

ACTIVITY REPORT OF AGRICULTURE DEPARTMENT FOR 2008-09



GOVERNMENT OF ORISSA



Government of Orissa

ACTIVITY REPORT
OF
AGRICULTURE DEPARTMENT
DURING 2008-09
AND
PROGRAMME FOR 2009-10

AGRICULTURE DEPARTMENT

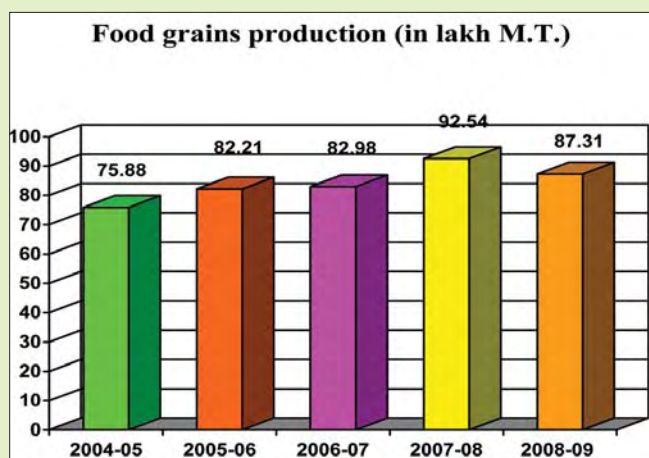
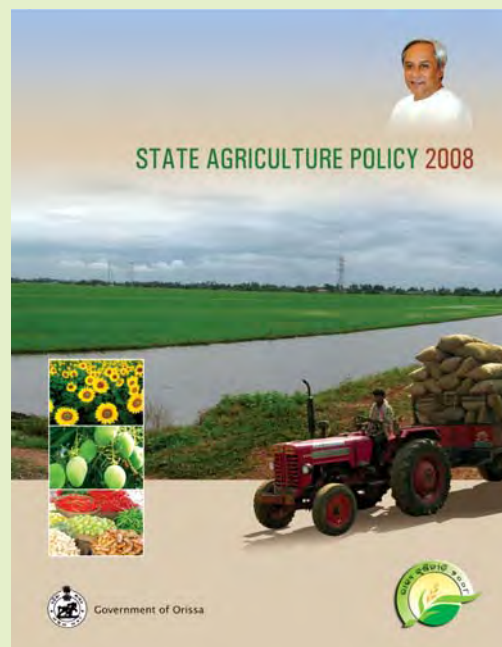
ACTIVITIES OF AGRICULTURE DEPARTMENT DURING 2008-09 AND PROGRAMMES FOR 2009-10

1. INTRODUCTION

1.1. The emphasis laid on 4% growth in Agriculture during the 11th Five Year Plan Period underscores the importance of Agriculture to the economy of the country. Agriculture is the mainstay of Orissa's economy providing livelihood support to a large section of population. Agriculture contributes about 20% of the Gross Domestic Product of the State and employs about 65% of the total work force. Nearly 65% of the population of the State depend on agriculture for their livelihood. Increase in agricultural production and farm productivity is essential for providing food security to the vast majority of the population and achieving any significant growth in the income levels of the people. Agriculture being a State subject under constitution, the State is mandated to work for development of agricultural activities in the State for increasing production and productivity

of various agro- horticultural crops, thereby increasing income of farmers of the State. A wholesome policy framework in the form of State Agriculture Policy 2008 has been resolved to have a reliable growth in Agriculture Sector of the State. The new State Agriculture Policy has come into force with effect from 1st of August, 2008.

1.2. The natural resources endowment of the State is eminently suitable for a wide variety of food grains, cash crops and horticultural crops and offers immense scope for agricultural growth. The climate of the State is tropical, characterized by high temperature, high humidity, medium to high rainfall and mild winters. The normal annual rainfall is 1451.2 mm distributed over 69 rainy days. South-West monsoon contributes about 81-83% of annual rainfall in 53-57 days during June - September. The mean annual temperature of the State is 26.89° C with mean annual maximum of 32.56°C and mean annual minimum of 21.30° C. From the physiographic point of view, the State is divided into four Zones, viz. (i) the Northern Plateau (ii) the Eastern Ghat zone (iii) the Central Table lands and (iv) the Coastal zone. On the



mild winters. The normal annual rainfall is 1451.2 mm distributed over 69 rainy days. South-West monsoon contributes about 81-83% of annual rainfall in 53-57 days during June - September. The mean annual temperature of the State is 26.89° C with mean annual maximum of 32.56°C and mean annual minimum of 21.30° C. From the physiographic point of view, the State is divided into four Zones, viz. (i) the Northern Plateau (ii) the Eastern Ghat zone (iii) the Central Table lands and (iv) the Coastal zone. On the

basis of climate, soil, rainfall, topography and cropping patterns the State has been delineated into ten Agro-Climatic Zones as given in **Annexure-I**.

2. BUDGETARY SUPPORT TO THE DEPARTMENT

2.1. The Department's elaborate field organization is supported by the Non-Plan budget of the State Government. Strategic interventions for increasing production and productivity of various crops and



plethora of Watershed Development Programmes are supported by budget provision mainly under various Centrally Sponsored Plan Schemes. Budgetary support for investment subsidy on private Tube-wells and Bore-wells and capital investment subsidy on Agro-enterprises and several other important programmes are provided under the State Plan. The horticultural development activities are mainly taken up under "National Horticulture Mission" being implemented from August'2005 in the State. The

State Government has launched a scheme for development of horticulture in Non-Mission Districts under the State Plan. Several other strategic interventions in horticulture are supported by State Plan. An ambitious watershed development programme is supported under CSP Macro Management of Agriculture, IWDP, DPAP & Special Programme for KBK region & WORLP.

2.2. During the year 2008-09, under Budget provision including Supplementary, the Department received a Non-Plan Budget provision of Rs.304.14 Crores which included Rs.31.59 Crores as Grant-in-aid to OUAT and a State Plan Budget of Rs.283.92 Crores including ACA of Rs. 10.69 Crores for KBK districts for 2008-09. Besides, under CSP scheme it received Rs.43.60 Crores under Work Plan, Rs.7.22 Crores under ISOPOM, Rs. 1.45 Crores under ICDP(Cotton), Rs.14.24 Crores under Support to State Extension Reforms programme. It also received Rs.56.31 Crores under National Food Security Mission (NFSM) and Rs.115.44 Crores under Rashtriya Krishi Vikas Yojana (RKVY) and Rs.0.3125 Crores under Coconut Development Board (CDB) scheme towards Central Share. The State has received Rs 23.41 Crores from Government of India under National Horticulture Mission against the programme of Rs 95.43 Crores for carrying out horticultural activities in 24 Mission districts of the State.

2.3. A State Plan provision of Rs.270.00 Crores has been made for 2009-10 which includes Rs. 21.37 Crores for Special Programme for KBK. Central allocation of Rs 99.26 Crores has been provided in 2009-10 towards Central Share of CSP Schemes like Work Plan, ISOPOM, CDB Scheme, etc & Rs 9.98 Crores towards CP schemes. Besides a non Plan provision of Rs. 365.42 Crores has been made for 2009-10.

2.4. The Department operates through Directorate of Agriculture, Directorate off Horticulture, Directorate of Soil Conservation and Orissa Watershed Development Mission.

