CHAPTER 6

AGRICULTURE AND ALLIED SECTOR

INTRODUCTION

6.1 The State of Odisha, bestowed with vast natural endowments is predominantly agrarian. Agriculture and Allied Sectors contribute about 17.59% of the Gross State Domestic Product (GSDP) and continue to be the backbone of the State’s rural economy. It provides employment, both direct and indirect, to about 64% of the total workforce. Therefore, the economic advancement of the State depends to a large extent on development of the Agriculture and Allied sector. This Chapter explains the plans and programmes of Agriculture and Allied sector which includes Agriculture, Cooperation, Fisheries and Animal Resources and dairy development sectors.

6.2 A sum of Rs.1,23,793.15 lakh under State Plan which includes Rs.9,194.16 lakh towards State share of CSP, Rs.11,840.01 lakh under RIDF and Rs.1,500.00 lakh under 13th Finance Commission Grant. The sector-wise details are indicated in the following Table.

Table 6.1
Sector-wise State Plan Outlay under Agriculture & Allied sector for 2012-13

<table>
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<tr>
<td>Agriculture</td>
<td>84,356.05</td>
<td>6,145.00</td>
<td>10,000.00</td>
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<td>Cooperation</td>
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<td>-</td>
<td>0.01</td>
<td>13,264.69</td>
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<td>Fisheries</td>
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<td>105.00</td>
<td>3,292.41</td>
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<td>Animal Resources &amp; Dairy Development</td>
<td>4,500.00</td>
<td>500.00</td>
<td>1,735.00</td>
<td>6,735.00</td>
</tr>
<tr>
<td>Total</td>
<td><strong>1,02,758.98</strong></td>
<td><strong>9,194.16</strong></td>
<td><strong>11,840.01</strong></td>
<td><strong>1,23,793.15</strong></td>
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The sector-wise proposed outlay for different plan schemes are indicated below.

**AGRICULTURE**

6.3 The total geographical area of the state is 155.71 lakh hectares. Out of this, the net sown area is about 55.74 lakh ha, which is nearly 36% of the geographical area. The State has about 43.52 lakh operational holdings of which small and marginal farmers (having <2 ha land) constitute 86.10% of the holdings and about 50% of the land. Land is becoming increasingly scarce on account of ever-burgeoning population, frequent diversions of land holdings and the scope for extending the area under crop production being limited. Hence, the emphasis is on increasing the productivity per unit land area and increasing cropping intensity. Irrigation facility in the kharif season is available to only 34% of cultivated area.

6.4 Although normal rainfall of the State is 1,451.2 mm spread over 69 rainy days, there are seasonal fluctuations, both in forms of quantity and distribution. This greatly influences kharif crops.

**PLAN OBJECTIVES**

The objective of the Plan is to achieve 4 per cent sustainable growth in Agriculture production through management of natural resources and scientific management of crops. The key interventions are as follows:

- Increasing irrigation potential by enhancing captive irrigation facilities and exploitation of ground water potential through establishment of STWs, MTWs, Dug wells, Deep bore wells and river lifts. Special emphasis is on providing irrigation to the hard rock areas of the State by installation of borewells in clusters.
- Increasing water use efficiency through popularization of micro-irrigation systems.
- Introduction and popularization of hybrid varieties of seeds.
- Encouraging horticultural crops and introduction of special crop specific schemes for banana, floriculture and coconut.
- Introduction of large scale vegetable cultivation in periurban areas and encouraging off season vegetable cultivation thereby increasing the income of the farmers.
- Increasing seed replacement rate (SRR) through massive production of quality seeds under seed village scheme and in Departmental farms. Private sectors may be encouraged in sale of seeds to the farmers.
• Popularising Farm Mechanization with a view to reducing cost of production and improving productivity.

• Maintenance of soil health by judicious fertilizer application based on the soil test results through creation of soil testing facilities at Block level.

• Promotion of organic farming, especially in the districts of low fertilizer consumption.

• Massive Programme for management of acid soil by use of Paper Mills Sludge, lime, etc.

• Crop diversification from paddy to more remunerative non-paddy crops viz.: Pulses, Oilseeds, Maize, Sugarcane, Cotton, Vegetables and Horticulture crops.

• Streamlining of Agriculture extension for facilitating improved agricultural practices, use of quality inputs, adoption of improved technologies and supporting this through delivery of the range of services needed by the farmers.

• Implementation of National Horticulture Mission programme in the State for development of horticultural crops.

• Establishment of at least one Model Nursery in each District and one Small nursery in each Block.

• Implementation of Integrated Watershed Development Programme (IWDP), Drought Prone Area Programme(DPAP), Watershed development programme under Special plan for KBK districts and Integrated Watershed Management Programme (IWMP)

• Extension of livelihood component in 6 tribal districts of Koraput, Malkangiri, Rayagada, Nawarangpur, Kandhmal and Mayurbhanj under the scheme “Jeebika” or “Odisha Rural Livelihood Project”.

• More emphasis for development of agriculture and allied sectors through the scheme RKVY.

PLAN SCHEMES AND OUTLAYS

6.5 The proposed outlays for different schemes in the agriculture sector under State Plan, Central Plan and Centrally Sponsored Plan schemes are indicated below:

STATE PLAN SCHEMES

6.6 An outlay of Rs.1,00,501.05 lakh has been proposed during the year 2012-13 for implementation of following Plan Schemes under Agriculture sector which includes Horticulture, Agriculture marketing, Agriculture Research and Education and Soil and Water Conservation. This includes provision of Rs.6,145.00 lakh as State share for CSP scheme and Rs.10,000.00 lakh for Jalnidhi (RIDF).
Jala Nidhi (RIDF) (Rs.10,000.00 lakh)
(Agriculture Department)

6.7 Irrigation is the key input for increasing agricultural production. Keeping this in view, the State Government has been taking loan from NABARD under RIDF for providing subsidy to farmers so as to encourage them for sinking shallow tube wells, dug wells, bore wells and river lift/surface lift on their own field. The subsidy is up to 50% on shallow tube wells, dug wells, bore wells and river lift/surface lift project limited to Rs.20,000, Rs.50,000, Rs.50,000 and Rs.40,000 respectively. During 2011-12, 15,554 Private Lift Irrigation Points (PLIPs) which includes 8,676 STWs, 4,996 deep bore wells, 1,859 dug wells and 3 river lifts have been established up to January, 2012 by utilising subsidy under the scheme. A sum of Rs.10,000.00 lakh has been proposed in the Annual Plan: 2012-13 for taking up irrigation projects.

Subsidy under Agriculture Policy (Rs.3,000.00 lakh)
(Capital Investment Subsidy)
(Agriculture Department)

6.8 The State Agricultural Policy 2008 includes provision of subsidy for setting up of commercial agri-enterprises. During 2012-13, a sum of Rs. 3,000.00 lakh has been proposed as outlay for the scheme.

Input Subsidy (Rs.3,800.00 lakh)
(Agriculture Department)

6.9 Seed is one of the most important inputs that plays a key role in enhancing agricultural productivity. With a view to increasing Seed Replacement Rates (SRR) to desired level of 25%, the State Government has been providing subsidy on quality seeds. The State Government has also been providing need based subsidy on other inputs such as pesticides, bio-fertilizer etc. Rs.3,500.00 lakh were provided in 2011-12 for this purpose. A sum of Rs.3,800.00 lakh has been proposed in the Annual Plan: 2012-13 for the same.

Strengthening of Infrastructure Development of Training / Research Centre / Laboratories/Implements factory (Rs.150.00 lakh)
(Agriculture Department)

6.10 There are 3 Regional Institutes for Training on Extension (RITE), 11 Soil Testing Laboratories, 13 Adaptive Research Stations and one Institution of Minor Irrigation and Water Use, one Seed Testing Laboratory, one Orissa Farm Machineries Research and Development Centre under Directorate of Agriculture & Food Production, Orissa. Besides, four more Soil Testing Laboratories one each at Keonjhar, Angul, Subarnapur and Nuapada are being established for enhancing the soil testing capacity to 2 lakh samples per annum. Further, 12 more Soil Testing Laboratories, two Fertilizer Testing Laboratories at Berhampur and Rayagada, one Bio-fertiliser Testing Laboratory at Bhubaneswar, one Insecticide Testing Laboratory at Sambalpur are in the process of being
established/ strengthened for enhancing the soils / fertilisers / bio-fertilisers / pesticides / seed testing capacity in the State. During 2011-12, Rs. 160.00 lakh was provided for the purpose. A budget provision of Rs.150.00 lakh has been proposed for 2012-13 for strengthening of infrastructure of these institutions.

**Popularisation of Agriculture Implements** (Rs.9,000.00 lakh)  
(Agriculture Department)  

6.11 To popularize agriculture implements including manual and bullock drawn implements and diesel pump sets among farmers, subsidy is provided to farmers for purchase of the above implements. The scheme continues to be implemented in order to supplement the subsidy provided under different Centrally Sponsored Schemes and RKVY in accordance with the pattern of assistance provisioned under the State Agriculture Policy, 2008 and also to cater to some additional requirement of such implements. A sum of Rs.9,000.00 lakh has been proposed during 2012-13 for the scheme.

**Management of Acid Soils** (Rs.300.00 lakh)  
(Agriculture Department)  

6.12 More than 70% of paddy area in the State is acidic in nature and affects crop production. For the management of such acid soils, a subsidy on basic slag and paper mill sludge (PMS) and its transportation is provided to farmers. More than 4 lakh hectares land with acid soil has been treated with PMS. A provision of Rs. 300.00 lakh has been proposed for the year 2012-13 for continuation of the scheme.

**Capacity Building of Extension Officers** (Rs.100.00 lakh)  
(Agriculture Department)  

6.13 This scheme is implemented in the State from 2007-08 with the objective of upgrading and refreshing the knowledge and skills of Agriculture Extension Functionaries actively engaged in transfer of technology from lab to land at various levels. Extension personnel have been trained in modern crop husbandry and improved extension methodologies. It has been envisaged to continue the programme during the current year to train extension personnel on various pertinent subjects and a sum of Rs.100.00 lakh has been proposed in the Annual Plan: 2012-13.

**Promotion of System of Rice Intensification (SRI Scheme)** (Rs.300.00 lakh)  
(Agriculture Department)  

6.14 The System of Rice Intensification (SRI) method of paddy cultivation requires less seed and water and has shown excellent results in increasing productivity of paddy. To popularise this method of cultivation, Rs.160.00 lakh was utilised during 2011-12. A provision of Rs.300.00 lakh has been proposed during 2012-13 for popularisation of SRI method.
Sustainable Harnessing of Ground Water (Rs.15,000.00 lakh)
in Water deficit Areas
(Agriculture Department)

6.15 This programme has been under implementation in the State since the 2010-11 for sustainable harnessing of ground water resources in water deficit areas through installation of bore wells on cluster basis. The objective of the scheme is to provide irrigation facilities mostly in deficit/drought/tribal blocks covering 26 KBK and Non KBK districts of the State. After completion, the bore well project is to be handed over to individual farmers on ownership basis to provide irrigation to at least one hectare of cultivable land. Priority will be given to B.P.L., small and marginal farmers to an extent of 70% and balance 30% to others, taking district as unit. During 2011-12, Rs. 12,500 lakhs has been provided for installation of 6,250 bore wells on farmers’ fields in cluster mode. A sum of Rs. 15,000.00 lakh has been proposed during 2012-13 for installation of 7,500 bore-wells.

