi	49894	46419	93
16	Kandhamal	16631	11631	70

17	Kendrapara	77612	70330	91
18	Keonjhar	75395	51535	68
19	Khurda	66525	43699	66
20	Koraput	33262	41728	125
21	Malkangiri	11087	17267	156
22	Mayurbhanj	84328	60012	71
23	Nawarangpur	33262	28412	85
24	Nayagarh	35480	26581	75
25	Nuapara	17740	21075	119
26	Puri	127506	113315	89
27	Rayagada	24392	26286	108
28	Sambalpur	49894	38866	78
29	Sonepur	33262	29991	90
30	Sundargarh	49894	40435	81
	Total :	1750000	1434974	82

2.2 Livestock Insurance Scheme

The Livestock Insurance Scheme under Central Plan was implemented in 9 districts covering 45036 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, during the year-2013-14, the Livestock Insurance Scheme was implemented in the rest 21 districts under State Plan. During the year 2013-14, it was planned to insure 90000 animals both under State Plan and Central Plan. 54489 numbers of dairy animals are covered under the scheme during the year 2013-14.

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

<i>Sl No.</i>	<i>Name of Farm</i>	<i>Type of animals</i>	<i>Total Animals available</i>	<i>No of Bull calves supplied</i>
1.	ECB Farm, Chiplima	CBJ	88	16
2.	LBD Farm, Khapuria.	CBJ & pure Murrah Buffalo.	55	1
3.	LBD Farm, Keonjhar.	CBJ	44	8
4.	LBD Farm, Remuna.	CBJ and pure Hariyana	51	3
5.	LBD Farm, Bhanjanagar.	CBJ and pure Hariyana	41	6
6.	LBD Farm, Boudh.	CBJ	39	5
7.	LBD Farm, Sundaraarh.	CBJ	40	0
8.	LBD Farm, Kuarmunda.	CBJ & pure Murrah Buffalo.	76	0
		Total	434	39

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 2013-14

Sl No	Activity	Annual Target	Achievement
1	Artificial Insemination Done	60000	53365
2	Progenies Born	15910	13124
3	Infertility Treatment Camps Conducted	240	371
4	Heat Synchronization Camps conducted	240	266
5	Farmers' Training Conducted	1700	1132

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, Sundergargh, Kendujhargarh, Balangir and Deogarh. Under this programme 250 villages have been covered involving about 20000 farm families. Under this programme 914 breeding bucks have been provided to the goat keepers for genetic upgradation of their stock. 557 goat farmers have been trained so far during this year. 266571goats have been dewormed and 70591 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	2498.8
2	Funds placed to BAIF	2145.52
3	Funds utilized	1567.82
	Balance remaining with BAIF	577.7

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 2013-14

Target	Application Sponsored	Application Sanctioned	Disbursed	No. of animal Inducted	Subsidy Claim sent to Regional Heads of Bank (In Lakh)	Subsidy released by Directorate to SLBC/Co-operative Bank (In Lakh)
3892	29207	6147	5201	647	1501.58	1159.47
Total	29207	6147	5201	647	1501.58	1159.47

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 installments 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 Interest subvention on Short Term credit during 2013-14

Target	Application Sponsored	Application Sanctioned	Disbursed	No. of animal Inducted	Subsidy Claim sent to Regional Heads of Bank (In Lakh)	Subsidy released by Directorate to SLBC / Co-operative Bank (In Lakh)
8750	7401	756	601		7.72	87.47
Total	7401	756	601		7.72	87.47

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 installments 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 Interest subvention on Long Term credit during 2013-14

Target	Application Sponsored	Application Sanctioned	Disbursed	No. of animal Inducted	Subsidy Claim sent to Regional Heads of Bank (In Lakh)	Subsidy released by Directorate to SLBC / Co-operative Bank (In Lakh)
2000	8701	1725	1230	200	25.13	150.00
Total	8701	1725	1230	200	25.13	150.00

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 deworming & vaccination.

During the year 2013-14, preventive vaccination against PPR (20.93 lakh), Goat Pox (10.53 lakh), Enterotoxaemia (9.89 lakh) are carried out. A total of 10.00 lakh animals are dewormed through camp mode in the State. These interventions are mostly aimed at development of livestock assets available with weaker sections.