3. ACTIVITIES OF THE DIRECTORATE OF AGRICULTURE

The Directorate of Agriculture provides a host of extension services and carries out a number of crop-specific programmes. The activities taken up are mostly under the Work Plan for Macro Management of Agriculture, Integrated Scheme for Oilseeds, Pulses and Maize (ISOPOM), the Intensive Cotton Development Programme (ICDP) and Jute Technology Mission (MM-II). Besides, many of the agricultural activities are also being taken up under the Centrally assisted programmes like Rashtriya Krishi Vikas Yojana (RKVY), National Food Security Mission (NFSM), National Project on Management of Soil Health & Fertility, etc. The physical and financial achievements during 2008-09 and programme for 2009-10 under Work Plan, ISOPOM, ICDP-Cotton & Jute Technology Mission (Mini Mission-II) etc. are at **Annexure-II, III, IV & V** respectively.

3.1. *Agricultural Extension Services:*

3.1.1. The Agriculture Extension machinery is engaged in the transfer of latest production technologies to the farmers round the year. There is tremendous scope for up-gradation of technologies adopted in farming of different crops in our State, as less advanced cultivation practices are being adopted in most crops by a majority of farmers. The Agricultural Extension Workers from the village level and upwards play the most significant role in facilitating this technology up-gradation. Besides personal contact and advice on package of practices on crop production, 1999 Farmers' Training Programmes, 857 Farmers' Field Schools and 12448 Demonstrations have been conducted during 2008-09 under the crop oriented programmes like Macro Management of Agriculture(Work Plan), ISOPOM, ICDP (Cotton), Jute



Technology Mission and Development & strengthening of infrastructure for production and distribution of quality seeds for bringing the advanced production technologies to the door-step of the farmers. To upgrade the skills of Agriculture Extension functionaries, capacity building of extension functionaries and alternate extension has been taken up under RKVY. Under the programme 17 batches of 20 field level Extension Officers each have undergone training for capacity building at



MANAGE, Hyderabad. Two Trainers' Training at the State level and 47 Pre-seasonal orientation training programmes for extension workers have been organized at the district levels before the Kharif and the Rabi season during 2008-09 to equip the field functionaries with the elaborate extension machinery under the Department with information about recent advances in production technologies of different crops.

3.1.2. Besides technology transfer, building awareness and confidence among the farmers for crop substitution from paddy to more remunerative non-paddy crops like pulses, oilseeds, vegetables and other horticultural crops, particularly in the highlands, encouraging varieties replacement and propagation of newer location-specific High yielding varieties, popularizing the use of improved and mechanised farm implements for carrying out field operations effectively and timely were the focus of our extension efforts.

3.2. Agricultural Farms:

There are 62 farms existing under Agriculture Directorate having a total geographical area of 1428 hectares. The Departmental farms are used for production of Foundation and Certified Seeds for use in the Department's programmes. During 2008-09, 11440 quintals of Foundation Seeds (11200 qtls. Paddy + 240 qtls. Non-paddy) and 16385 quintals of Certified Seeds (15635 qtls. Paddy + 750 qtls. Non-paddy) have been produced in these Farms. During 2009-10, it is programmed to produce 19845 quintals of Foundation Seeds (19600 qtls. Paddy +245 qtls. Non-paddy) and 18150 quintals of Certified Seeds (17150 qtls. Paddy + 1000 qtls. Non-paddy) in those farms.

3.3. Soil Testing Services:

3.3.1. Soil testing is an important technical support service needed by farmers. For catering to this need of the farmers of the State, the Department provides facilities for soil testing through 11 Soil Testing Laboratories located at Balasore, Baripada, Bolangir, Berhampur, Bhawanipatna, Cuttack, Phulbani, Sambalpur, Semiliguda & Sundargarh and a State Level Lab at Bhubaneswar with a nominal charge of Rs.5/- per sample. Four new Soil Testing laboratories are being established at Angul, Keonjhar, Nuapada and Subarnapur. Further, five mobile Soil Testing



Laboratories(Mobile Van) are being procured. Besides, 314 soil testing kits @ 1 per Block have been provided to Agriculture Officers to test the soil samples at their level. To implement the newly scheme “National Project on Management of Soil Health and Fertility (NPMSF)” budget proposal of Rs. 2000.00 lakh(SS:200.00 lakh +CS 1800.00 lakh) has been made for 2009-10.

3.3.2. During 2008-09, 114911 soil samples have been tested in the Department’s laboratories and 33205 soil samples have been tested with the help of soil testing kits.

3.3.3. During 2009-10, it has been programmed to analyse 2.00 lakh soil samples. It is proposed for setting up of 10 New Soil Testing Laboratories, procurement of 5 Mobile Soil Testing Vans, 2 Fertilizer Testing Laboratories and for conducting 157 no. of training for farmers & 20 nos. of training for Extension Officers.

3.4. **Macro Management of Agriculture**

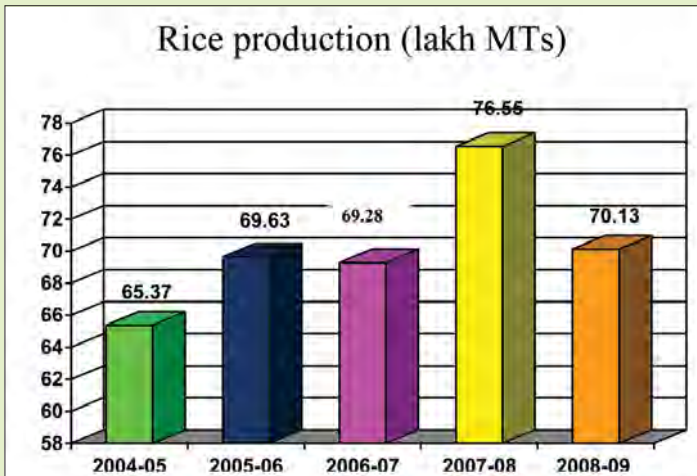
The Centrally Sponsored Scheme, Macro Management of Agriculture is the most important vehicle for strategic interventions for technology up-gradation in different crops. Started in 2001-02, the Scheme has a funding pattern of 90% Central Share and 10% State Share. The Annual Work Plan for 2008-09 had components for promotion and technology up-gradation of three major crops viz. Rice, Ragi and Sugarcane, besides a host of demonstrations and training programmes for transfer of technology. Demonstrations on Farmers’ Fields, Training through Farmers’ Field Schools and Exposure visits of farmers are the main vehicles of technology transfer for the cultivation of different crops. Seed interventions through providing incentives for production of quality seeds and subsidy on use of certified seeds were made for encouraging varieties replacement and uses of locations-specific HYV seeds. A major component of the Work Plan was the subsidization of farm machineries procured by farmers and demonstration on the efficacious use of Farm machineries. The achievement during 2008-09 and the programme for 2009-10 are given at **Annexure-II**.



3.4.1. **Rice Development:**

The following strategic interventions were made under the Work Plan for 2008-09 with an expenditure of Rs.480.87 lakhs for increasing production and productivity of rice.