Development of Agriculture Farms (Rs.510.00 lakh)
(Agriculture Department)

6.16 There are 62 Govt. Agricultural Farms, out of which 57 are actively engaged in production of foundation and certified seeds of desired varieties. The scheme will be implemented in the State for development and strengthening the infrastructure of these Agricultural farms. The funds will be utilized for creation of irrigation potential/construction/renovation of threshing floor/boundary wall/storage godowns/processing plants and purchase of farm machinery and equipments etc. An outlay of Rs. 510.00 lakh has been proposed for 2012-13 for the purpose.

Promotion of Integrated Farming (Rs. 300.00 lakh)
(Agriculture Department)

6.17 A new scheme namely Promotion of Integrated Farming will be implemented in the State to demonstrate and popularize integrated farming. An outlay of Rs. 300.00 lakh has been proposed for 2012-13 for the scheme.

Promotion of Improved Package of Practices (Rs.2,267.00 lakh)
(Agriculture Department)

6.18 It is a new scheme which will be implemented in the State to demonstrate and promote improved agronomic packages of practices for various crops with the objective of enhancing production and productivity. An outlay of Rs.2,267.00 lakh has been proposed in the Annual Plan: 2012-13 for the implementation of the scheme.
Technology Mission on Sugarcane Development (Rs. 300.00 lakh)
(Agriculture Department)

6.19 The scheme is implemented in the State from 2011-12 in a mission mode to enhance the area and production of sugarcane crops so that the crushing capacity of sugar mills will be utilized fully. New cultivars of Sugarcane will be popularized among farmers by large scale multiplication of planting material at breeder and foundation level. Under the scheme, improved methods of cultivation of sugarcane will be popularized among farmers. Besides, subsidy will be extended to improve agricultural implements used in the sugarcane cultivation. A sum of Rs.300.00 lakh has been proposed for 2012-13 for the scheme.

Infrastructure Development of Sale Centers (Rs.200.00 lakh)
(Agriculture Department)

6.20 The scheme has been implemented in the State from 2011-12 for infrastructure development of Agriculture Sale Centers so that the agri-inputs could be stored well in advance to facilitate timely availability of inputs to farmers. An outlay of Rs. 200.00 lakh has been proposed for the scheme in the Annual Plan: 2012-13.

Construction/ Addition & Alteration of Departmental Buildings (Rs.250.00 lakh)
(Agriculture Department)

6.21 This is a new Scheme to be implemented in the State for infrastructure development in various offices under Directorate of Agriculture in order to strengthen agricultural extension to aid smooth implementation of the programmes. An outlay of Rs. 250.00 lakh has been proposed in the Annual Plan: 2012-13 for the scheme.

Agricultural Extension & Research
(Agriculture Department)

6.22 The State has only one Agriculture University namely Orissa University of Agriculture & Technology (OUAT) with a network of colleges and researches stations. The university conducts degree and post graduate courses in agriculture, agricultural engineering, home sciences, fisheries, animal husbandry and veterinary sciences through its constituent colleges. The OUAT also maintains 8 regional research and technology transfer stations, 4 substations, 10 community centres and 13 adaptive research stations to carry out state level and national level research programmes.

Grant-in-Aid to OUAT (Rs. 600.00 lakh)
(Agriculture Department)

6.23 Rs. 650.37 lakh was provided as grant in aid to OUAT during 2011-12. A sum of Rs. 600.00 lakh has been proposed in the Annual Plan: 2012-13 as grant-in-aid to OUAT.
Infrastructure Development of Veterinary and other Colleges (Rs. 200.00 lakh) (Agriculture Department)

6.24 The College of Veterinary Science and Animal Husbandry is the only veterinary college in the State providing education to student under OUAT. During 2011-12, Rs.200.00 lakh was provided for development of infrastructure facilities for the college. A sum of Rs. 200.00 lakh has been proposed during 2012-13 for the college.

Infrastructure Development for Establishment of College of Agriculture at Bhawanipatna (Rs. 50.00 lakh) (Agriculture Department)

6.25 One new College of Agriculture at Bhawanipatna under OUAT has started functioning from academic year 2008-09. A sum of Rs.50.00 lakh was provided during 2011-12 for infrastructure development of the college. A budget provision of Rs.50.00 lakh has been proposed for 2012-13 to complete the infrastructure development of the College.

Strengthening of Agriculture Research (New) (Rs. 50.00 lakh) (Agriculture Department)

6.26 This is a new scheme. To conduct need based and location specific research round the year, a sum of Rs.50.00 lakh has been proposed in the Annual Plan: 2012-13 for infrastructure Development of research stations which include sinking of bore well at Chiplima, Kendrapada, Motto, Umarkote and provision of micro irrigation and supply of combine harvestor to Gambharipali farm.

Strengthening of Agriculture Extension (New) (Rs. 50.00 lakh) (Agriculture Department)

6.27 This is a new scheme. To increase the knowledge and skill of the farmers of the State Rs.50.00 lakh has been proposed in the Annual Plan: 2012-13 for infrastructure development of Extension wing of OUAT by strengthening of audiovisual system through purchase of audio visual aids, camera and other editing equipment for video project, replacement of mobile clinic and vehicle for enhancing mobility of scientist.

Construction of Girls Hostel (New) (Rs.140.00 lakh) (Agriculture Department)

6.28 For providing amicable academic friendly environment for girl students at the OUAT who constitute nearly half of the total students’ strength in the University, a sum of Rs.140.00 lakh has been proposed in the Annual Plan:2012-13 for construction of 50 seated Girls Hostel at the OUAT, Bhubaneswar.
Renovation Hostel (New) (Agriculture Department) (Rs.100.00 lakh)

6.29 To provide congenial study environment for the student of the OUAT and to make use of old hostel a sum of Rs.100.00 lakh has been proposed in the Annual Plan:2012-13 for renovation of 17 nos of hostels of the OUAT.

Student Amenities, Development of Sports Facilities (New) (Agriculture Department) (Rs.10.00 lakh)

6.30 To provide recreation to the students of the OUAT, a sum of Rs.10.00 lakh has been proposed in the Annual Plan:2012-13 for Student Amenities, Development of Sports Facilities, Construction of Gym at College of Agriculture, Chiplima, O.V.C., Bhubaneswar, College of Fisheries, Berhampur.

Rashtriya Krishi Vikas Yojana (RKVY) (Agriculture Department) (Rs.39,266.00 lakh)

6.31 RKVY was launched in the country in the year 2007-08 with the objective of achieving 4% growth in agriculture. Various developmental programmes under RKVY are being implemented in project mode to suit the regional priorities for agriculture and allied sectors. During the year 2011-12, in addition to normal RKVY, 7 new sub-schemes namely Bringing Green Revolution to Eastern India, 60,000 pulse villages, Nutricereals, Oilpalm, Vegetable clusters, Rainfed Area Development Programme(RADP), National Mission for Protein Supplements have been introduced in the State. The Projects under RKVY & its sub-schemes are being implemented as State Plan schemes with 100 % Central Assistance. Rs. 35,696.00 lakh was provided during 2011-12 for implementation of various projects of Agriculture and Allied sectors of the State. Some of the major interventions taken up under the scheme include Acid Soil Management, Farm Mechanisation, e-pest Surveillance, Soil Testing Campaign, Livelihood Support through up-scaling of pigeon peas. Popularisation of Hybrid Maize Cultivation, Intensification of Hybrid Sunflower Cultivation, Popularisation of Mustard (Toria) Cultivation, Establishment of Gene Bank for preservation of farmers’ varieties under protection of plants, Establishment of FIAC, Establishment of Soil Testing Laboratories, Establishment of Seed Testing Laboratories, Profiling of Secondary & Micro-nutrients under Agriculture Sector; Establishment of Onion Storage Structure, Integrated Onion Cultivation, Establishment of Horticulture Training Institute, construction of vermi compost units, Integrated Disease & Pest Management in Mango, Tissue Culture Banana Cultivation, Olive Cultivation etc under Horticulture Sector; Improvement of existing cashew plantations, Improvement of existing black pepper plantations, Watershed Development Programme, Strengthening of PDCs/SCDCs, Establishment of Resource Centres under Soil Conservation Sector; Construction of Storage godowns for PACS, Completion of cold storage under Cooperative and Agriculture Marketing Sector; Command Area Development & Water Management activities for increasing Irrigation efficiency for
Budabudhiani Salia, Pilasalki and Godahada, Sarapgarh, Bhaskel Irrigation projects under CAD, Extension and distribution of Lift Irrigation Projects under Water Resources Department; Mobile Veterinary Service, Improving reproductive performance in Dairy cattle, Integrated Fodder Production, Genetic upgrading of cattle & Female cross bred calf rearing, Dairy Development in Bhadrak, Balasore, Keonjhar, Sambalpur, Bargarh, Subarnapur, Jharsuguda and Kalahandi districts, Value addition to Horticulture Produce under Animal Husbandry & Dairy Sector; Integration of Fingerling production, Horticulture activity and Capacity building in the tank developed under MGNREGS, Demonstration of Cage culture in Reservoirs, Replacement of wooden country craft with FRP boat for marine fisheries, Assistance to fish marketing infrastructure for both marine, inland and Chilka fishermen, Assistance for net and boat for inland fishermen, Sea weed culture as an alternative livelihood for marine under Fishery Sector, Livelihood improvement of Tribal through production of value addition of tuber crops, Pineapple & organic spices under ST & SC Development sector, Creation of ginning and pressing infrastructure to develop economic interest of cotton cultivars of Kalahandi district under Textile and Handloom Sector and conducting farmers participatory Research, e-connectivity to different research stations under Agriculture Research Sector.

A sum of Rs. 39,266.00 lakh has been proposed during 2012-13 under RKVY and its sub schemes for implementation of the various activities under agriculture and allied sectors which include both ongoing and new projects.

**Establishment of Market Yards at Block Level**

**(13th Finance Commission)**

**(Co-operation Department)**

6.32 A market yard, being a utility place for the public in general and for farmers and consumers in particular, there should be basic amenities available for them. The market yards will have the facilities of water supply, toilets, high mast lights, concrete roads, farmers’ information centre besides the regular market requirements, i.e. godown, auction hall, covered sheds, open platforms, boundary walls, watchman shed and others. For establishment of market yards at block level, a sum of Rs.1,500.00 lakh is proposed in the Annual Plan: 2012-13 out of 13th Finance Commission Grant.

**Crop Insurance**

**(Co-operation Department)**

6.33 The National Agriculture Insurance Scheme (NAIS) is implemented in the State since Rabi 1999-2000 crop season. Under the scheme, indemnity claim, premium subsidy and banking service charges are shared equally by the Government of India and the State Government. For the purpose, the State Government has constituted a State Crop Insurance Fund (SCIF) at the State level to deal with the payment of indemnity claims, premium subsidy, bank service charges and administrative costs. The SCIF is administered by the State Level Coordination Committee on Crop Insurance (SLCCI) headed by the Agriculture Production Commissioner (APC). The State Government
provides necessary funds from out of the budget for crop insurance to facilitate the payment of the State Share of liabilities under the scheme. A provision of Rs.1,500.00 lakh is made under the scheme for the year 2012-13.