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 24 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, 276 goat units have been assisted involving 14,300 goats providing subsidy to the tune of Rs. 150.00 lakhs. Similarly, 20 clusters have been identified and provided with support like mass deworming, 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 2013-14.



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 2013-14.

- In order to boost backyard poultry in the state, assistance is being provided to 6650 nos. of BPL beneficiaries with establishment of 30 nos. of mother units (chick rearing units) by the end of 2013-14 in selected 8 nos. of districts with Centrally Sponsored plan scheme.
- Commercial poultry entrepreneurs had been provided with Rs 30.11 lakh towards reimbursement of VAT paid on poultry feed ingredients during the year 2013-14.
- Presently, around 62 nos. of commercial layer farms having 40.5 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).
- Under State Agricultural Policy in 2013-14, Capital Investment Subsidy amounting to Rs. 321.6 lakhs for setting up 94 broiler farms, Rs. 8.05 lakhs for setting up of one layer unit and Rs. 25.00 lakh for one Feed plant had been released.

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.)
1	RPF Sundergarh	1938	32.94	3700	1.32
2	DPF Bolangir	1966	5.00	2850	0.10
3	IPDP Bhubaneswar	1964	18.00	4000	0.77
4	DPF Similiguda	1966	5.00	3400	0.69
5	RPF Koraput	1957	9.00	2600	0.39
6	PBR Angul	1942	48.60	4000	0.51
7	DPF Bhanjanagar	1961	3.00	2600	0.46
8	SPU Chiplima	1966	2.00	3500	1.04
9	DBF Chiplima	1990	6.00	3000	0.14
10	DBF Khapuria Cuttack	1977	3.05	2000	0.02

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%

5.1 Minikit Programme on fodder Crops:

Under this programme the Government of India provides fodder minikits to all the States free of cost in order to develop the fodder cultivation programme for the fodder crops. The quantity of seeds supplied through this programme is sufficient for 1/10th Hectare.

The orientation training for the farmers is being organized under different ongoing programme such as ATMA, Dairy Development etc. before actual distribution of minikits to the farmers so as to educate them regarding agronomical practices.

During the Year 2013-14, Fodder Seed of Maize, Sorghum, Cowpea, Ricebean of 5776, 8043, 2526 and 530 minikits respectively had been supplied to farmers.

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

The objectives of this scheme are:

1. To demonstrate fodder production technology for productivity in different agro-climatic conditions of the state.

2. To introduce fodder as a crop within the existing grain cropping system.
3. To enhance the capacity of farmers for adoption of fodder production technology through on-site demonstration.



The fodder staff of the district selects different demonstration sites in various clusters involving the local VASs, AVASs, LIs, Gomitras, Secretaries of MPCs, SHGs & lead farmers having CB animals. The interested District Milk Union & private dairies are also involved to scale up the programme in the district.

During this year Govt. of Odisha has provided Rs. 178.00 Lakhs for strengthening the farms as well as for training of farmer. A sum of Rs. 50.00 lakhs has been utilized for Development of fodder demonstration farm. Rs. 100.00 lakhs for development of infrastructure at Seed production farm. Rs. 10.00 lakhs for production of rootslip, Rs.10.00lakhs for Production of Certified fodder seed, Rs. 3.00 lakhs Training of farmers and Rs. 5.00 lakhs for logistic support for minikit distribution has been allotted to different DDOs. So far 120 batches training was completed at district level, Infrastructure at Fodder Seed Production farm Angul, Fodder training Centre at Fodder farm Pipili etc have been taken up. Till date about 85 Qtls of Certified fodder seed has been produced at Fodder seed production farms.

5.3 Enrichment of crop Residue

Under State Plan Scheme, crop residue like Paddy straw enrichment had been taken up to improve nutritive quality of roughages.

After selection of interested farmers, they are trained and demonstrated on the



practice of enrichment of paddy straw, molasses treatment and other technology of crop residue treatment. In this programme a farmer is being provided with Urea, molasses, grind Maize, Dicalcium phosphate and salt. During the current Year 6000 units of demonstrations were made in 1500 Intensive Gram Panchayats with financial involvement of Rs. 30.00 Lakhs.