3.4.1.1. 125 Farmers’ Field Schools have been organized in 15 Non-NFSM districts and 5000 rice growers were trained in various aspects of rice production. In each Farmer’s Field School 40 farmers



were trained for three times during the cropping season at a cost of Rs.17000/- for each School. Discourses on important aspects of rice production like soil testing, land preparation, variety selection, SRI method, etc. and demonstration of Integrated Nutrient Management (INM) / Integrated Pest Management/ Integrated Weed Management, Post Harvest Technology, etc were offered. Rs.21.25 lakhs has been spent on the component. Besides, assistance was also

provided to 2314 nos. of farmers @ 3000/- for conducting Field level demonstration on SRI method on hybrid/ HYV rice and mixed cropping demonstration with an expenditure of Rs.69.42 lakhs.

3.4.1.2. During 2009-10, 178 Farmers' Field School will be taken up for training 7120 rice growers at a financial out lay of Rs. 30.26 lakh and providing assistance to 2253 nos of farmers for conducting similar crop demonstrations.

3.4.1.3. For cross learning and adoption of best practices followed elsewhere in the fields of fellow farmers, 405 farmers have been sent to different places within the State and 150 farmers (5 batches comprising 30 farmers each) outside the State on exposure visits. A sum of Rs.10.82 lakh has been spent on this programme during 2008-09.

3.4.1.4. During 2009-10, it is programmed to send 400 farmers on exposure visit within the state and 120 farmers (4 batches) outside the state with a proposed outlay of Rs. 8.84 lakh.

3.4.1.5. Quality seed is a vital input for boosting the productivity and production. To equip the farmers with the package of practices for production of quality paddy seeds necessary extension support is provided. With a view to encourage farmers to take up seed production of extra early, early varieties suitable for drought prone areas and saline tolerant varieties of paddy in coastal districts, production incentives @ Rs. 100/- per quintal have been extended to the farmers on 20,000 quintals with a financial involvement of Rs.20.00 lakhs.

3.4.1.6. It is proposed to continue incentives for production of such paddy seeds of varieties released within last five year @ Rs.100/- per quintal on 50630 quintals during 2009-10 with an outlay of Rs.50.63 lakh.

3.4.1.7. In order to encourage varietal replacement and use of new HYV of paddy seeds, subsidy was given to the farmers for use of paddy seeds released within the last 10 years @ Rs.500/- per Qtl. During 2008-09, 40133 qtls of subsidized paddy seeds were distributed to the farmers with expenditure on subsidy of Rs.200.67 lakhs.

3.4.1.8. The target for 2009-10 is fixed at 51,364 qtls with a proposed outlay of Rs 256.82 lakh in the 15 non-NFSM districts.

3.4.1.9. For encouraging use of green manure, incentives @ Rs.200/- per qtl will be provided to the farmers on 425 qtls. of seeds of Dhanicha (green manure) at an expenditure of Rs.0.85 lakh in the 15 non-NFSM districts.

3.4.1.10. It is programmed to distribute 2000 qtls of green manure seeds at subsidized rate during 2009-10 with the provision of Rs 4.00 lakh.

3.4.1.11. Block level awareness campaigns i.e. Krushak Sampark Melas were organised in each block during 2008-09 at a cost of Rs.94.20 lakh to create awareness among the farmers about various schemes and crop practices for 314 blocks.



3.4.1.12. Similar proposal has been made for organizing 314 Krushak Sampark Mela/ Farmers' Awareness Campaign in all the blocks during 2009-10 with an outlay of Rs.94.20 lakh.

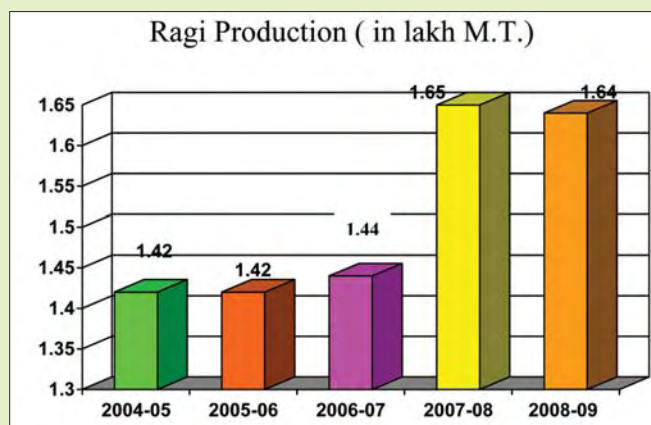
3.4.1.13. Besides, during 2008-09, 48 numbers of Krushak Divas were celebrated with an expenditure of Rs.3.60 lakh.

3.4.1.14. Similar proposal has been made for organizing 48 Krushak Divas in the 47 Agriculture districts and one at state level during 2009-10 with an outlay of Rs.3.60 lakh.

The achievements during 2008-09 and the programme for 2009-10 are given in **Annexure-II**.

3.4.2. **Ragi Development**

3.4.2.1. Ragi is the only cereal crop suitable for growing in medium and uplands having high drought



resistance. But the productivity of the traditionally grown crop is low due to cultivation of locally available low yielding varieties and poor crop management. Increase in productivity of Ragi would directly help in raising nutritional levels of the tribal population since it is predominantly grown in the tribal areas. Varietal improvement and up-gradation of technologies of Ragi cultivation are, therefore, important. 3000 demonstrations of one acre each

were conducted in the State, especially in tribal belts @ Rs 500/- per each demonstration at a total cost of Rs.15.00 lakh under the Work Plan for introducing appropriate package of practices for the Ragi growing farmers during 2008-09.

3.4.2.2 3000 numbers of such demonstration will be taken up in 2009-10 for which Rs 15.00 lakh has been proposed.

3.4.2.3. 47 Farmers' Field Schools (FFS) on production technology were conducted in areas having compact patches of Ragi Demonstration in predominantly ragi growing districts of the state and 1410 farmers were trained with an expenditure of Rs.4.00 lakh during 2008-09.



3.4.2.4. It is also programmed to take up 50 such FFS during 2009-10 with an proposed outlay of Rs.4.25 lakh.

3.4.2.5. During 2008-09, 400 quintals of subsidized ragi seed have been distributed to the farmers at a subsidy rate of Rs. 400/- per quintal. Rs. 1.60 lakhs of subsidy has been provided to the farmers for the purpose.

3.4.2.6. It is programmed to distribute 250 quintals of ragi seeds to the farmers at a subsidized rate during 2009-10 with an outlay Rs. 1.00 lakh

3.4.2.7. 150 ragi-growing farmers were sent on exposure visit to different places within the State for acquiring more knowledge on cultivation technology of ragi incurring an expense of Rs.1.88 lakh. Similarly, 2 batches of farmers were sent to visit neighbouring ragi growing States with an expense of Rs.1.92 lakh for the purpose.

3.4.2.8. This programme will be continued during 2009-10 with an outlay of Rs.4.38 lakhs for exposure visit of 120 farmers within the state & 3 batches (90 farmers) outside the state.

The achievements during 2008-09 and the programme for 2009-10 are given in **Annexure-II**.

3.4.3. **Sugarcane Development**

3.4.3.1. Under the Work Plan, 595 Nos. Ratoon Management Demonstrations of one acre each have been taken up at a cost of Rs.3500/- per demonstration with a total expenditure of Rs.20.83 lakhs to demonstrate better ratoon management practices for adoption during 2008-09.

3.4.3.2. The programme will be continued during 2009-10 and 600 such demonstrations will be taken up with a financial outlay of Rs 21.00 lakh.