**Extension of Crop Estimation to G.P. level**

(Planning & Co-ordination Department)

6.34 At present estimation of crops is made at the Block level and District level through the scheme “Establishment of an Agency for Reporting Agricultural Statistics” (EARAS) which is fully assisted by Govt. of India under Central Plan. It is proposed to extend this scheme up to G. P. level for better grass-root planning and for extending assistance to the appropriate farmers under Crop Insurance Scheme. An outlay of Rs.1,000.00 lakh has been proposed for the scheme in the Annual Plan: 2012-13.

**CENTRALLY SPONSORED PLAN SCHEMES**

6.35 The Centrally Sponsored Plan Schemes to be implemented during the financial year 2012-13 are as follows:

**Macro Management Mode of Agriculture (Work Plan)**

(Agriculture Department)

6.36 The scheme has been implemented in the State since 2001-02. The funding pattern of the scheme is 10:90 between the State and Centre. Macro Management of Agriculture includes schemes for Rice Development, Sugarcane Development, Ragi Development and Agriculture Mechanisation. The objective of the scheme is to provide assistance for technology up-gradation through provision of adequate demonstrations in farmers’ fields, training of farmers on latest production technologies, exposure visit of the farmers to the higher productive areas to see the impact of improved methods of cultivation, increase in Seed Replacement Ratio (SRR) through providing incentives on production and distribution of certified seeds and popularisation of farm mechanisation by providing subsidy to farmers. As against provision of Rs.4,455.90 lakh (SS: Rs.445.59 lakh + CS: Rs.4,010.31 lakh) during 2011-12, a provision of Rs.3,304.31 lakh (SS: Rs.330.43 lakh + CS: Rs.2,973.88 lakh) has been proposed for 2012-13.

**Intensive Cotton Development Program (ICDP-Cotton)**

(Agriculture Department)

6.37 Cotton is a main commercial crop in Western and Southern districts of the State. The scheme is being implemented with 25:75 sharing between the State and Central Government. The main emphasis is on field demonstrations, farmers training, surveillance of pest and diseases, seeds treatment, subsidy on pheromone trap, bio-agent and bio-pesticides and supply of sprayers, sprinkler sets to cottons farmers. A sum of Rs.257.76 lakh (SS: Rs.46.64 lakh + CS: Rs.211.12 lakh) has been proposed for the financial year 2012-13.
Chapter-6

**ISOPOM (Oilseeds)**  
(Agriculture Department)  

6.38 This scheme is being implemented in the State since 1994-95 with an objective of increasing production and productivity of major Oilseeds. A sum of Rs. 5,474.75 lakh (SS Rs. 1,518.19 lakh + CS Rs.3,956.56 lakh) has been provided for utilization during 2011-12 to provide assistance on production and distribution of quality seeds, block demonstration, IPM demonstration, Farmers Field Schools (FFS), farmers training, plant protection equipments, plant protection chemicals, farm implements, exposure visit, supply of micronutrients, vermi compost, sprinkler set, gypsum and bacterial inoculants etc. The achievements due to all these interventions have resulted in an increase in oilseeds production and productivity in the State. An outlay of Rs. 5,430.72 lakh (SS-Rs.1,357.18 lakh + CS Rs.4,073.54 lakh) has been proposed for 2012-13 for implementation of the scheme.

**ISOPOM (Maize)**  
(Agriculture Department)  

6.39 This scheme is being implemented in the State to increase the production and productivity of maize mostly in tribal districts. Demonstrations, seed distribution, IPM demonstration, farmers’ training are the major components of the scheme. During 2011-12, Rs. 291.20 lakh (SS-Rs. 72.80 +CS Rs.218.40 lakh) has been provided for implementation of the scheme. An outlay of Rs.310.00 lakh (SS Rs 77.50 lakh + CS Rs.232.50 lakh) has been proposed to implement the scheme during 2012-13.

**Support to State Extension Programme for Extension Reforms**  
(Agriculture Department)  

6.40 The scheme is implemented in all districts through establishment of Agricultural Technology Management Agencies (ATMA). The funds sharing between Govt. of India and Govt. of Orissa is 90:10. The main aim of the scheme is unification and intensification of extension activities in agriculture and allied sectors and also to minimize the productivity gap between actual and potential yields of various crops. ATMA provides a platform to solve farmers’ problems at their door steps through their participation. Farmers are also involved in planning process of agriculture activities of the Block through Farmers’ Advisory Committee. Besides, Institute of Management of Agricultural Extension (IMAGE) as State Agricultural Management and Extension Training Institute (SAMETI) provides the training needs on HRD of ATMA districts by facilitating preparation of Strategic Research & Extension Plan (SREP), conducting Techno Managerial Training at District level and other trainings, disseminating farm information by organising District level exhibitions and distribution of printed leaflets and such other activities. A sum of Rs.1,000.00 lakh has been proposed as State Share for 2012-13.
6.41 This scheme is being implemented in the name of Jute Technology Mission (Mini Mission-II) under Central Sector Plan Schemes since 2007-08. The objective of the scheme is to encourage farmers to take up Jute & Mesta in more areas by making them capable of producing quality fiber and ensuring remunerative price for their produce with suitable technological interventions like organising FFS, Demonstrations, farmers’ exposure visits, training, providing assistance for inputs, retting tank etc. and incentives for seed production. The assistance provided to Jute & Mesta farmers under the scheme has brought an increase in production and productivity of Jute & Mesta fibre. A sum of Rs 126.90 lakh (SS Rs.6.30 lakh + CS Rs.120.60 lakh) was provided for utilization during 2011-12. A sum of Rs.182.52 lakh (SS Rs.8.24 lakh + CS Rs.174.28 lakh) has been proposed for 2012-13 for the purpose.

6.42 The scheme is being implemented since 2007-08 with an objective to enhance production and productivity of rice and pulse crops in selected districts of the State in a Mission Mode. The NFSM-Rice is being implemented in 15 districts namely Bolangir, Jajpur, Dhenkanal, Angul, Kalahandi, Nuapada, Keonjhar, Malkangiri, Nabarangapur, Kandhamal, Boudh, Nayagarh, Deogarh, Jharsuguda and Sundergarh and NFSM-Pulses in 10 districts namely Bolangir, Bargarh, Cuttack, Ganjam, Kalahandi, Keonjhar, Khurda, Nayagarh, Puri and Rayagada of the State covering 21 districts in all. The scheme is covered under the Central Plan. However, to meet any contingency a token of Rs.0.01 lakh has been proposed under this for 2012-13 as State Share.

6.43 Based on the recommendations of the Task Force on Balanced Use of Fertilizers, this new Centrally Sponsored Scheme entitled "National Project on Management of Soil Health and Fertility (NPMSF)" has been formulated. The scheme is broad based in terms of its activities and other aspects. The component relating to balanced use of fertilizers, will henceforth be taken out of the purview of the Revised MMA Scheme and subsumed in the National Project on Management of Soil Health and Fertility with the following objectives.

Objectives:

1. To facilitate and promote Integrated Nutrient Management (INM) through judicious use of chemical fertilizers, including secondary and micro nutrients, in conjunction with organic manures and bio-fertilizers, for improving soil health and its productivity.
ii. To strengthen soil testing facilities and provide soil test based recommendations to farmers for improving soil fertility and economic return to farmers.

iii. To improve soil health through green manuring.

iv. To facilitate and promote use of soil amendments for reclamation of acidic/alkaline soils for improving their fertility and crop productivity.

v. To promote use of micro nutrients for improving efficiency of fertilizer use.

vi. To upgrade skills and knowledge of Soil Testing Laboratory (STL)/extension staff and farmers and their capacity building through training and demonstration including demonstration on farmers’ fields regarding benefits of balanced use of fertilizers.

vii. To ensure quality control of fertilizers through strengthening of fertilizer quality control facility including training for enforcement.

A provision of Rs. 180.00 lakh has been proposed for the scheme during 2012-13 as State Share.

**CENTRAL PLAN SCHEMES**

6.44 The following Central Plan Schemes are proposed to be implemented in the State with 100% Central Government assistance. The scheme-wise objective and financial provision are as follows.

**Promotion and Strengthening of Agriculture**

(Rs.334.00 lakh)

Mechanisation through Training, Testing and Demonstration.

(Agriculture Department)

6.45 The objective of the scheme is to produce proto-type of industrial design of agricultural implements, their trials and imparting training on use and maintenance through conducting demonstrations. A provision of Rs.334.00 lakh has been proposed during the year 2012-13.

**Development and Strengthening of Infrastructure**

(Rs.249.00 lakh)

for Production and Distribution of Quality Seeds.

(Agriculture Department)

6.46 This scheme has been introduced in the year 2005-06 and implemented with 100% central assistance with the objective of increasing the seed replacement ratio by producing quality seeds in the State in more areas through providing
financial assistance to cultivators/seed growers towards seed cost, storage bin and training. The outlay proposed for 2012-13 under the scheme is Rs.249.00 lakh.

**National Project on Promotion of Organic Farming**

(Rs.0.01 lakh)

(Agriculture Department)

6.47 This scheme has been launched in the year 2004-05 and implemented with 100 % assistance from Central Government with the objective of establishing Model organic farms, field demonstrations, training, vermi-hatchery, bio-gas slurry preparation for sustainable crop production. A token provision of Rs. 0.01 lakh has been proposed for 2012-13.

**Strengthening and Modernisation of Pest Management**

(Rs.20.00 lakh)

(Agriculture Department)

6.48 This is a restructured scheme of erstwhile Scheme “Strengthening of State Pesticide Testing Laboratory. The objective of the scheme is to modernize 3 Bio-control Laboratories Field Stations for rearing and production of bio-agents at Kendrapara, Jagatsinghpur and Bhubaneswar besides upgrading the State Pesticide Testing laboratory in order to look into the quality control of pesticides in the State and make pest management more eco-friendly. A provision of Rs.20.00 lakh has been proposed for the year 2012-13 for the programme.

**AGRISNET Project**

(Rs.552.00 lakh)

(Agriculture Department)

6.49 The objective of the scheme is to provide improved service to the farming community through use of ITC. The project has been initiated with 100% Govt. of India assistance with an objective of uniform reporting system for better monitoring of various schemes, establishment of data centres, portal development, high speed data communication facilities to the State headquarters from field level officers and vice versa. Besides, it has been envisaged to supply software and hardware to the 97 District Agriculture Officers and the project needs to be extended to atleast Block level for extending the benefits to the farmers at grass-root level and for successful e-Governance in the State. In order to complete the project, a provision of Rs.552.00 lakh has been proposed during the year 2012-13.

**Post Harvest Technology & Management**

(Rs.193.50 lakh)

(Agriculture Department)

6.50 The Scheme has been implemented since 2007-08 with the objective of reducing post-harvest losses and educating farmers on quality management and value addition of agriculture produce. Under the scheme, farm machineries used in post-harvest are popularised and demonstrations are conducted. A sum of Rs.193.50 lakh has been proposed as outlay for the year 2012-13.
Agricultural Census (Rs.193.65 lakh)  
(Planning & Co-ordination Department)  
6.51 The scheme has been implemented in the State since 1970-71. Seven such Censuses have been conducted in the State. The present Census in the operation is the 8th in the series. The Census aiming at collection and compilation of data on operational holdings in various size and classes are being carried out in three phases. An outlay of Rs.193.65 lakh for the Annual Plan: 2012-13 has been proposed.