5.4 Integrated Fodder Production under Rashtriya Krishi Vikash Yojana:

The prime objective of this programme was

1. To create fodder demonstration plot and lead trainer at village level for dissemination of fodder production and its utilization technology.
2. To enhance the capacity of farmers for adoption of fodder production technology through field level training.
3. To support expansion of fodder area and to support fodder and planting material availability in the area.

The following activities are taken up under integrated fodder cultivation:-

- i. Seasonal Fodder Cultivation
- ii. Perennial Fodder Cultivation
- iii. Distribution of Chaff Cutter
- iv. Distribution of Feeding Trough
- v. Azolla Cultivation
- vi. Enrichment of Crop Residue
- vii. Training & Demonstration



During the current Year, 11,188 Feeding troughs had been distributed to the farmers and 1331 Azolla demonstration were made.

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.

6.2 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 paravets 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 - 16 Performance of Mobile Veterinary Units

Name of MVU scheme	Year of starting	No. of operational MVUs	No MVU days conducted since inception	No of village covered since inception	Cases treated Since inception	Vaccination done since inception
MVU-40	2011-12	40	25305	42138	13,28,137	10,14,400
MVU-65	2012-13	65	22349	37049	7,20,072	14,87,270
MVU-53	2013-14	53	6474	11538	3,13,141	8,02,260
MVU-156	2013-14	39	736	1220	46,879	41,450

6.2 National Animal Disease reporting System

All the 314 blocks, 30 CDVO offices and the DAH VS, Odisha, Cuttack have been connected with VPN connectivity for immediate disease reporting to the state and to Govt of India.

6.3 Assistance to State for Control of Disease (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 - 17: Achievement under ASCAD during the year 2013-14

Sl. No	Activities	Phy. Target	Achievements
1	Immunisation against economically important disease		
i	PPR Vaccine	2600000	2700000
ii	FMD Vaccine	2500000	2500000
iii	HS vaccine	1500000	1500000
iv	BQ Vaccine	1500000	1500000
v	Anthrax Vaccine	500000	500000
vi	ENT Vaccine	500000	500000
vii	Theileria Vaccine	2000	2000
viii	Brucella Vaccine	2000	2000
ix	Goat Pox Vaccine	500000	500000
x	RD Vaccine	1000000	1000000
2	Strengthening of Disease 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	20 batches	20 batches
ii	Training for Paravets	20 batches	20 batches
4	Organisation of Awareness- cum- Animal Health Camps		
i	Block Level camp	314 nos.	314 nos.
ii	District Level camp	30nos.	30 nos.

6.3 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 - 18: Vaccine Production and Supply during 2013-14

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)	105.64	OBPI,BBSR	91.85	88.41
2	B.Q.V	69.87	-do-	53.51	55.91
3	RD (R ₂ B)V	36.95	-do-	31.24	23.07
4	RD (F. Strain)V	0	-do-	2.17	10.39
5	Fowl Pox Vaccine	0	-do-	0	0
6	ASV	20.00	OBPI (SU),BAM	20.77	16.38
7	ENT	10.40	-do-	10.13	11.57
	TOTAL	242.86		209.67	205.73

Table -19: Vaccine Procurement and Supply during 2013-14

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)	56.03	IIL/Intervet	25.50	24.24
2	Goat Pox V	16.11	IAH&VB, Kolkata	10.00	9.90
3	PPR	57.42	IAH&VB, Bangalore / IVRI, Mukteswar	27.00	22.75
4	Theileriosis	Nil	IIL, Hyderabad	0.02	0.02
	Total				

During the current Year 82,79,600 Doses of HSV, 52,96,300 Doses of BQV, 26,62,100 Doses of FMDV, 14,61,900 Doses of ASV, 9,88,800 Doses of ENTV, 20,92,600 Doses of PPRV, 18,96,900 Doses of R2BV, 10,53,000 Doses of GPV has been utilized during 2013-14 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 dealing with research and diagnosis of different livestock diseases, disease monitoring & surveillance of the state as well as training for up-gradation of modern scientific know-how to the field functionaries working in different capacities of this department. The institute also renders expertise service during the phase of different natural calamities like flood, cyclone, avian influenza and swine flu.