3.4.3.3. Similarly, 990 technology demonstrations (pit Method) and 600 inter cropping demonstrations were also conducted during 2008-09 with a financial outlay of Rs.74.25 lakh and Rs 3.01 lakh respectively.

3.4.3.4. During 2009-10, 900 technology demonstrations and 574 inter cropping demonstrations will be taken up with a financial outlay of Rs.67.50 lakh and Rs 2.87 lakh respectively.



3.4.3.5. Two groups of 30 sugarcane growing farmers each, were sent on exposure visit outside the State and 200 farmers within the State with a financial involvement of Rs.5.38 lakhs with a view to acquaint them with better cultivation practices through cross-learning during 2008-09.

3.4.3.6. During 2009-10, it has been programmed to send 200 farmers within the state and 3 batches of farmers outside the state on exposure visit with a financial outlay of Rs 5.38 lakh.

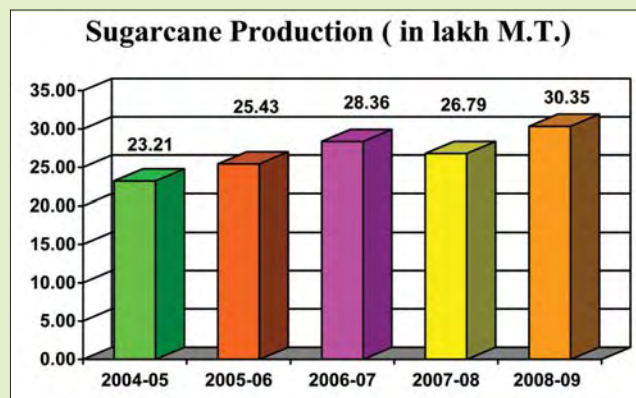
3.4.3.7. During 2008-09, 75 farmer's field schools have been conducted in sugarcane crop with participation of 25 cane growers in each school with an expenditure of Rs. 11.25 lakh.

3.4.3.8. Basing on the success and response of programme it is proposed to conduct 75 numbers of Farmers' Field schools during 2009-10 with an outlay of Rs11.25 lakh.

3.4.3.9. Incentive on seed multiplication was provided to farmers in an area of 1250 acres during 2008-09 with a financial involvement of Rs.10.00 lakh.

3.4.3.10. During 2009-10, it has been programmed to take up seed multiplication in 1250 acres by providing incentives to a tune of Rs10.00lakh.

3.4.3.11. Subsidy of Rs.10.00 lakh was extended to farmers @ Rs.400/-per acre for 2500 acres of seed cane of improved/ high yielding varieties during 2008-09.



3.4.3.12. During 2009-10, it has also been programmed to assist farmers by providing subsidy on 2850 acre of seed canes with an outlay of Rs11.40 lakh.

3.4.3.13. During 2009-10, it has been envisaged to organize 3 nos. of "Farmers- Scientists-Extension workers Interface" with financial involvement of Rs.0.90 lakh.

The achievements during 2008-09 and the programme for 2009-10 are given in **Annexure-II**.

3.5. Integrated Schemes of Oilseeds, Pulses, Oil Palm and Maize

During 2004-05 the Oilseed Production Programme (OPP), National Pulse Development Programme (NPDP), Accelerated Maize Development Programme (AMDP) and Oil Palm Development Programme (OPDP) have been merged into a single scheme christened as ISOPOM (Integrated Scheme of Oilseeds, Pulses, Oil Palm and Maize) with 75% assistance from the centre and 25% of the cost being met by the State. A programme with a total outlay of Rs.1256.00 lakh was proposed during 2008-09 with Central Share of Rs.942.00 lakh. Basing on the Government of India release, Rs 825.97 lakh was sanctioned of which different programmes were implemented with an expenditure of Rs 824.09 lakh. During 2009-10, Rs 1439.99 lakh (SS Rs.359.99 lakh + CS Rs.1080.00 lakh) has been provisioned for taking up similar programmes, the details of which are given in **Annexure-III**.

3.5.1. Oilseed Crop Development [ISOPOM (Oilseeds)]

3.5.1.1. For improving availability of HYV Seeds, during 2009-10, 500 quintals of breeder seeds will be procured through Govt. of India with an expenditure of Rs.22.50 lakh.

3.5.1.2. Under Seed Distribution Programme quality seeds of groundnut, mustard, sesamum, niger were supplied to the farmers at subsidized rates. 22499 quintals of Certified/TL seeds have been supplied during 2008-09 to the farmers with a total subsidy of Rs.269.99 lakh.

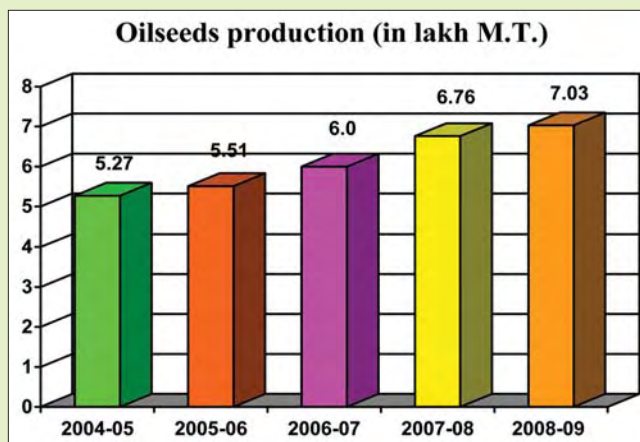
3.5.1.3. During 2009-10, it has been programmed to distribute 61700 quintals of various certified/TL seeds of oilseed crops with an financial involvement of Rs.740.40 lakh as subsidy under the Scheme.

3.5.1.4. 46831 numbers of Seed Minikits provided by Govt of India were distributed to the farmers of the State under this Programme free of cost during 2008-09.

3.5.1.5. Input Subsidy was provided to the farmers during 2008-09 on use of gypsum and rhyzobium culture to boost the productivity of groundnut in the State. A total area of 14604 hectares under gypsum and 4192 hectares under rhyzobium have been covered with an expenditure of Rs.109.54 lakh and Rs. 2.79 lakh respectively.

3.5.1.6. Input subsidy will also be provided to the farmers during 2009-10 on use of Gypsum for 10000 hectares with an outlay of Rs.75.00 lakh.

3.5.1.7. During 2008-09, 100 nos Farmers' Field School (FFS) & 312 nos. of Farmers' Training have been conducted with an expenditure of Rs.22.68 lakh and Rs.46.80 lakh respectively.



3.5.1.8. During 2009-10, it has been programmed to conduct 100 numbers of FFS and 314 nos. of farmer's training with an outlay of Rs.22.68 lakh and Rs 47.10 lakh respectively.

3.5.1.9. To demonstrate improved methods of oilseed production, 400 nos. of Block demonstrations were conducted with an expenditure of Rs10.88 lakh during 2008-09.

3.5.1.10. It has been programmed to take up 925 nos. of such block demonstrations during 2009-10 with a provision of Rs.26.25 lakh.



The achievements during 2008-09 and the programme for 2009-10 are given in **Annexure-III**.

3.5.2. **Pulses Crop Development [ISOPOM (Pulses)]**

Pulse crops cover 12% of the gross cropped area in kharif, where as it covers as much as 51% of



of the total rabi cropped area. However the productivity of the pulses is around 497 kg per hectare as against likely national average of 638 kg per hectare. So there is considerable scope for improvement in productivity. The following activities have been taken up during 2008-09 with an expenditure of Rs.163.39 lakh for seed intervention, technology up-gradation and mechanization etc. The achievements during 2008-09 and the programme for 2009-10 are given in **Annexure-III**.