Establishment of an Agency for Reporting Agricultural Statistics (EARAS) (Rs.3,191.34 lakh)  
(Planning & Co-ordination Department)  
6.52 This Centrally Sponsored Plan Scheme has been implemented in the State by the Directorate of Economics & Statistics since 1976-77. The main objective of the scheme is to estimate the area yield rate and production of selected major crops in the State. From the Year, 2007-08, the scheme has been converted to a Central Sector Scheme with 100% assistance from Government of India. An outlay of Rs. 3,191.348 lakh has been proposed in the Annual Plan: 2012-13.

HORTICULTURE

STATE PLAN SCHEME  
6.53 The Annual Plan: 2012-13 for horticulture sub-sector has been formulated for integrated development of horticulture through area expansion under different fruit crops, vegetables, spices, root and tuber crops and floriculture. Emphasis has been given for dissemination of technology by way of massive training programme, production and distribution of quality planting materials at subsidized rate, establishment / revival of Block level Nurseries, establishment of vermi compost units etc. The proposed outlay is Rs.5,000.00 lakh for the year 2012-13 which includes Rs.2,800.00 lakh as State Share for Centrally Sponsored Scheme. Scheme wise allocation of funds is given below:

Horticulture Programme in Non-Mission Districts (Rs.0.01 lakh)  
(Agriculture Department)  
6.54 The National Horticulture Mission programme will be implemented in the State in all 30 districts during 2012-13. During 2011-12, NHM is being implemented in 24 districts. Since, there is no other Centrally Sponsored Scheme to take up horticultural programmes in the remaining 6 districts, i.e., Jharsuguda, Jagatsinghpur, Kendrapara, Jajpur, Boudh & Bhadrak, this programme such as crop development and infrastructure development in these 6 districts which were not covered under NHM has been implemented in these districts. A sum of Rs. 200.00 lakh was provided for above 6 Non Mission districts during 2011-12. A token provision of Rs. 0.01 lakh has been proposed during 2012-13 for continuance of the scheme.
Development of Potatoes, Spices & Vegetables (Rs.400.00 lakh) (Agriculture Department) 6.55 The scheme was introduced in 2007-08 to increase the production of potatoes, vegetables and spices in the State. The main objectives are supply of seed potatoes, vegetable seeds and planting materials of spices to farmers of the State at a subsidized rate. A sum of Rs.400.00 lakh has been proposed in the Annual Plan: 2012-13 for implementation of the scheme.

Input Subsidy (Rs.200.00 lakh) (Agriculture Department) 6.56 This scheme aims at backyard plantation through women Self-Help-Groups. Under the scheme, planting materials, i.e., grafts, gootees, seedling of quality fruits plants will be supplied to women SHGs for planting in their backyards. A minimum of five plants per women SHG members will be supplied under the scheme. A sum of Rs.200.00 lakh has been proposed during 2012-13 for the scheme.

Strengthening of School of Horticulture (Rs.100.00 lakh) (Agriculture Department) 6.57 This programme envisages providing institutional in-service as well as pre-service training to field staff under the Directorate of Horticulture and training to entrepreneurs. A budget provision of Rs 100.00 lakh has been proposed during 2012-13 for the scheme.

Establishment & Revival of Block level Nursery (Rs.165.00 lakh) (Agriculture Department) 6.58 In order to provide quality planting materials to farmers as well as utilization in Government programmes, it is proposed to develop / revive one nursery in each block for production and stocking up of quality planting materials and seeds of fruit, vegetables and flowers. Besides sale of quality planting materials, these nurseries will sale garden tool to farmers. Rs.150.00 lakh have been provided for revival of 63 defunct nurseries during 2011-12. An outlay of Rs.165.00 lakh has been proposed during 2012-13 for the scheme.
Inter-cropping in Fruit Orchards (Rs.150.00 lakh)
(Agriculture Department)

6.59 In order to popularize intercrops like pineapple, papaya, drumsticks, ginger and turmeric and root and tuber crops in fruit orchards as a short term assured economic benefit and to provide the nutritional security to the small and marginal farmers of the State. An outlay of Rs. 150.00 lakh has been proposed during 2012-13 for the scheme.

Production & Distribution of Quality Planting Materials (Rs.0.01 lakh)
(Agriculture Department)

6.60 Quality planting materials are important inputs for increase in production of fruits and flowers like mango, litchi, guava, k.lime, pineapple, drumstick, papaya and rose. It is proposed to take up production of such planting materials in Govt. nurseries. A token provision of Rs. 0.01 lakh has been proposed during 2012-13 for the scheme.

Special Crop Specific Scheme – Floriculture (New) (Rs.100.00 lakh)
(Agriculture Department)

6.61 A new scheme has been introduced to achieve self sufficiency in floriculture besides generation of revenue for the farmers. The existing schemes like NHM / Horticulture Programme in non-mission districts only provide cultivation of floriculture in open condition, but it has been programmed to take up the rose cultivation in controlled atmosphere like poly green house and marigold in open condition and provide assistance to farmers besides tying up forward and backward linkages. An amount of Rs.100.00 lakh has been proposed for 2012-13 under the scheme.

Special Crop Specific Scheme – Coconut (New) (Rs.834.98 lakh)
(Agriculture Department)

6.62 This is a new Scheme. To increase the area and production under coconut a Special crop specific scheme for coconut crop has been proposed during 2012-13 with an outlay of Rs. 834.98 lakh to take up area expansion in 2000 ha and crop demonstration in 1220 ha and construction of 200 nos. of vermi compost under the scheme.

Special Crop Specific Scheme - Banana (New) (Rs.250.00 lakh)
(Agriculture Department)

6.63 The Scheme envisages making the State self-sufficient in banana production and generating more income to the farmers. The area covered under existing schemes like NHM / Hort. Prog. is not sufficient to cater to the demand of the farmers. In order to facilitate to take up tissue culture banana plantation and to increase the area and production of banana crops, it has been proposed to take up special crop specific
intervention for banana during 2012-13 with an outlay of Rs. 250.00 lakh to cover 555 ha of the State.

CENTRALLY SPONSORED SCHEME

National Horticulture Mission (NHM) (SS: Rs.1,673.80 lakh) (Agriculture Department)

6.64 The National Horticulture Mission (NHM) has been in operation in the State since 2005-06 and extended to 24 districts with the objective of increasing production of selected fruits in the State for enhancing the economic status of farmers, promotion of export oriented agro based industries through provision of subsidy on supply of quality planting materials and training and development of market infrastructure. The scheme was implemented under the Central Plan with 100% Government of India funding in 2005-06 & 2006-07. From 2007-08, it has been included under CSP scheme with a funding pattern of 85:15 between Government of India and the State. Rs. 945.88 lakh was provided in 2011-12 towards the State Share. A sum of Rs.1,673.80 lakh has been proposed as State Share in the Annual Plan: 2012-13 for the scheme.

Establishment of Regional Coconut Nursery (SS: Rs.25.00 lakh) (CS: Rs.25.00 lakh) (Agriculture Department)

6.65 This scheme envisages production of coconut seedlings in farms and nurseries, with financial assistance from the Coconut Development Board (CDB) as well as the State Govt. on 50:50 basis and its distribution / supply to farmers for area expansion of coconut in the State. Rs. 50.00 lakh was provided in 2011-12. Rs.50.00 lakh (SS Rs.25.00 lakh: CS Rs.25.00 lakh) has been proposed for continuation of the scheme during 2012-13.

Production of T x D Hybrid Coconut Seedlings (SS: Rs.50.00 lakh) (CS: Rs.50.00 lakh) (Agriculture Department)

6.66 This is an ongoing scheme which aims at production of T x D hybrid coconut seedlings in departmental farms and nurseries with financial assistance from the Coconut Development Board as well as the State Govt. on 50:50 basis. Rs.4.00 lakh was provided in 2011-12. The total outlay of Rs.100.00 lakh (SS Rs.50.00 lakh: CS Rs.50.00 lakh) has been proposed for 2012-13 for the scheme.

ISOPOM: (Oil Palm Development) (SS: Rs.350.00 lakh) (CS: Rs.1,050.00 lakh) (Agriculture Department)

6.67 Oil palm is an important commercial crop being promoted in the State. The scheme envisages on providing subsidies for oil palm seedlings as well as on maintenance cost on newly created plantation with a financial assistance from Govt. of India and State Govt. at a ratio of 75:25 under the scheme ISOPOM. Rs.799.54 lakh have
been provided in 2011-12. An outlay of Rs.1,400.00 lakh (SS Rs.350.00 lakh: CS Rs.1,050.00 lakh) have been proposed during 2012-13 for implementation of various components of the scheme.

**Micro Irrigation Programme**
(Agriculture Department)

6.68 This scheme is in operation since 2006-07 in the State. The scheme envisages providing subsidy on drip irrigation and sprinkler irrigation suitable for fruit crops, vegetables, medicinal crops and floriculture crops. The pattern of funding is 40:30:30 i.e. Central Govt.: State Government: Beneficiary contribution. Rs.798.00 lakh has been provided as State Share in 2011-12 for the scheme. A sum of Rs.700.00 lakh has been proposed for the scheme as State Share in the Annual Plan: 2012-13.

**Coconut Palm Insurance**
(Agriculture Department)

6.69 Govt. of India started a new Centrally Sponsored Plan scheme during the year 2010-11 being implemented in the State through Coconut Development Board (CDB) with the 50% assistance from CDB, 25% by State Government and 25% by beneficiary contribution to cover coconut farmers under Coconut palm insurance scheme. A sum of Rs. 60.00 lakh (SS: Rs1.20 lakh and CS(CDB): Rs.2.40 lakh) has been proposed during 2012-13 for implementation of the scheme.

**CENTRAL PLAN SCHEME**

**Integrated Farming in Coconut Holdings for Productivity Improvement**
(Agriculture Department)

6.70 The Scheme envisages for coconut development in the State under the scheme 100% assistance is provided by the Coconut Development Board (CDB). The funds will be utilized for maintenance of existing coconut orchards, where in critical inputs will be given for development of coconut orchards. Rs. 87.50 lakh was provided for 2011-12. A sum of Rs.200.00 lakh has been proposed during 2012-13 for the scheme.

**Crop Estimation Survey on Fruits, Vegetables and Minor Crops**
(Planning and Co-ordination Department)

6.71 This scheme is in operation in Orissa since 1984-85 and is fully financed by the Ministry of Agriculture. The scheme aims at conducting sample surveys for estimation of the area under cultivation, yield rates and production of selected fruits and vegetables in different districts in a phased manner. The fruits covered under the survey are: coconut, cashew nut, banana, mango and orange. The vegetable crops covered under
the survey are: cauliflower, cabbage, onion, tomato, turmeric, chilli, okra and brinjal. Estimates of area, yield rate and production of selected fruits and vegetables are being regularly sent to Government of India. It is proposed to continue this scheme during 2011-12. An outlay of Rs.60.48 lakh has been proposed for the Annual Plan: 2012-13 for this scheme.

SOIL AND WATER CONSERVATION

6.72 Soil Conservation is a set of management strategies for prevention of soil being eroded from the earth’s surface or becoming chemically altered by over use, by acidification, salinisation or other chemical soil conservation. Water Conservation refers to the reducing the wastage of water and recycling of waste water for different purposes such as cleaning, manufacturing and agricultural irrigation. Soil and Water Conservation are mutually interdependent on each other. It is required to protect soil from various abrasive factors and check excessive accumulation of water. The State Government as well as Government of India continue to lay great emphasis on soil and water conservation. The State Government have since 2000-01 mounted a Watershed Mission which aims, inter-alia, at soil and water conservation. Watershed Development Projects are funded under various schemes including National Watershed Development Projects in Rainfed Areas (NWDPRA), River Valley Projects (RVP), Integrated Wasteland Development Programme (IWDP), programme under Special Plan of KBK Districts and Orissa Rural Livelihood Programme (JEEBIKA).