The Animal Disease Research Institute has following divisions -

1. Bacteriology Division
2. Virology Division & FMD Network Unit
3. Pathology Division
4. Parasitology Division
5. Control of Haematozoan Infection Scheme
6. B.S.E. Section
7. Herbal Division
8. ADMAS Unit



1. **The Bacteriology Division deals with the followings -**

- Isolation and identification of bacteria and fungi
- Diagnosis of bacterial diseases as well as antibiotic sensitivity test.
- Screening of milch cows serum for Brucellosis
- Specific tests for specific disease i.e. Anthrax, H.S., Brucellosis, Tuberculosis, & J.D.

Table - 20: Achievements of Bacteriological division during 2013-14

Sl. No.	Name of the samples tested	No. of samples tested
1	No. of milk samples tested for CMT, Culture and antibiogram study	246
2	No. of Uterine samples tested for culture and antibiogram study	09
3	No. of tissue samples for culture and antibiogram study	11

4	No.of heart blood and blood from different species put for culture and antibiogram study	83
5	Other samples for culture antibiogram study	19
6	No. of serum samples tested for Brucellosis by RPBT	61

2 **Virology Division & FMD Network Unit** has following activities -

- Surveillance and Diagnosis of Foot and Mouth Disease (FMD) to develop a complete picture of the prevalence of the disease in the State.
- Training on "diagnosis of virological diseases as well as collection, preservation and dispatch of samples" to Vets of the State.
- Sero-monitoring of FMD by LPB ELISA tests and sero-surveillance of FMD by DIVA. Sero-prevalence studies on bovine brucellosis, Ranikhet disease and IBD.

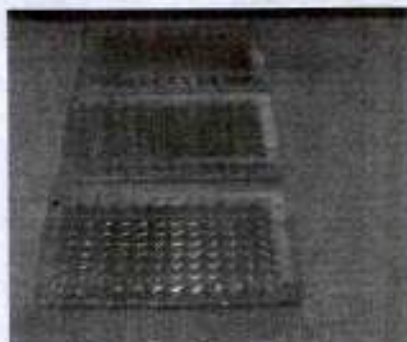


Table - 21 :Achievements of Virology division during 2013-14

Sl. No.	Parameters	No. of tests conducted
1	No. of tongue Epithelium tested by S-ELISA test	29
2	No. of serum samples tested by DIVA FMD test	3690
3	No. of serum samples tested by LPB ELISA test for FMD sero-type	3673
4	Bovine Brucellosis ELISA test	5247
5	New Castle disease ELISA test	201
6	IBD ELISA test	201
7	Surveillance on Avian Influenza	
	Serum	2118
	Swab	5412
	F/S	34
	ENV	29
	Dead Bird	04

3. **Pathology Division** deals with the following activities -

- Collection, preservation and dispatch of brain samples for screening of BSE by histo-pathology to RDDL, Kolkatta.

- Histo-pathological examination of tissue samples
- Post-mortem examination of animals as well as wild animals.
- Hematology and urine analysis.
- Training of Vets. and Para-vets for clinical pathology and collection procedure of samples for diagnosis.

Table - 22 :Achievements of Pathology division during 2013-14

Sl. No.	Parameters	No. of samples
1	No. of Brain samples collected, preserved and dispatch for screening of BSE	16
2	No. of blood samples tested for hematological study	4138
3	No. of urine samples analyzed for different parameters	376
4	No. of Birds conducted for post-mortem	3120
5	No. of Large and small animals conducted post-mortem in the field for diagnosis of diseases	13

4. Parasitology Division has following objectives -

- Testing of faecal samples for parasites
- Testing of skin scrapping examination.
- Screening samples for ecto-parasites and their identification.

Table - 23 :Achievements of Parasitology division during 2013-14

Sl. No.	Parameters	No. of samples tested
1	No. of F/S examined in different species	1192
2	No. of EPG done	318
3	No. of skin scrapings examined	03

5 Control of Haematozoan Infection Scheme has functional like -

- Testing of blood samples for haemo-protozoan
- Collection and identification of vectors.
- Mapping of endemic zones of theileria, babesia and trypanosoma in the state.