3.5.2.1. To popularize the Integrated Pest Management technologies 180 IPM demonstrations were conducted during 2008-09 in FFS pattern with an expenditure of Rs.40.83 lakhs.

3.5.2.2. It is programmed to conduct 180 such IPM demonstrations during 2009-10 with an outlay of Rs 40.82 lakh.

3.5.2.3. During 2008-09, 595 nos. of Block demonstrations were conducted with an expenditure of Rs11.90 lakh to demonstrate improved methods of pulse production.

3.5.2.4. It has been programmed to take up 600 nos. of such block demonstrations during 2009-10 at an outlay of Rs.12.00 lakh.

3.5.2.5. To increase irrigation efficacy 60 sprinkler sets have been supplied to the farmers during 2008-09 at subsidized rates with an expense of Rs.4.50 lakh.

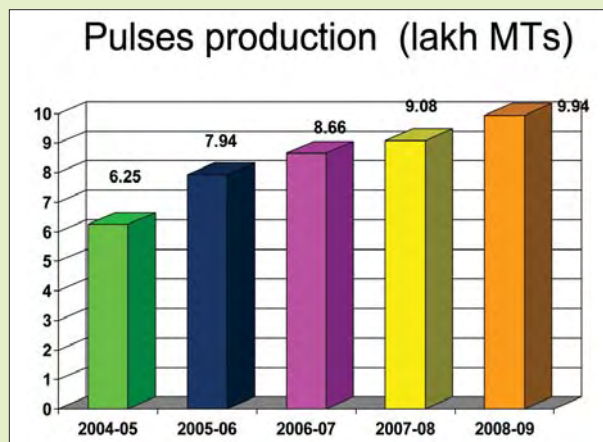
3.5.2.6. It has been proposed to supply 50 sprinkler sets with an outlay of Rs.3.75 lakh during 2009-10.

3.5.2.7. During 2008-09, 3785 numbers of plant protection equipments were supplied to the Pulse growing farmers for taking PP measures with a cost of Rs.34.11 lakh.

3.5.2.8. During 2009-10, it is proposed to spend Rs.28.00 lakh on supply of 3500 nos. of sprayers.

3.5.2.9. To promote organic packages and practices in pulse crops assistance to a tune of Rs. 12.40 lakh was provided to farmers during 2008-09 for establishment of 620 nos. of vermi-compost units.

3.5.2.10. During 2008-09, 314 Farmers' Training Programmes were conducted for up-gradation of farmers' knowledge on crop production technology with an expenditure of Rs. 47.10 lakhs. It has been proposed to continue the programme during 2009-10 with a provision of Rs. 47.10 lakhs.



3.5.3. **Maize Crop Development [ISOPOM (Maize)]**



Maize is grown in 2.29 lakh hectares in the State. Kharif Maize alone contributes about 2.11 lakh hectares. It is cultivated in Kharif in Ganjam, Gajapati, Keonjhar, Koraput, Nabarangpur, Mayurbhanj and Kalahandi districts. The productivity of Maize in the State is likely to be 2291 kg per hectare. The maize development activities are being operated through centrally sponsored scheme - ISOPOM (Maize). During 2008-09 the following programmes have been taken up under Maize crop.

3.5.3.1. Integrated Pest Management in Maize crop was taken up through 120 nos. of demonstration with an expenditure of Rs.27.22 lakh.

3.5.3.2. It is proposed to conduct 80 nos. of IPM demonstrations with an outlay of Rs.18.14 lakh during 2009-10.

3.5.3.3. 200 hectares of Block demonstrations were conducted with an expenditure of Rs.7.99 lakh to demonstrate improved methods of maize cultivation during 2008-09.

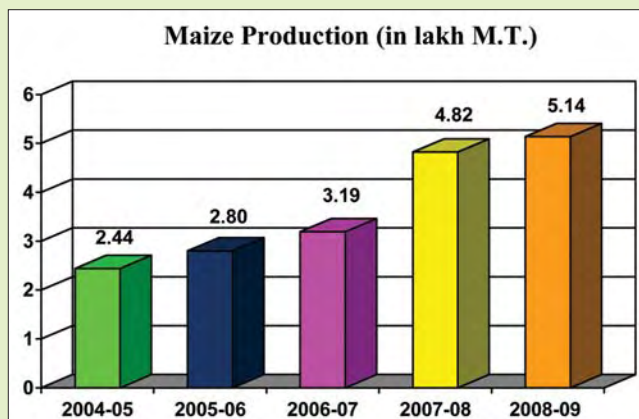
3.5.3.4. It is programmed to take up 100 nos. of block demonstrations at an expense of Rs.4.00 lakh during 2009-10.

3.5.3.5. Farmer's Training Programme was organized for maize growing farmers through 100 camps during 2008-09 at an expenditure of Rs.15.00 lakh.

3.5.3.6. 3017 plant protection equipments were supplied to the Maize farmers during 2008-09 for taking PP measures with a cost of Rs.24.09 lakh.

3.5.3.7. During 2009-10, it is proposed to spend Rs.12.00 lakh on supply of 1500 nos. of sprayers.

3.5.3.8. It is programmed to distribute about 50 quintals of certified seeds to the farmers at subsidized rate involving subsidy of Rs.0.60 lakh during 2009-10.



3.5.3.9. To facilitate irrigation facilities 45 numbers of HDPE pipe sets have been provided to farmers at subsidized rate incurring a subsidy of Rs.6.45 lakh during 2008-09.

3.5.3.10. It is programmed to provide 25 such pipe sets at an subsidy of Rs.3.75 lakhs during 2009-10.

The achievements during 2008-09 and programme for 2009-10 is given in **Annexure-III**.

3.6. **Intensive Cotton Development Programme (ICDP)**

Cotton is a major commercial crop predominately grown in the KBK districts in Kharif. Area coverage under Cotton is growing in Bolangir, Kalahandi, Ganjam and Rayagada Districts. During 2008-09, emphasis was laid on area expansion, use of quality/ hybrid seeds, farmers' training and intensification of IPM practices. The interventions made under ICDP during 2008-09 and proposed for 2009-10 are as under:

3.6.1. Basing on the success of the programmes taken up last year, 150 Farmers' Field Schools @ 17,000/- per FFS were taken up during 2008-09 with an expenditure of Rs 23.09 lakh.

3.6.2. During 2009-10, 133 Farmers' Field Schools will be taken up with a provision of Rs.22.61 lakh.

3.6.3. As cotton is one of the sophisticated crops grown in the state and the extension agencies play a key role for its development, training programmes for extension personnel were organized during 2008-09 in 7 batches with an expenditure of Rs. 1.05 lakh.

3.6.4. During 2009-10, it is proposed to conduct 7 such trainings programmes with provision of Rs.1.05 lakh.

3.6.5. During 2008-09, 103 sprinkler sets have been distributed at subsidized rates at a cost of Rs.11.90 lakhs. This component will continue during 2009-10. A subsidy amount of Rs.8.10 lakh has been proposed for distribution of 54 sprinkler sets.