PLAN SCHEMES

6.73 An outlay of Rs.2,558.05 lakh has been proposed under State Plan for the Annual Plan: 2012-13 out of which an amount of Rs.345.00 lakh has been earmarked towards State share of CSP. Besides, an outlay of Rs.890.50 lakh has been proposed for development of 150 new micro watersheds in KBK area out of Special Central Assistance under Special Plan for KBK districts.

STATE PLAN

Odisha Rural Livelihood Programme (JEEBIKA) (Rs.2,213.05 lakh)
(Agriculture Department)

6.74 The scheme “Jeebika” or “Odisha Rural Livelihood Project” is being implemented in 6 districts namely Koraput, Rayagada, Nawarangpur, Malkangiri, Mayurbhanj and Kandhmal to provide livelihood support to the people of the watershed area of 460 ongoing watershed projects of IWDP and DPAP under watershed plus approach. The benefits of the scheme not only flow to the landed household but also to the poorest and vulnerable section by way of developing alternative and diversified livelihood opportunities. For this scheme, an amount of Rs.1,500.00 lakh was provided during the
financial year 2011-12. A sum of Rs.2,213.05 lakh has been proposed for implementation of the scheme in the Annual Plan: 2012-13.

CENTRALLY SPONSORED PLAN

6.75 A sum of Rs.345.00 lakh has been proposed for the Annual Plan: 2012-13 for the following Centrally Sponsored Schemes.

Macro Management mode of Agriculture
National Watershed Development Project in Rainfed Areas (NWDPRA) Programme (Agriculture Department)

6.76 The National Watershed Development Project for Rainfed Areas (NWDPRA) is a Centrally Sponsored Scheme under Macro Management of Agriculture with 90:10 funding pattern between the Government of India and the State. This scheme aims at tackling the problem of low productivity due to lack of irrigation, receding water table and soil erosion. A provision of Rs.2,200.00 lakh (SS: Rs.220.00 lakh and CS: Rs.1,980.00 lakh) has been proposed to take up 221 ongoing micro watershed with a treatable area of 18,400 hectares during 2012-13.

River Valley Project (RVP) (Agriculture Department)

6.77 The scheme for RVP is also implemented under Micro Management Mode. It covers the catchment of four Inter-State-River Valley Projects i.e., Hirakud, Rengali-Mandira, Upper Kolab and Indravati to prevent soil loss from these catchments and to reduce siltation of multi-purpose reservoirs under Macro Management of Agriculture (Work Plan). A sum of Rs.297.50 lakh (SS: Rs.29.75 lakh and CS: Rs.267.75 lakh) was provided during 2011-12 for the continuation of the scheme for treatment of 25 watersheds with treatable area of 2,500 hectares. A sum of Rs.25.00 lakh as State share of CSP and Rs.225.00 lakh as Central Share under RVP has been proposed for the Annual Plan: 2012-13.

Integrated Wasteland Development Programme (IWDP) (Agriculture Department)

6.78 The scheme is being implemented in the State in 23 districts with a sharing pattern of 11:1 between the Centre and the State. The Central Share is released by Government of India, Ministry of Rural Development direct to DRDAs / State Level Nodal Agencies (SLNAs). The Government in Agriculture Department releases the matching State Share to the DRDAs. DRDAs / SLNAs release the funds to the Project Implementing Agency and Watershed Committees. During 2011-12, a State share of Rs.300.00 lakh was released to the districts for treatment of 5,000 hectares. A sum of Rs.100.00 lakh has been
proposed for this scheme as State Share for treatment of 20,000 ha in the Annual Plan: 2012-13.

**CO-OPERATION**

6.79 Cooperatives facilitate increased participation of people and play a crucial role in transforming socio-economic conditions in an economy. In a predominantly rural and agricultural economy, like that of Odisha, cooperatives play a very critical role not only in the agricultural credit sector but also in many other fields. The Annual Plan: 2012-13 has been formulated keeping in view the achievements made during 2010-11 and 2011-12 as well as taking into account all continuing schemes implemented in the best interest of farmers of the State. The State Government have been providing interest subvention to the Co-operative Banks / PACs for the purpose of dispensing crop loan directed at 5%. However, it has been decided to reduce this rate to 3% if there is timely repayment by farmers.

**ANNUAL PLAN: 2012-13**

**STRATEGY AND THRUST AREAS DURING 2012-13**

6.80 Major strategy and thrust areas for the Annual Plan: 2012-13 will be as follows:

1. Share capital assistance to Short-term Credit Co-operative Societies will be provided for increasing their borrowing power during 2011-12.

2. As Odisha is primarily an agrarian State and also prone to various natural calamities, assistance in the shape of indemnity for crop loss shall continue to be provided to farmers under the Crop Insurance Scheme.

3. Emphasis will be given to improve economic standards of the people, especially belonging to Scheduled Castes and Scheduled Tribes communities by allocating sufficient funds out of the Plan Budget in the districts where the SC and ST population is high.

4. Assistance for construction of 150 godowns at Block Level for providing better infrastructure to tribal and other farmers for marketing their agricultural produce.

**PLAN SCHEMES**

6.81 A total outlay of Rs.10,300.00 lakh has been proposed for the Annual Plan: 2012-13 under the cooperation sector. The schemes proposed to be taken up are highlighted below.
Share Capital, Subsidy and Loan to ICDP (Rs.1,204.69 lakh)

6.82 This scheme has three components i.e., loan, subsidy and share capital and is implemented with financial assistance from National Cooperative Development Council (NCDC). The objective of the scheme is to create infrastructure in rural areas for primary cooperative societies (PCS) including cooperative credit societies (CCS) for carrying on their economic activities in different sectors such as fisheries, dairy, poultry, handlooms and horticulture. A provision of Rs.1,204.69 lakh has been proposed during 2012-13 towards share capital, subsidy and loan to ICDP in Angul and Dhenkanal districts.

Interest Subsidy/Subvention to Co-operative Banks/PACS (Rs.9,869.92 lakh)

6.83 The State Government has decided to provide interest subsidy to farmers so that they can avail crop loans from co-operative banks at the rate of 5 percent instead of 7 percent decided by the Government of India. It has been decided to further reduce the rate of interest to 3 per cent if timely repayment of loan is made by any farmer. For the purpose, an outlay of Rs.9,869.92 lakh is proposed for the year 2012-13.

Share Capital Investment in Cooperative Institutions (Rs.800.00 lakh)
Credit Societies for Strengthening of Share Capital Base

6.84 The objective of the scheme is to provide share capital assistance to the Short Term Cooperative Credit Institutions to strengthen the equity base for enhancing their borrowing power. A provision of Rs.800.00 lakh is proposed in the Annual Plan: 2012-13 for providing share capital assistance to Short Term Co-operative Credit Societies.

Grant to Odisha State Co-operative Union (Rs.30.00 lakh)

6.85 The Odisha State Cooperative Union conducts training and imparts cooperative education programmes for employees, office bearers, members and potential members of cooperative societies in the State. For information dissemination, education and training programmes, the Cooperation Department provides financial assistance in the form of a grant to the Union. A sum of Rs.30.00 lakh is proposed to be provided as grant to OSCU for the Financial Year 2012-13.

Infrastructure Development (Construction of Godowns of Service Co-operative Societies / PACS / LAMPS) (Rs.520.00 lakh)

6.86 Many Service Cooperative Societies (SCS) /PACS / LAMPS in the State operate their offices in private buildings or in old dilapidated buildings. Further,
godown facilities are not available with them for procurement of paddy and other marketable crops in different seasons. For construction of office buildings and godowns for the SCS / PACS / LAMPS, it is proposed to provide Rs.520.00 lakh in the Annual Plan: 2012-13.

**Assistance to Sugar Mills**  
(Rs.500.00 lakh)  
(Co-operation Department)

6.87 For upgradation / modernization of sugar mills, a sum of Rs.500.00 lakh is proposed in the Annual Plan: 2012-13.

**Construction of New Office Buildings for Divisions & Circles**  
(Rs.300.00 lakh)  
(Co-operation Department)

6.88 A sum of Rs.300.00 lakh is proposed in the Annual Plan: 2012-13 towards construction of new buildings of 6 new division and 11 new circle offices.

**Conversion of Short Term Crop Loan to Medium Term Crop Loan on account of Natural Calamities**  
(Rs.0.03 lakh)  
(Co-operation Department)

6.89 In order to extend the facility of conversion of Short Term Loan to Medium Term Crop Loan in the GPs and villages affected by natural calamities and suffered crop loss of 50% and above, crop loans have been estimated to be converted to Medium term loans. A token provision of Rs.0.03 lakh has been proposed in the Annual Plan: 2012-13 for the scheme.

**Strengthening of Management Information System (MIS)**  
(Rs.20.00 lakh)  
(Co-operation Department)

6.90 This is a new scheme. For computerisation of ARCS and DRCS Offices, a sum of Rs. 20.00 lakh has been provided towards strengthening of Management Information System (MIS) during 2012-13.

**Interest Subsidy/ Subvention towards Conversion of Short Term Crop Loan to Medium Term Crop Loan**  
(Rs.0.03 lakh)  
(Co-operation Department)

6.91 For claims of Interest Subvention for conversion of Crop loan of Rabi, 2010, Khariff, 2011 to Medium term crop loan a token provision of 0.03 lakh has been proposed in the Annual Plan : 2012-13.

**Financial Assistance for Restructuring of MARKFED**  
(Rs.0.01 lakh)  
(Co-operation Department)

6.92 A token provision of Rs.0.01 lakh has been proposed in the Annual Plan: 2012-13 for restructuring of MARKFED.
Financial Support to Odisha Society for Co-operative Education (OSCERT) (Co-operation Department)

6.93 The existing training programme has been operated for key functionaries of PACS, LAMPCS, Inspector of Co-operative Societies, Sub-Assistant Registrar of Co-operative Societies. With the formation of the society Odisha Society for Co-operative Education Research & Training (OSCERT), training of all officials of Government, office bearers, members and employees will be given through this scheme. A sum of Rs. 20.00 lakh has been proposed for this scheme in the annual Plan: 2012-13.

Creation of Warehousing Facilities under RIDF (Warehousing) (Co-operation Department)

6.94 For creation of warehousing infrastructure, loans from NABARD can be availed by the State Government. A separate scheme has been formulated by NABARD in the name of “RIDF (Warehousing)” for providing storage facilities for agricultural produces. The OSCB will be the state level nodal agency for implementation of the programme. Tenure of the loan is 7 years and rate of interest is 6.5%. A token provision of Rs.0.01 lakh has been made in the Annual Plan: 2012-13 for the scheme.