Table - 24 :Achievements of Haematozoan Infection Scheme during 2013-14

Sl. No.	Parameters	Total no. of samples tested
1	No. of blood smears examined	7995
2	No. of found positive for -	
	Theileria	1898
	Babesia	05

	Trypanosoma	1569
	Anaplasma	27
3	No. of vectors identified	28

6. **BSE Section:**

Bovine Spongiform Encephalopathy collected 16 brain samples of animals died in villages as well as slaughtered in different slaughter houses showing nervous symptoms and preserved and dispatched to RDDL (ER), Kolkata for screening of BSE.



7. **Herbal Division of ADRI has following objectives -**

- Preparation and clinical efficacy of different herbal medicines and their application in fields.
- Standardization, dose schedule and animal application or animal inoculation of different herbal medicines.
- Training of Para-veterinarians about the herbal medicines and their uses in the field.
- Publication of information booklets about herbal medicine.

Table - 25: Achievements of Herbal Division during 2013-14

Sl. No.	Parameters	No. of samples
1	No. of preparations developed for clinical efficacy of different herbal medicine in the field.	10
2	Standardization and dose scheduling of animal application of herbal medicine	05
3	No. of Para-vets aware about herbal medicines	180
4	No. of information booklets published	-

8. **Animal Disease Monitoring and Surveillance (ADMAS) unit of ADRI has following objectives -**

- Maintain a data bank on the epidemiology of economically important diseases.



- Investigation of different disease outbreaks throughout the state.
- Laboratory validation of the disease outbreaks.
- Compilation, analysis and reporting of animal diseases data of different districts.

Table - 26: Achievements of ADMAS Unit during 2013-14

Sl. No.	Name of the disease	No. of outbreaks	No. of animals affected	No. of animals died	No. of district affected
1	FMD (Bovine & Ovine)	27	1679	63	09
2	H.S. (Cattle, Buff. Goat & Pig)	05	73	54	04
3	B.Q.	24	127	94	09
4	Anthrax	08	40	40	03
5	Goat Pox	05	74	29	02
6	PPR (Sheep & Goat)	10	214	86	06
7	Enterotoxaemia	06	350	233	02
8	CPD	02	37	04	02
9	CCPP	04	79	42	02
10	Theileriosis	02	16	05	02
11	Babesiosis	01	04	03	01

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 Training & Development

7.1 In-service Training and Exposure Visit:

The Department duly acknowledges capacity development of its human resources and therefore, huge investment is being made for laying the foundation of a sustained development process in the livestock sector. Currently the training system in the department is fairly organized in comparison to the past. There are seven numbers of training institutes functioning in the department to provide different types of training programmes for different levels of in-service personnels. 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.

Table - 27 : Exposure visits for Vets organized during 2013-14

Sl No	Place of Visit	No of Participants
1.	CPDO, Bangalore	7
2.	CSWRI, Jaipur	17
3.	NDDB, Anand	15
4.	CIRG, Mathura	10
5.	BAIF, Pune	17
6.	NDRI, Karnal	15
7.	IVRI, Izzatnagar	14
	TOTAL	95

Livestock owners are also trained at block and District level. There are 18 District training centres in the State for training of farmers. Under various schemes, livestock farmers are trained on Animal Husbandry subjects. The details are given in Table - 28.

Table - 28 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
2	Entrepreneurship Development on AH Trades (25 in a batch)	22	State Employment Mission

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-29: Training of Veterinary Officers at VOTI

Sl. No	Name of the Training Programme	No. of training Programme Organised	No. of Participants Attended
1.	Training of Trainers (TOT)	4	65
2.	Off - Campus Training in collaboration with EEI, Hyderabad	1	25
3.	Internship Training	3	66
4.	Human Resource Management	1	16
5.	Livestock Diseases & its Control (ASCAD)	21	358
6.	Entrepreneurship Development	1	15
7.	Accounts & Administration	2	35
8.	Accounts Management	1	30
9.	ToT for water shed officials	1	22
10.	Small Animal Management and Social Mobilisation	6	89
11.	Induction Training for newly recruited VAS	2	31
12.	Disease Epidemiology (FAO)	1	45
13.	Soft Skill Development	2	32
	TOTAL	46	829

7.2 Society for Management of Information, Learning & Extension

The Society for Management of Information, Learning and Extension (SMILE) is constituted in the year 2007. The society is coordinating all the training and extension activities of the Department.