3.6.6. About 5172 manually operated sprayers and 158 power-operated sprayers have been supplied at subsidized rate to the cotton growers and a total subsidy amount of Rs.32.12 lakh was provided during 2008-09.

3.6.7. During 2009-10, programme for sale of 5000 manually operated sprayers & 89 power-operated sprayers has been made with a financial implication of Rs.41.78 lakh.



3.6.8. Pest Surveillance in cotton at regular intervals was made through Farmer scouts on daily basis for 5 months for which an honorarium of Rs.500.00 per month per scout was provided. 7 districts were covered under this component during 2008-09 with an expenditure of Rs.7.00 lakh.

3.6.9. During 2009-10, those 7 districts will also be covered under this component with a financial outlay of Rs.7.00 lakh.

3.6.10. 22 number of Front Line Demonstration on Integrated Pest Management technology have been conducted during 2008-09 at a cost of Rs.21.21 lakh.

3.6.11. During 2009-10, it is proposed to take up 22 such FLD at an outlay of Rs.22.00 lakh.

3.6.12. In order to train the farmers on the use of Pheromone trap and bio-agents in cotton crop, assistance was provided to the farmers. During 2008-09, Rs.2.35 lakh have been spent for use of Pheromone trap in 892 ha and Rs.12.09 lakh for bio-agents in 1366 ha.

3.6.13. During 2009-10, Rs.12.45 lakh has been provided under these components to cover 2050 hectares.

3.6.14. In addition to above measures, initiatives like Training of facilitators, supply of weedicides, etc., were taken up during 2008-09. 330 Nos. of farmers have been provided with weedicides with a subsidy of Rs.1.00 lakh. Such programmes will also continue during 2009-10 with an outlay of Rs. 1.01 lakh.

3.6.15. 31 Awareness campaigns were held for fibre quality management during 2008-09 incurring an expenditure of Rs.1.80 lakh.

3.6.16. During 2009-10, it has been programmed to organise 50 awareness campaigns for fiber quality management with a provision of Rs.5.00 lakh.

The achievement during 2008-09 and programme proposed for 2009-10 are given at **Annexure-IV**.

3.7. *Jute & Mesta Development*

3.7.1. During 2008-09, under the Scheme “Jute Technology Mission (MM-II)”, 60 Farmers’ Field School on jute crop was taken up in selected jute-growing Blocks where jute area is substantial. In a field school 50 farmers were trained for 5 days in the cropping season. Training on fertilizer management, intercultural operation, IPM, harvesting technique and retting & extraction of fibre was imparted to the farmer trainees. Rs.15.00 lakh was spent.



3.7.2. 60 such Farmers’ schools will also be taken up during 2009-10 with an out lay of Rs.15.00 lakh.

3.7.3. During 2008-09, new intervention like production technology demonstration in 900 hectares and 300 nos. of retting technology demonstration have been conducted with an expenditure Rs.27.00 lakh and Rs.6.00 lakh respectively under Jute Technology Mission (MM-II). Besides, Rs.53.65 lakh has been spent during 2008-09 on retting scheme and construction of 596 retting (546 kuttcha +50 Pucca) tanks.

3.7.4. During 2009-10, it is programmed to take up production technology demonstrations in 1200 hectares and 304 nos. of Retting Technology demonstrations at a cost of Rs.36.00 lakh and Rs.6.08 lakh respectively. Besides, assistance would be provided for construction of 400 nos. of kuttcha retting tanks at a cost of Rs.10.00 lakh.

3.7.5. 120 farmers (6 groups) have been sent on exposure visit outside the State to acquire on-site knowledge about the package of practices of the crops incurring an expenditure of Rs.3.60 lakh.

3.7.6. It is also proposed to send 6 such groups during 2009-10 with an outlay of Rs.3.60 lakh.

3.7.7. Subsidy was given to the farmers on sale of quality /certified jute seeds to the tune of 654 qtl. with an expenditure of Rs.13.08 lakh.

3.7.8. During 2009-10, 495 qtls of Jute & Mesta seeds will be distributed to farmers at subsidized rates with a subsidy provision of Rs.9.90 lakh.

3.7.9. Sixty numbers of farmers’ training programmes were conducted during 2008-09 at an cost of Rs.3.00 lakh.

3.7.10. It is programmed to conduct 110 such farmer’s training during 2009-10 at an expense of Rs.5.50 lakh.

The achievement during 2008-09 and programme for 2009-10 are given at **Annexure-V**.

3.8. National Project on Organic Farming

This scheme has been launched in the year 2004-05 and being implemented with 100% assistance from Central Government with the objective of promoting organic farming through establishing Model organic farms, field demonstrations, training, vermiculture hatchery, bio-gas slurry preparation etc for sustainable crop production.



Under the scheme 12 model organic farms are being set up and 57 vermiculture hatcheries were established. Besides training programmes for 5 groups of farmers and 10 groups of Extension Officers have been organized and 150 nos. Demonstrations on organic inputs and on enriched Bio-gas Slurry have been conducted. No funds was received during 2008-09 under the scheme against the outlay of Rs.250.00 lakh.

The programme will be continued during 2009-10.

3.9. Strengthening of Infrastructure Development for Training, Research Centre/Laboratories/ Implement Factory

3.9.1. The Directorate of Agriculture has 3 Regional Institutes for Training on Extension (RITE), 11 Soil Testing Laboratories, 13 Adaptive Research Stations/ Laboratories. RITEs engage themselves in imparting intensive training to farmers, agri-entrepreneurs and the Extension functionaries, while Adaptive Research Stations are engaged in multi location trials and evolving location specific technologies. The various Laboratories (soil/fertilizer/ pesticide/ seed testing) look after quality control and soil testing aspects. Besides they also take up some development work in the field of agriculture to a limited extent. The implement factory designs, tests and produces different agricultural implements/ machineries. Under the scheme the infrastructure facilities of these institutions are strengthened. During 2008-09, strengthening work continued to provide better facilities to farming communities at an expense of Rs.80.00 lakh.



3.9.2. It is programmed for establishing and equipping the soil testing laboratories, establishing micronutrient-testing facility, provision of refill kits for soil Testing Kits at a cost of Rs.100.00 lakh during 2009-10.

3.10. **Development and strengthening of infrastructure for production and distribution of quality seeds.**

3.10.1. This scheme has been introduced in the year 2005-06 and is being implemented with 100% central assistance with the objective of increasing the seed replacement rate 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 etc. During 2008-09 assistance was provided to the farmers as subsidy on seeds and farmers' training were organized for quality seed production with an expenditure of Rs.418.62 lakh.

3.10.2. It is envisaged to take up such seed production programme producing quality seeds at farmers' level during 2009-10.

3.11. **National Food Security Mission (NFSM)**

3.11.1. A Centrally Sponsored scheme, National Food Security Mission (NFSM) has been launched from 2007-08 in the state with the objective of increasing production of rice and pulses through area expansion and enhancement of productivity in a sustainable manner in the identified districts. During



2008-09, the NFSM-Rice is being implemented in 15 districts namely Bolangir, Jajpur, Dhenkanal, Angul, Kalahandi, Nuapada, Keonjhar, Malkangiri, Nawarangpur, Kandhmal, Boudh, Nayagr, Deogarh, Jharsuguda & Sudargarh and NFSM-Pulses in 10 districts namely Bolangir, Bargarh, Cuttack, Ganjam, Kalahandi, Keonjhar, Khurda, Nayagarh, Puri & Rayagada of the state covering 21 districts in all. Various programmes have been implemented in the State under NFSM during 2008-09 at an cost of Rs.