FISHERIES

Introduction

6.95 Agricultural dynamism in Orissa entails sufficient attention on the Fishery Sector. As per the recent policy, Pisciculture qualifies for different promotional incentives at par with Agriculture. Orissa is endowed with a coast line of 480 Kms with continental shelf area of 24,000 sq.km along the Bay of Bengal. It offers tremendous opportunities for development of fresh water, brackish water and marine fisheries with scope of fish production together with employment and income generation for socio-economic prosperity. Fresh water resources of the State are estimated to be 6.73 lakh ha with a break-up of 1.22 lakh ha, of ponds/tanks, 2 lakh ha of reservoirs, 1.80 lakh ha of lakes, swamps and jheels and 1.71 lakh ha. of rivers and canals. The brackish water resources are of the order of 4.10 lakh ha with a break-up of 3 lakh ha of estuaries, 32,587 ha. of brackish-water land suitable for Shrimp culture programme out of which 14,374 ha. has already been developed and the largest Indian brackish water lagoon Chilika Lake measuring 93,000 ha. The State Agriculture Policy emphasises development of fisheries and envisages greater participation of people in this Sector.
6.96 Fish is a popular food item in Odisha. Per capita annual consumption of fish in the State was estimated to be 9.31 kg in 2010-11. Fresh water prawn culture, ornamental fish culture and pearl culture have been introduced in the State for entrepreneurs and the un-employed youth. Efforts have been made to increase inland fish production under schemes like, SGSY and RKVY. The State has produced 253.29 crore and 60.16 crore spawns and fry respectively during 2011-12 upto the end of December, 2011. The emphasis has been given to create more hatcheries, nurseries and rearing species in private sector. Efforts are being made for production and supply of fingerlings/ yearlings for enhancement of fish production and steps are being taken to identify missing links in infrastructural gaps and to fill them under different schemes of the State as well as Government of India like SGSY and RKVY.

6.97 The State’s long coastline measuring 480 km. provides ample scope for marine production and export and livelihood to about 3.5 lakh fishermen. Marine fishermen subsist on marine resources by using 4 fishing harbours and 59 Jetties and Fish Landing Centers.

6.98 Poverty alleviation of fishermen is crucial for expansion of fish production. The state has taken strategy to setup organisation of farmers, for technological upgradation, supply of inputs, establishment of marketing linkages, training of fishermen and above all infrastructure development which aims to increase earnings of fishermen to remove their poverty alongwith doubling of fish production.

6.99 The main objective of 12th Five Year Plan is to increase fish seed production as well as fish production to provide self employment opportunities to eradicate poverty and increase per capita income by utilising unexploited water resources through application of new technologies and expansion of infrastructure facilities. The following activities and programmes are proposed to be given priority in the Annual Plan: 2012-13.

1. To promote sustainable development of Inland Fishery Sector for doubling fish production.
2. To enhance the export earnings in the State.
3. To enhance contribution of fishery sector to food and livelihood security of the people engaged in fisheries.
4. To promote Public Private Partnership in developing, managing, conserving and sharing the fishery resources for the benefit of the State.
5. To develop human resources through their capacity building, training and awareness programme.

PLAN SCHEMES

6.100 In accordance with the strategy for fishery development and for achieving targets under different components, an outlay of Rs.3,292.41 lakh has been proposed under State Plan, out of which Rs.2,549.16 lakh is proposed towards State-matching share for Centrally Sponsored Plan Schemes. Besides, a sum of Rs.120.28 lakh
has been proposed under Centrally Sponsored Plan Scheme and Rs.602.92 lakh under Central Plan during Annual Plan: 2012-13. The funds under State plan include Rs.105.00 lakh under Rural Infrastructure Development Fund (RIDF) for Fisheries Scheme. Out of state plan outlay of Rs. 3,292.41 lakh, Rs.1,566.29 lakh has been fixed for District Sector and Rs.1,726.12 lakh for State sector. An amount of Rs.1,043.30 lakh and Rs.232.91 lakh has been earmarked for SCSP and TSP Sector respectively.

STATE PLAN

**Strengthening of Technical Wings of the Districts**

(Rs.15.00 lakh)

(Fisheries & ARD Department)

6.101 The Scheme aims at Strengthening the Administrative Machinery at Zonal and District level for implementation and execution of different Fisheries Development programme in the State. Accordingly, a provision of Rs.15.00 lakh has been proposed towards cost of staff salary during the Annual Plan: 2011-12.

**Development of Inland Fisheries and Aquaculture through FFDAs**

(Rs.400.00 lakh)

(Fisheries & ARD Department)

6.102 The two ongoing schemes namely FFDA and BFDA have been merged and renamed as “Development of Inland Fisheries and Aquaculture” under macro-management approach. For Development of Inland Fisheries in the State, an amount of Rs.400.00 lakh is proposed in the Annual Plan: 2011-12. The proposed outlay for the above scheme has been earmarked to meet salary of FFDA and BFDA staff, leave salary and pensionary contribution of deputation staff.

**Organisation of Skill Upgradation Training and Awareness Meet in Fisheries Sector**

(Rs.65.00 lakh)

(Fisheries & ARD Department)

6.103 To impart training to fishermen/ educated unemployed youth, to adopt scientific pisciculture and to assist them to avail institutional finance as well as subsidy as per the norms of Government of India for development of Inland, Brackishwater and Marine fisheries sector in the State, an outlay of Rs.65.00 lakh has been proposed for the Annual Plan: 2012-13. It is proposed to impart training to 800 unemployed youths during Annual Plan: 2012-13.

**Matsyajibi Unnayan Yojana (New)**

(Rs.100.24 lakh)

(Fisheries & ARD Department)

6.104 The scheme envisages to provide awards to meritorious children of fishermen community and financial assistance to fisherwomen self help groups. This is a new scheme and encourage children of active fishermen towards higher education and to
assist fisherwomen SHG through revolving fund. It has been proposed to provide scholarship to 100 children of active fishermen and 1000 fisherwomen SHGs. For this purpose, a provision of Rs.100.24 lakh has been proposed in the Annual Plan: 2012-13.

**Survey and Investigation of Fishing Harbour and Fish Landing Center Projects**  
(Fisheries & ARD Department)

6.105 For construction of fishing harbours and fish landing centers, survey and investigation and preparation of project reports are essential, for which an outlay of Rs.20.00 lakh has been proposed in the Annual Plan: 2012-13.

**Infrastructure Improvement of Fisheries Sector Buildings**  
(Fisheries & ARD Department)

6.106 After creation of new districts, zonal offices have started functioning in all 30 districts of the State. Most of the offices in new districts are running either in rented accommodation or in old departmental buildings. Accordingly, a sum of Rs.180.00 lakh has been proposed in the Annual Plan: 2012-13 for construction of Office Buildings.

**Contribution towards NFDB Assistance**  
(Fisheries & ARD Department)

6.107 The existing CSP Schemes have provided inadequate funds to achieve the target of increasing fish production on account of various constraints. The developmental programme will be implemented in the State through NFDB in order to achieve doubling of fish production and tripling of exports. As per the decision of the High Level Committee, State Government have to contribute 10% of actual expenditure incurred by the Board. Accordingly, an outlay of of Rs.173.00 lakh has been proposed in the Annual Plan: 2012-13 for construction of 10 nos. of captive hatchery, 100 captive nurseries, escalation price of captive hatchery and captive nursery and 25% lease value to be deposited with NFDB as collected from different reservoirs.

**Reactivation of Fisheries Co-operative Societies (New)**  
(Fisheries & ARD Department)

6.108 The scheme aims to revive the primary fishery co-operative societies / apex societies including Fish Federation and make them financially viable by way of providing revolving fund to the societies. A provision of Rs.100.00 lakh has been made in the Annual Plan: 2012-13 to 120 working PFCS and 1 fish federation society.
Investment of Share Capital in Fisheries to PFCS and apex society.

Rural Infrastructure Development Fund
Development of Approach Road to Fishing Harbour/ Fish Landing Centre/ JETTIES

CENTRALLY SPONSORED PLAN
Development of Water Logged Areas

Inland Capture Fisheries (Reservoirs/Rivers)
Development of Fresh Water Aquaculture (CS: Rs.548.73 lakh) through FFDA (Programme Component) (Fisheries & ARD Department) SS: Rs. 182.91 lakh

6.113 An amount of Rs.182.91 lakh has been proposed in the Annual Plan: 2012-13 towards 25% of State Share for Development of Inland Fisheries. The above funds will be utilised through FFDA for developing 1,250 ha water area.

Development of Brackish Water Aquaculture (CS: Rs.481.50 lakh) through FFDA (Programme Component) (Fisheries & ARD Department) SS: Rs.160.50 lakh

6.114 The brackish water resources confined to 7 coastal districts for development of brackish-water fisheries. It has been targeted to develop 500 ha. water area. A provision of Rs.160.50 lakh towards 25% State share has been proposed in the Annual Plan: 2012-13 for development 1,070 ha brackish water area.

Welfare Programmes for Fishermen (CS: Rs.635.50 lakh) (Fisheries & ARD Department) SS: Rs. 635.50 lakh

6.115 Under the welfare programme for fishermen, three schemes namely, Group Accident Insurance, Savings-cum-Relief and Low Cost House are being operated in the State with 50:50 funding pattern. Scheme-wise details are given below:

Group Accident Insurance (CS: Rs.145.00 lakh) SS: Rs. 145.00 lakh

6.116 Under the scheme, life of fishermen is to be insured against death and disabilities, for which an amount of Rs. 145.00 lakh has been proposed towards State Share to cover 10,00,000 fishermen during the Annual Plan: 2012-13.

Savings-cum-Relief (CS: Rs.108.00 lakh) SS: Rs. 108.00 lakh

6.117 Under the scheme to give benefit to fishermen during lean period of fishing and also to inculcate the habit of savings among fishermen for which an amount of Rs. 108.00 lakh has been proposed towards State share to cover of 17,000 beneficiaries during the Annual Plan: 2011-12.

Low Cost House (NWFF) (CS: Rs. 382.50 lakh) SS: Rs. 382.50 lakh

6.118 Under the scheme to provide basic civic amenities to eligible fishermen in inland and marine sectors like houses, drinking water and community hall, a
provision of Rs. 382.50 lakh has been proposed, for construction of 1,500 Low Cost Houses during the Annual Plan: 2012-13.

**Development of Marine Fisheries, Infrastructure and Post Harvest Operations**
*Motorisation of Traditional Crafts*  
(Fisheries & ARD Department)

6.119 The traditional marine fishermen are being provided subsidy for availing Out-board Engines for Mechanization (OBM) of their country crafts with 8-10 HP, OBM in order to enable them going deeper water for fishing and returning to shore in a minimum time. For this purpose, an outlay of Rs.120.00 lakh has been proposed in the Annual Plan: 2012-13 towards State Share to cover 800 Fishermen for mechanizing their Crafts.

**Fishermen Development Rebate on HSD Oil**  
(Fisheries & ARD Department)

6.120 Under this Scheme, the subsidy provided is 50% of the sales tax exemption on HSD by State Government with a maximum limit of Rs.3.00 per lit. It is proposed to provide a provision of Rs.800.00 lakh towards State Share in the Annual Plan: 2012-13.

**Fisheries Training and Extension**  
(Fisheries & ARD Department)

6.121 For payment of stipend to trainees, establishment of Fish Farmers Training Centers, Organisation of Workshops, Production of documentary Films and establishment of awareness centers at different places to popularize Fisheries activities in the state. An amount of Rs.10.38 lakh is proposed in the Annual Plan: 2012-13 for meeting the State share for implementation of the aim and objective of this Scheme and for construction of training centers.

**Innovative Initiative (Capacity Building & Training)**  
(Fisheries & ARD Department)

6.122 With the advent of new technology, new species are inoculated to the culture system with the IMC. So it is proposed to train 1,000 beneficiaries. An amount of Rs.3.75 lakh as 25% State Share has been proposed towards State share during the Annual Plan: 2012-13.