In the year 2012-13, the society has received a sum of Rs. 25 lakhs out of user charges. The action plan for utilisation of fund was submitted to the Government and the action plan was duly approved by the Government and the activities were taken up by the Society.

During the year, the society collaborated with FAO for organizing FETPV training programme at District 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.

7.3 Information, Education and Communication Programme

This programme plays a very vital role for creating awareness among the people in order to overcome panic situation during occurrence of various emerging diseases like Bird Flu, Swine Flu and Anthrax etc. which are having zoonotic importance and public health problems. Simultaneously during natural disaster/calamities like flood, heat wave, etc., publicity programme contributes a lot for providing timely advice about care & management, feeding & disease control aspects of animals.

The achievements are as follows:-

Table - 30 Extension activities under Electronic Media 2013-14

Sl. No.	Name of Event	Number
1.	No. of Programmes Sponsored in AIR-	118
2.	No. of Programmes broadcast in AIR-	86
3.	No. of radio spots of 30sec duration on A.I., Heat wave & disease control, broadcast-	-
4.	No. of Programmes sponsored in Doordarshan-	114
5.	No. of Programmes telecast in Doordarshan-	76
6.	No. of T.V. spots on AI, Vaccination	33

7.	No. of Gramsat programme conducted- through ORSAC	7
8.	No. of Phone - in - programmes conducted in AIR & Doordarshan	18
9.	No. of production of Ad. Film	6
10.	No. of departmental website maintained	3
11.	No. of cultural programme :- a)Palla/Daskatia b) Pathapranta Natak	a) 30 b) 100

Table - 31 Extension activities under Print Media 2013-14

Events	Number
No. of printing materials distributed	33,000
No. of advertisement floated in news papers	23
No. of articles published in different news papers & magazine	36
No. of news published in various news papers	127

62nd Gosambardhan Week

62nd Gosambardhan Week 2013 was observed from 27.10. 13 to 3.11.13 and celebrated throughout the State .Both State level District level functions were organized at different places where different activities such as cattle worship. Cattle show, Exhibitions , meetings , Prize Distribution, Farmers trainings etc, were organized. Similarly, a State level function organized at Khamar of Angul District on 3.11.13

Annual Adivasi Mela-2014 was organized at Adivasi Exhibition ground,unit-1,Bhubaneswar from 26.1.14 to 9.2.14 where no. of exhibition stalls were installed from both Govt. and non-Govt. organization on this occasion. One attractive stall under ARD

sector was organized where different activities like Mobile Veterinary Units, Artificial Insemination, Vaccination, Fodder cultivation, SHG training, Backyard Poultry, Gori Gobardhan etc. were exhibited in stall. Live poultry birds like Banaraj, ducks, broiler, rabbit etc. were also exhibited in stall which attracted visitors very much.

Posters and charts on different ongoing programmes were also displayed on the side walls of the stall with hill structure.

Printing materials like leaflets/pamphlets on departmental ongoing scheme was distributed to the visitors of A.H. Stall.

8.0 Animal Welfare Activities

8.1 State SPCA Odisha

The Prevention of Cruelty to Animals Act 59 of 1960 (Central Act) has been enforced in our State for wellbeing 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 Inspectors 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 are available in the website, www.statespcaorissa.com. A detailed report on the activities of State SPCA, Odisha for the year 2012-13 & 2013-14 is mentioned below.