6333.56 Lakh (NFSM-Rice Rs.3202.34 lakh+ NFSM-Pulse Rs.2458.22 lakh+ Local initiatives Rs. 592.50 lakh + Media & Publicity Rs.80.50 lakh).

3.11.2. During 2009-10, the above programmes will continue to be implemented under NFSM at a proposed cost of Rs. 9031.55 lakh.

The achievement during 2008-09 and programme for 2009-10 are given at **Annexure - VI & VII** respectively.

3.12. **Input Subsidy**

3.12.1. During 2008-09 Rs. 1817.46 lakhs have been utilized as subsidy on certified/TL seeds of various field crops.

3.12.2. Rs. 1549.97 lakhs has been proposed during 2009-10 for the same purpose.

3.13. National Project on Management of Soil Health & Fertility

3.13.1. A centrally sponsored programme “National Project on Management of Soil Health and Fertility” has been launched in the State since 2008-09. During 2008-09 Govt. of Orissa had submitted a proposal of Rs.461.10 lakh for the said scheme out of which Rs.435 lakhs had been sanctioned. The programmes to be taken up under the scheme are as follows;



- | | |
|--|------------------|
| (I) Establishment of 6 new static Soil Testing Laboratories | - Rs.180.00 lakh |
| (ii) Setting up of 5 nos. Mobile Soil Testing Laboratories | - Rs.150.00 lakh |
| (iii) Strengthening of 3 existing STLs for Micronutrient Testing | - Rs. 30.00 lakh |
| (iv) Setting up of new Fertiliser Quality Control Laboratory | - Rs. 50.00 lakh |
| (v) Strengthening of one Fertiliser Quality Control Lab. | - Rs. 25.00 lakh |

Total: Rs.435.00 lakh

3.13.2. The Institute on Management of Agricultural Extension (IMAGE), Bhubaneswar has been declared as the nodal agency for the project. As 1st installment, Rs.217.50 lakhs has been received by the nodal agency. The project is in implementation stages. The procurement of instruments including the major one like AAS have been finalised.

3.13.3. During 2009-10, Rs. 200.00 lakhs have been proposed towards the state share for the scheme.

4. RASHTRIYA KRISHI VIKAS YOJANA (RKVY)/ NATIONAL AGRICULTURE DEVELOPMENT PROGRAMME (NADP)

4.1. The scheme was introduced by Government of India in the year 2007-08 in order to provide incentives to States for increasing expenditure in Agriculture & allied sectors. The State which

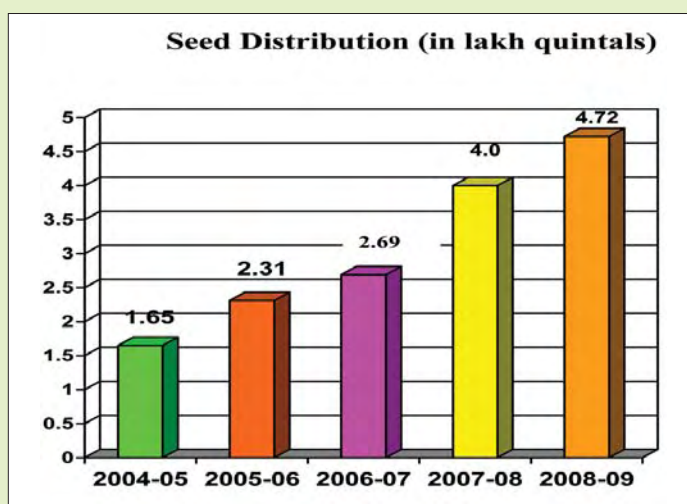


maintained a higher ratio of expenditures in Agriculture & allied sectors to total plan expenditure in the previous year as compared to the average ratio of expenditure incurred to total plan expenditure in 3 years before that year becomes eligible for assistance under the scheme. The entire assistance is grant to the State.

4.2 During 2007-08, Rs. 3930.01 lakhs were provided by the Government of India to the State for implementing 21 projects under agriculture and allied sectors. During 2008-09, Rs. 11544.00 lakhs were provided to the State for implementation of 61 projects sanctioned during 2008-09 by State Level Sanctioning Committee (SLSC) and continuation of three projects sanctioned during 2007-08. Rs.12000.00 lakhs has been provided in the budget for the implementation of the scheme during 2009-10. The details of the projects sanctioned during 2008-09 and year wise requirement of funds are given in **Annexure-VIII**.

5. PRODUCTION CERTIFICATION AND SUPPLY OF SEEDS

5.1. The Orissa State Seeds Corporation (OSSC) has been designated as the Nodal Agency for production, procurement and supply of quality seeds to the farmers of the State. The Orissa State Seed and Organic Products Certification Agency (OSSOPCA) is responsible for certification of the seeds produced in the State under the Seeds Act.



5.2. The OSSC has been implementing the 'Seed Village Programme' for production of certified paddy and non-paddy seeds through farmers. Incentives at various rates are given to the seed farmers under Macro Management of Agriculture (Work Plan) and other schemes for taking up production of Certified Seeds. The seeds produced in farmers' fields are processed by the OSSC or designated private processors and are procured by the OSSC Ltd. after certification by the OSSOPCA. During 2008 Kharif 19,300 ha were covered under Seed Production Programme and 3,56,944 qtls of various kind of seeds have been procured.

This system will be continued in 2009-10.

5.3. Besides procuring seeds from the farmers under the Seed Village Programme, the OSSC procures certified seeds from the OUAT, MOU farms, the National Seeds Corporation and other National/State Public Sector agencies for meeting farmers' need for quality seeds. During 2008-09, 4,18,303 qtl of seeds of different crops as detailed below were made available by the OSSC to Directors of Agriculture and Horticulture.

Sl. No	Name of the seeds	Total Quantity supplied (in quintals)
1.	Paddy (Extra early)	108
	Paddy (Early)	21629
	Paddy (Medium)	121414
	Paddy (Long)	144882
	Paddy (Superfine)	6382
	Total (Paddy)	294415
2.	Maize	176
3.	Ragi	60
4.	Wheat	8523
5.	Moong	1771
6.	Biri	5407
7.	Arhar	181
8.	Field Pea	1495
9.	Gram	934
10.	Mustard	1100
11.	Til	0
12.	Groundnut	91278
13.	Niger	10
14.	Sunflower	15
15.	Jute	467
16.	Cotton	7
17.	Mesta	85
18.	Dhanicha	2073
	Total (Non Paddy)	113582
	<i>Vegetable, Potato, Yam & Onion</i>	<i>10306</i>
	Grand Total:	418303

5.4. The Corporation achieved a turnover of Rs. 89.26 Crores and a profit of Rs.4.55 Crores (un-audited) during 2008-09.

5.5. During 2009-10, there is target to supply 6,84,870 quintals of different kinds of quality seeds as detailed below.

Sl. No	Name of the Seed	Total Qty to be supplied (In Qtls)
1.	Paddy & Cereals (Wheat, Maize, Ragi)	526359
2.	Pulses (Moong, Biri, Arhar etc.)	17535
3.	Oilseeds (Groundnut, Mustard, Nizer, Til)	129553
4.	Fiber Crop (Jute, Mesta, Cotton)	373
5.	Vegetable, Potato, Onion etc	11050

5.6. The Certified Seeds of different varieties of paddy, pulses and oil seeds etc., are sold to the farmers of the State through the 628 Departmental Seeds Sale Centres in all Blocks and 2412 numbers of Seed Dealers. Subsidies admissible under the Work Plan and other schemes are administered on the sale of seeds through the Departmental Seed Sale Centres. To ensure quality of the seeds and to prevent sale of spurious seeds, 1565 seed samples were drawn for analysis by the Quality Control Inspectors. The quantity of different varieties of Certified Seeds / T.L Seeds sold to the farmers during 2008-09 and the programme for Kharif' 2009 is indicated at **Annexure-IX**.