**Safety of Fishermen at Sea**  
(Fisheries & ARD Department)

6.123 Under this scheme it is required to provide Search Rescue Beacon (SRB)/ DAT to the Fishermen as welfare measure. An amount of Rs.12.94 lakh has been
proposed towards 25% State Share during the Annual Plan: 2012-13 to provide assistance to 450 beneficiaries.

**Up Gradation & Modernisation of Fisheries Harbour and Fish Landing Centres**

(Fisheries & ARD Department)

6.124 Under this scheme it has been proposed for up gradations of Dhamara fishing Harbour under TCP of FAO. An amount of Rs.250.00 lakh is proposed in the Annual Plan: 2012-13 towards 25% State Share for implementation of the Scheme.

**Development of Shore Base Facilities**

(Fisheries & ARD Department)

6.125 To facilitate procurement of Marine Fish production development of shore base is essential. For this purpose a provision of Rs.204.80 lakh has been proposed towards 25% State Share during the Annual Plan: 2012-13 for establishment of shore based facilities.

**Establishment of Fishing Harbour and Fish Landing Centres**

(Fisheries & ARD Department)

6.126 Under the scheme, it is proposed to construct and complete the project like – Bahabalpur Fishing Harbour, Chandipur Fishing Harbour and Chudamani Fishing Harbour. An outlay of Rs.600.00 lakh has been proposed in the Annual Plan: 2012-13 which includes Rs.150.00 lakh as 25% State Share for ongoing projects of Balugaon, Hatabaridi and new project at Chandipur and Chudamani FH/FLC.

**CENTRAL PLAN**

**Strengthening of Data Base and Information System for Fisheries Sector**

(Fisheries & ARD Department)

6.127 For improving statistical database relating to Fisheries sector under Central Plan Scheme, an outlay of Rs.64.24 lakh has been proposed for the Annual Plan: 2012-13.

**Enforcement of Marine Fishing Regulation Act**

(Fisheries & ARD Department)

6.128 The scheme includes training and capacity building of fisheries for co- management and measures for the conservation of the marine resources like stocking, ranching, implementation of the regulation and restrictions, infrastructure development for conservation and development of the marine resources. Under this scheme, a provision of
Rs. 56.00 lakh has been proposed in the Annual Plan: 2012-13 for management of marine fisheries.

**Introduction of Intermediate Craft of Improved Design**  
(CS: Rs.0.01 lakh)  
(Fisheries & ARD Department)

6.129 The scheme will be implemented through NCDC and the beneficiaries of co-operatives will be eligible for assistance. A token amount of Rs.0.01 lakh has been proposed during the Annual Plan: 2012-13 for 15 crafts.

**Safety of Fishermen at Sea**  
(CS: Rs.0.01 lakh)  
(Fisheries & ARD Department)

6.130 Under this scheme, GPS and Wireless sets to the small-mechanized fishing vessels of below 20 mtr. Length, 75% of the Unit Cost of the equipments will be provided. For this, a token provision of Rs.0.01 lakh has been kept for Annual Plan: 2012-13.

**Development of Post Harvest Infrastructure**  
(CS: Rs.0.01 lakh)  
(Fisheries & ARD Department)

6.131 Developing marketing infrastructure such as retail vending Kiosks is necessary in the State for better marketing infrastructure of the Co-operatives. The Apex Body namely Orissa State Fishermen Co-operative Federation Ltd., Bhubaneswar have taken initiative to supply of Aluminium container, Bicycle with ice box, Auto Rickshaw with ice box and Solar Fish Drier and Fish Selling Platform. A token amount of Rs.0.01 lakh has been proposed for the scheme during the Annual Plan: 2012-13.

**Promoting of Fuel Efficient Environment Friendly Fishing Practice- Promotion of CNG/LPG Driven Engine**  
(CS: Rs.0.01 lakh)  
(Fisheries & ARD Department)

6.132 A token provision of Rs.0.01 lakh has been proposed during the Annual Plan: 2012-13 to provide subsidy under the scheme.

**ANIMAL RESOURCES AND DAIRY DEVELOPMENT**

**Introduction**

6.133 Animal Husbandry and Dairy Development Plan Programmes are implemented in rural areas to promote the standard of rural livestock holding for generation of additional income for farmers’ families. Animal Resource Development Department plays a major role in providing veterinary health care services and in improving the production potentialities of livestock reared in the State. The 12th Plan strategy has capitalized on the accelerated poverty reduction and higher economic growth with inclusive growth. An outlay of Rs.6,235.00 lakh and an amount of Rs.500.00 lakh have been...
proposed for the Annual Plan: 2012-13 for Animal Husbandry Sector and Dairy Development Sector respectively.

6.134 The 12th Five Year Plan has emphasised on bridging the critical gaps in service delivery system and to adopt improvement for revitalising the present status of the livestock service delivery institution. The salient strategies for development of the sector for 2012-13 are outlined below:

(i) Provision of quality breeding services at Frozen Semen Artificial Insemination (FSAI) centres through supply of inputs round the year.

(ii) Introduction of Genetic up-gradation of cattle and female calf rearing programme under RKVY for increased milk production

(iii) Preservation of native germplasm.

(iv) Enhancement of self employment avenues through Dairy Entrepreneurship Development Scheme (DEDS)

(v) Production of quality milk and milk products by OMFED.

(vi) Setting up of Rural Backyard Poultry units to ensure additional income to rural farmers.

(vii) Strengthening of production capacity of poultry breeding farms under RKVY assistance.

(viii) Genetic upgradation of Goats and implementation of Goat scheme under RKVY.

(ix) Assisting farmers for integrated fodder production programme under RKVY.

(x) Upgradation skill in ARD Sector for self employment

(xi) Strengthening of disease diagnostic facilities through disease diagnostic laboratory under RKVY.

(xii) Establishment of new LACs in GPs having no veterinary institutions and provision of mobile veterinary units in remote areas.
The targets and achievements in respect of 11th Plan and proposed target of 12th Plan for ARD Sector are indicated below.

<table>
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<tr>
<th>Sl. No</th>
<th>Item</th>
<th>Unit</th>
<th>Eleventh Five Year Plan (2007-12)</th>
<th>Annual Plan 2011-12</th>
<th>Eleventh Plan 2007-12 Anticipated Achievement</th>
<th>Twelfth Five Year Plan 2012-17 (Tentative Target)</th>
<th>Annual Plan 2012-13 (Proposed Target)</th>
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**STATE PLAN**

**ANIMAL HUSBANDRY**

6.135 The State Plan ceiling for 2012-13 has been approved for Rs.6,235.00 lakh for Animal Husbandry Sector out of which Rs.500.00 lakh is towards State Share of CSP, Rs.1,735 lakh under RIDF and Rs.4,000.00 lakh for other State Plan Schemes. Out of this Plan provision, the flow of funds to TSP and SCSP of Rs.1,466.40 lakh and Rs.1,210.20 lakh respectively.

**Opening of New LAC** (Rs.1,583.58 lakh)

6.136 The aim of the scheme is to provide veterinary services in the GPs having no veterinary institution by establishing one LAC. It is proposed to keep a provision of Rs. 1,583.58 lakh for opening of 300 new LACs during the Annual Plan: 2012-13.

**Strengthening of Orissa Biological Products Institute** (Rs.35.00 lakh)

6.137 The production of Veterinary Biological products is the principal activity under the scheme. The State Plan assistance will continue during 12th Plan period to make it viable to carry on its own functions for production of vaccines independently. It is proposed to produce 261lakh doses of livestock vaccines through induction of fermentor
technology and automatic bottling Unit. The Annual Plan outlay for 2012-13 has been proposed for Rs.35.00 lakh. The recurring expenditure of Rs.30.00 lakh is proposed towards consumable, chemicals for the year 2012-13. For vaccine transportation, a sum of Rs.5.00 lakh has been proposed.

**Upgradation of Skills for Self-employment under ARD Sector**

(Fisheries & ARD Department)

6.138 This is a continuing scheme and implemented in all districts of the State with organization of training programmes at GP level. Each training programme includes 20 farmers having actual livestock holdings and real interest for adopting animal husbandry as an occupation for self-employment. During 2012-13, it is proposed to provide Rs.23.20 lakh to organize 116 batches of farmers’ training programmes involving 2,320 farmers in all districts of the State.

**Utilisation of Crop Residues**

(Fisheries & ARD Department)

6.139 The scheme has been implemented since 2008-09 with objective of enrichment of the crop residue for better utilization and preservation of seasonal excess fodder for the lean period. It is proposed to keep a provision of Rs.20.00 lakh during the year 2012-13.

**Training and Demonstration in Fodder Cultivation and Pasture Development and Strengthening of Fodder Farms**

(Fisheries & ARD Department)

6.140 The Departmental Fodder farms play a key role in production of inputs towards enhancement of fodder resources of the State. During 2012-13, for development of fodder demonstration farms, production of root slips and certified fodder seeds, training of farmers and for logistic support for minikit distribution, it is proposed to keep a provision of Rs.77.70 lakh.

**Strengthening of Live stock Service Infrastructure and Modernization of Offices**

(Fisheries & ARD Department)

6.141 It is a continuing State Plan Schemes. The aim of the scheme is to provide referral diagnosis and treatment facilities to provide better animal health services to livestock owners. It is proposed to provide, a sum of Rs.999.00 lakh during 2012-13 under the scheme for furnishing of 200 LACs, construction of 6 CDVO offices, up-gradation of 11 sub-divisional veterinary hospitals and infrastructure improvement to 100 Veterinary Service Delivery Centres (VSDCs).
Organisation of Exhibition for Buyer-Seller Meet and Transfer of Technical Know-how to Farmers  
(Fisheries & ARD Department)  

6.142 The Buyer-Seller Meet will be organized to acquaint farmers with different breeds of livestock and poultry and its rearing practices for their economic benefits. This will establish direct contact between producer buying agents, processors and users. It is proposed to keep a provision of Rs.15.00 lakh during 2012-13 to organize State level meet and district level exhibitions during Gosambardhana week.

Upgradation of Livestock Health Care Services  
(Fisheries & ARD Department)  

6.143 This scheme was introduced in 2010-11. The aim of the scheme is to ensure availability of essential medicines and other consumables at veterinary field institutions for providing curative treatment of livestock. Animal Health Camps in intensive blocks and deworming camps at village level for sheep and goat will be organized. The life saving drugs will be supplied to veterinary institutions for treatment of livestock. The medicines and other consumables at the veterinary service institutions will be provided for due treatment for recovery from any ailments for increasing the productivity. It is proposed to keep a provision of Rs.291.80 lakh during the year 2012-13.

Capacity Building and Strengthening of Training Infrastructure under ARD Sector  
(Fisheries & ARD Department)  

6.144 To achieve the objective of human resource development in ARD Sector, the Societies for Management for Information, Learning & Extension (SMILE) will be strengthened. It is intended to initiate their activities in the field of HRD and extension services in the ARD Sector. SMILE will be an agency on behalf of Animal Husbandry Department to organize training at field level. The infrastructure at Livestock Inspector Training Centres (3), Veterinary Officers Training Institute, Frozen Semen Training Centre, Animal Disease Research Institute will be renovated for conducting basic L. I. Training (300 numbers @ 100 numbers per L. I. Training Centre). It is also targeted to send 60 staff 2 from each district of Animal Husbandry Sector for exposure visits to premier institutions outside the State. It is proposed to keep a provision of Rs.57.20 lakh during the year 2012-13.