Table-32: SPCA activities during 2013-14

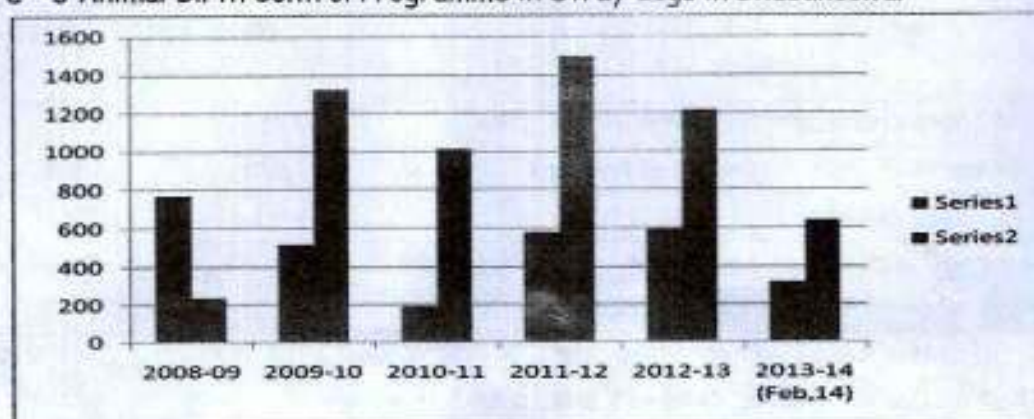
Sl.No.	Activities	2012-13	2013-14
1	No. of cases prosecuted under PCA Act, 1960.	786	837
2	No. of warning cases issued to offenders	1398	1301
3	No. of cases convicted	645	690
4	Fine money imposed on cases convicted and deposited to Govt. account by court concerned	Rs.88,315/-	Rs.95,915/-
5	No. of awareness Programme in educational institution, public places, religious places and training	270	219

	Programme on legal education by involvement of SHG/PRI members/ NGO/ Slaughter house personnel/cattle traders/ Teachers/ Advocate/ Police & Forest personnel Go-mitra/ L.I./ Sanitary Inspector to create consciousness on animal welfare activities & its law.		
6	No. of Street Play organized in religious places to make consciousness among people towards kindness & compassion to animals and prohibition of animal sacrifice	36	-
7	No. of Animal Birth Control Programme (ABC) organized to eliminate the population of stray dogs and control of Rabies. (BMC- 866,Paradeep Municipality-395, IFCO Paradeep-240, Rourekela-259,Jajpur-50)	1805	1456
8	Construction of Water Trough in the district of Boudh, Deogarh, Jharsuguda, Kalahandi, Kandhamal, Malkanagiri, Nuapara, Nawarangapur, Puri & Subarnapur	10	-

8.2 Animal Birth Control Programme:

The Government of Odisha in Animal Resources Development Department has formed a state level Co-ordination Committee for control and prevention of Rabies in the state under the chairmanship of Commissioner- Cum - Secretary, Housing & Urban development Department. The Director, Animal Husbandry & Veterinary Services, Odisha, Cuttack is the Member Secretary of the committee. In order to contain stray dog population into an ecological balance to minimize the incidence of Rabies and stray dog menaces in ULB area.

Figure - 3 Animal Birth Control Programme in Stray dogs in Bhubaneswar



9.0 Other Sister Organizations:

9.1 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.

9.1.1 Performance of OMFED

i. Milk procurement:

In 2013-14, the average milk procurement per day is around 4.22 lakh Kgs. per day.

ii. Milk Processing

The processing capacity has been enhanced to 5.45 lakh litres per day covering 11 dairy plants. There are 319 bulk coolers having 4.38 lakh litre per day along with 9 milk chilling centre with capacity 95,000 lit. per day.

iii. Milk marketing:

The average Milk Marketing is 4.9 lakh Litres per day during the year 2013-14.

9.2 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, Cows, Calves, Buffalo Bulls and Bucks etc. and to propagate different types of fodder cultivation, Cattle Feed and encourage public for the same.

Table - 33: Natural Breeding in Cattle and Buffalo in the Year 2013-14

	No. Of Buffalo Bulls	No. Of Bulls	No. Of Service done	Progeny Born		Area cultivated in Acs.	Fodder Produced in Qtls.	Feed Produced in Qtls.
				Male	Female			
2013-14	216	32	802	475	460	15	1426.60	--

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 29 buffalo bull calves and 5 H.B. bull calves and two bullock are maintained at Bull Rearing Farm, Patha.



9.3 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 4,53,600 eggs are being marketed in the twin cities through 82 (Bhubaneswar - 66, Cuttack - 16) OPOLOFED sales booth every month and approximately, 1 to 1.5 quintals of dressed chicken meat is marketed in the twin cities. Presently, around 21,000 graded and hygienic egg packets are being marketed monthly.

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