Encouragement of Commercial Poultry Entrepreneurs and Backyard Poultry Production  
(Fisheries & ARD Department)  

6.145 The aim of the scheme is to encourage commercial poultry farms by reimbursing the VAT on poultry feed ingredients and entry tax. It is also targeted to provide good quality day-old chicks from the nearby Govt. hatchery. The departmental poultry breeding farms will be strengthened to rear parent stock layer birds for production
of hatching eggs of low input technology birds. The hatching eggs will be supplied to Hatcheries for production of day old chicks. For reimbursement of VAT on maize and broken rice, entry tax on egg, chicks and poultry birds and recurring expenses for 10 farms, it is proposed to keep a provision of Rs.54.00 lakh during the year 2012-13.

**Genetic Up-gradation of Small Animals**

(Rs.46.00 lakh)

((Fisheries & ARD Department)

6.146 The aim of the scheme is to upgrade indigenous sheep, goat and pig to enhance their productivity. During 2012-13, it is proposed to expand 3 Government Farms, one pig farm and recurring expenses for farm management. It is proposed to keep a provision of Rs.46.00 lakh during the year 2012-13 for the purpose.

**Information, Education & Communication Programmes**

(Rs.46.64 lakh)

(Fisheries & ARD Department)

6.147 The scheme envisages organization of film shows, calf rally, Exhibition, District Mahostav, production of documentary film/DVDs and telecasting, publication of booklets, Gramsat Programme & functioning of Audio Visual Van. The livestock extension programme is intended to educate farmers to practice modern and scientific methods for enhancing productivities of animal resources. It is proposed to keep a provision of Rs.46.64 lakh during the year 2012-13.

**Conservation and Improvement of Threatened Indigenous Breeds**

(Rs.24.00 lakh)

(Fisheries & ARD Department)

6.148 The scheme aims at conservation and improvement of local indigenous breeds like Binjharpuri Cattle, Chilika and Paralakhemundi Buffalo for the benefit of farmers. The outstanding males and females detected in their native tracts will be brought to the nucleus herd and the replaced breeding stock will be sent to farmers’ flocks, thus ensuring open nucleus breeding system. Farmers will be sensitized and given incentives for maintaining the nucleus herd. Monitoring and supervision will be done through Orissa Livestock Resource Development Society (OLRDS). It is proposed to keep a provision of Rs.24.00 lakh during the year 2012-13.

**Strengthening of Disease Surveillance by Animal Disease Research Institute (ADRI)**

(Rs.35.00 lakh)

(Fisheries & ARD Department)

6.149 The scheme intends to control / eradicate the contagious disease of animals having economic and zootomic importance. This scheme will pave the way for formulation of rules under Disease Acts to control migration of animals through establishment of animal check posts and quarantine camps in the border areas of the State. An amount of Rs.35.00 lakh is proposed for this scheme during the year 2012-13.
This new scheme intends to take up integrated cattle development programmes in 10 districts and goat development programmes in 5 districts. Under the scheme, the Bharatiya Agro Industries Foundation (BAIF) will open 100 cattle development centres and provide artificial insemination services to cattle and buffalo in their operational areas. The Government of Orissa has made an agreement with BAIF to undertake Integrated Livestock Development Programme “KALYANI” in 10 districts. Under RKVY, perennial and seasonal fodder demonstration will be taken up through BAIF Development Research Foundation. The recurring expense to take up fodder cultivation programme through BAIF amounting to Rs.350.21 lakh is required. Under goat development programme, it is proposed to supply 900 breeding bucks for genetic upgradation of local goat. 600 Farmers’ Interest Groups (Goat Group) will be constituted in different localities involving farming communities and 2,000 goat keepers will be trained. 900 breeding bucks suitable to local geographical situations will be kept for genetic upgradation. 25 goat rallies will be organized. The Government of Orissa has made an agreement with BAIF to undertake Integrated Livestock Development Programme – KALYANI in 5 districts viz., Mayurbhanj, Sundargarh, Keonjhar, Balangir and Deogarh. BAIF will provide required extension services to goat keepers participating in the project. It is also proposed to take up activities like Development of Chipilima Farm,. Field Performance Recording System (FPRS) and embryo transfer technology in the State in collaboration with BAIF. An amount of Rs.691.88 lakh is proposed for this scheme during the year 2012-13.

The aim of the scheme is to strengthen infrastructure of livestock service institutions such as Veterinary Dispensaries, Livestock Aid Centres and strengthening of Orissa Biological Product Institute (OBPI). New proposals are proposed to strengthen the production infrastructure of fodder farms, promotion of infrastructure relating to breeding activities and creation of infrastructure towards disease diagnosis. It is proposed to provide an amount of Rs.1,735.00 lakh for the year 2012-13 for RIDF.

This is a continuing CSP schemes with funding pattern of 75:25 as CS:SS. The scheme is implemented to control livestock diseases through conducting mass vaccination and diagnosis of diseases in the newly established DDLS in order to ensure dispensation of casualties and loss to the farmers. It is proposed to administer preventive
vaccination to livestock and poultry. The logistic required for carrying out routine vaccination in shape of vaccine carrier, needle, syringe, diagnostic kits, cotton etc. will be provided. Awareness- cum- Health camps will be provided. Awareness-cum-Health camps will be organized both at block level and district level. During 2012-13, it is proposed to provide Rs.300.00 lakh as State Share in CSP and Rs.938.00 lakh as Central Share for the implementation of the programme.

Sample Survey on Estimation of Production of Milk, Meat, Egg, and Wool (ISS) (Fisheries & ARD Department)

6.153 This is a continuing CSP scheme with funding pattern of 50:50 as CS:SS. The sample survey is undertaken to know the performance of plan programmes towards increasing livestock productivity. It is a salary oriented scheme for which a sum of Rs.80.00 lakh has been proposed for Annual Plan: 2012-13.

Grants to Orissa Veterinary Council for Professional Efficiency Development (Fisheries & ARD Department)

6.154 This is continuing CSP scheme with the funding pattern of 50:50 as CS:SS. The scheme supports programmes to improve the professional efficiency by implementing the norms of Veterinary Council of India. The training programme of Vets will be given emphasis under this programme. During 2012-13, Rs.13.50 lakh is proposed to be provided against the Central Share of Rs.13.50 lakh.

Fodder Seed Distribution in the State (Fisheries & ARD Department)

6.155 This is a CSP scheme with the funding pattern of 75:25 as CS: SS. It is proposed to continue the programme during 2012-13 for which a token provision of Rs.5.00 lakh has been proposed as State Share. The aim of the programme is to encourage Fodder Cultivation by multiplication and distribution of Fodder Seeds.

Establishment of Poultry Estate (Fisheries & ARD Department)

6.156 This is a CSP scheme with the funding pattern of 75:25 as CS:SS. One poultry estate at Mayurbhanj is to be established under CSP to promote small scale Poultry Farming in the State. This is to enable the entrepreneurs to set up different commercial layer/broiler unit. The Central Share and the State Share for implementation of the scheme is Rs.99.00 lakh and Rs.33.00 lakh respectively for the year 2012-13.
Establishment and Strengthening of existing Veterinary Hospitals and Dispensaries (ESVHD) (Fisheries & ARD Department)

6.157 This is a CSP scheme with the funding pattern of 75:25 as CS:SS. At present, there are no uniform criteria/norms for setting up Veterinary Institutions (Veterinary Hospitals & Dispensaries) in the State. As a result of which, there is wide variation in the infrastructure/equipments available with these institutions. It is proposed to strengthen/equip the existing ones in order to bring parity among all these institutions. The Central Share for implementation of the scheme is proposed for Rs.205.50 lakh and the State Share is proposed for Rs.68.50 lakh for the year 2012-13.

CENTRAL PLAN

National Project for Rinderpest Eradication (Fisheries and ARD Department)

6.158 The scheme carries the object of creating awareness among the farmers regarding eradication of the Rinderpest disease. The programme covers all the 30 districts. It is proposed to provide Rs.20.00 lakh under the scheme during 2012-13.

Livestock Census (Fisheries & ARD Department)

6.159 A token provision of Rs.0.01 lakh is proposed for the year 2012-13 under the scheme.

Development of Grass Land and Grass Reserve (Fisheries & ARD Department)

6.160 Under this continuing CP Scheme, potential area for Grassland and Grass Reserve will be developed leading to State Fodder Resources Development. The scheme has the objective of developing the fodder plot on the area ranging from 10-25 Acres through GP/BAIF/SHG/Milk Producer’s Co-operative Societies (MPCS)/JFM. The forage obtained from these plots will be utilized as the reserves by establishing the fodder bank depots. It is proposed to provide a sum of Rs.100.00 lakh under this scheme for the year 2012-13.

Rural Backyard Poultry Development (Fisheries & ARD Department)

6.161 This programme was introduced during 2010-11. The scheme envisages establishment of 30,000 backyard poultry units along with establishment of 104 mother units (chick rearing unit). The loan component under this scheme will be released
separately to NABARD. It is proposed to provide Rs.474.55 lakh under the scheme during 2012-13

**Integrated Development of Small Ruminants and Rabbits** (Rs.205.44 lakh)  
(Fisheries & ARD Department)

6.162 This is a Central Plan scheme which was introduced during 2011-12. The project is aimed at increase in the flock size with enhanced feed supply, higher price realization on selling of goats and sheep to an extent of 30% of the current realization and creation of employment avenues for 2500 numbers of small ruminant owners of the State. It is also aimed at strengthening of the sheep farm which will augur in providing quality breeding rams at village level. It is proposed to provide Rs.205.44 lakh under the scheme during 2012-13.

**National Animal Disease Reporting System (NADRS)** (Rs.3.00 lakh)  
(Fisheries & ARD Department)

6.163 The scheme was introduced during 2012-13. The scheme has the objective of creation of database regarding the disease status in the State of Odisha for identifying endemic zones for the disease thereby facilitating the process of combating the outbreaks. A sum of Rs.3.00 lakh has been proposed in the Annual Plan: 2012-13 for the scheme.

**DAIRY DEVELOPMENT**

**Strengthening of Dairy Organisation** (Rs.500.00 lakh)  
(Fisheries & ARD Department)

6.164 This is a continuing Scheme. The scheme envisages supply of inputs to FSAI Centres for conducting FSAI and production of CB females towards augmentation of milk production in the State. The logistics existing in the semen station, processing units and field institutions are to be replaced in due course for rendering uninterrupted services to the farmers. It is proposed to conduct 16 lakh A.I. during 2012-13 for which high pedigree semen straws, supply of liquid nitrogen, A.I. gun, Cryo-containers for replacement will be required. The identified bull mother farms of the States are to be strengthened to rear quality bull mothers for production of donor bulls for the future. Identification of animals, mineral mapping and ration balancing programme will be taken up. During 2012-13, it is proposed to provide Rs. 500.00 lakh for the scheme.
CENTRAL PLAN

Strengthening of Infrastructure for quality and clean Milk Production (Rs.77.00 lakh) (Fisheries & ARD Department)

6.165 This is a continuing scheme implemented through OMFED with objective of strengthening of infrastructure for quality and clean milk production. The organisation share is being borne by OMFED. During 2012-13, it is proposed to provide Rs.77.00 lakh as Central Share for implementation of the scheme by OMFED.

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