6. ACTIVITIES OF THE DIRECTORATE OF HORTICULTURE

6.1. The Directorate of Horticulture carries out an array of activities promoting horticultural crops like fruits, vegetable, spices & flowers mostly under National Horticulture Mission and under State Plan scheme in the non-mission districts. Besides, CDB sponsored programmes for Coconut Development, ISOPOM (Oil palm) and Micro Irrigation are implemented in the State. The physical and financial achievement during 2008-09 and programme for 2009-10 under schemes are given below.



6.2. **National Horticulture Mission (NHM)**

National Horticulture Mission is a Central Sponsored Plan scheme launched during 2005-06 in the state. Now 24 districts of the State namely Cuttack, Puri, Nayagarh, Khurda, Balasore, Mayurbhanj,



Gajapati, Keonjhar, Kalahandi, Koraput, Nawarangpur, Malkangiri, Rayagada ,Nuapada , Bolangir, Subarnapur, Phulbani, Ganjam, Dhenkanal, Sundargarh, Sambalpur, Angul, Bargarh & Deogarh have been identified in 4 clusters for development of 9 major horticultural crops under National Horticulture Mission. Govt. of India gives 85% grant as central share & 15% is borne by State Govt. The crops selected are mango, citrus, litchi and banana in fruits, cashew

in plantation crops, ginger & turmeric in spices, betel vine and floriculture. District wise crops selected are given below.

Sl. No.	Name of District	Crops selected
1	Cuttack	Mango, Banana, Cashew, Flower ,Citrus, Betel vine
2	Puri	Cashew, Banana, Betelvine ,Flower
3	Nayagarh	Cashew, Banana, Ginger, Turmeric, Mango, Flower
4	Khurda	Mango, Banana, Cashew, Flower ,Citrus, Betel vine
5	Balasore	Mango, Banana, Cashew, Flower
6	Mayurbhanj	Mango, Banana, Cashew, Flower ,Citrus
7	Keonjhar	Mango, Banana, Cashew, Flower ,Citrus
8	Gajapati	Mango, Cashew, Banana, Ginger, Turmeric, Flower
9	Ganjam	Cashew, Banana , Ginger, Turmeric, Flower
10	Koraput	Mango, Banana, Ginger, Turmeric, Flower
11	Malkangiri	Mango, Citrus ,Cashew
12	Nawarangpur	Mango, Banana,
13	Rayagada	Mango, Litchi, Banana, Flower , Cashew
14	Kalahandi	Mango, Banana , Turmeric
15	Nuapara	Mango, Banana
16	Bolangir	Mango, Ginger , Flower
17	Subarnapur	Mango, Banana
18	Dhenkanal	Mango, Cashew, Citrus, Flower, Banana
19	Kandhmal	Mango, Cashew, Citrus, Banana, Litchi, Flower, Ginger, Turmeric
20	Sambalpur	Mango, Cashew, Citrus, Banana, Litchi, Flower
21	Bargarh	Mango, Cashew, Citrus, Banana, Litchi, Flower
22	Deogarh	Mango, Cashew, Citrus, Banana, Litchi, Flower
23	Sundargarh	Mango, Cashew, Citrus, Banana, Litchi, Flower
24	Angul	Mango, Cashew, Citrus, Banana, Litchi, Flower

As per the guidelines of Govt. of India, Orissa Horticulture Development Society under the Chairmanship of Minister, Agriculture has been constituted for implementation of Mission Activities. One Executive Committee under Chief Secretary and one Project Management Committee under Agriculture Production Commissioner at State Level and District Management Committees under Collectors have been formed for implementation of activities. For the first two years Gol provided 100%

grant to the extent of Rs 8062.93 lakhs. 15% State contribution has been provided in 2008-09 (4th year). Against the total financial outlay of Rs 9543.00 lakhs, an amount of Rs 2341.00 lakhs has been received from Govt. of India and Rs 412.94 lakhs has been received as State Share and expenditure incurred is Rs 5910.71 lakhs.

The achievements during 2008-09 and the programme for 2009-10 are given in **Annexure-X**.

6.2.1. **Fruit Orchard Development**

6.2.1.1. For encouraging farmers to establish fruit orchard on their holdings assistance up to 75% of cost of cultivation is provided to the farmers @ Rs 22500/- per ha of mango, Rs 11250/- per ha of Cashew, Rs 22500/- per ha of citrus, Rs 22500/- per ha of litchi and 70% cost of cultivation @ Rs.15000/- per ha of banana under NHM. New fruit orchards covering 19454 ha. of mango and 7032 ha. of cashew, 358 ha.of anola, 401 ha. of litchi and 777 ha of citrus have been achieved during 2008-09 with an expenditure of Rs 2056.98 lakhs. To promote banana cultivation in the state, there is a programme to cover 1339 ha of banana plantation with an out lay of Rs 104.41 lakhs during 2008-09.

6.2.1.2. Similarly, there is a programme to cover 10000 ha. under compact area plantation of mango, 3000 ha of cashew, 100 ha of litchi, 400 ha of citrus and 1000 ha of banana using both sucker and tissue culture with an outlay of Rs. 1464.00 lakhs during 2009-10.

6.2.2. **Development of Floriculture**

There is an increasing demand for flowers like rose, gladioli, marigold and tuberose in and around the urban centers of the State. With a view to encourage farmers of the State to increase their farm income and to create employment opportunities through floriculture, emphasis has been laid on this programme. Under the programme small and marginal farmers will be provided assistance up to 50% and other farmers up to 33% of cost of cultivation ranging from Rs 7920/- per ha to Rs 45000/- per ha for taking up commercial cultivation of flowers in their fields. During 2008-09, 1118 ha. of rose, 1203 ha of gladioli, 602 ha of tuberose and 1421 ha of marigold cultivation was taken up with an expenditure of Rs 1115.45 lakhs under NHM programme . There is a programme to cover 2050 ha under floriculture with a financial outlay of Rs.598.43 lakhs during 2009-10.



6.2.3. Spices Cultivation

6.2.3.1. Ginger and turmeric are the major spices grown in the State. Although the State has a major share in production of ginger and turmeric, the varieties cultivated are mostly traditional and low yielding. Emphasis is being laid on replacing the traditional varieties with improved ones through a programme under NHM for which assistance @ Rs 11250/- per ha has been provided.

6.2.3.2 During 2008-09, 305.07 ha of ginger & 1036.08 ha of turmeric cultivation has been taken up with an expenditure of Rs 150.88 lakhs. Similarly, during 2009-10, it is programmed to take up 500 ha. of ginger and 800 ha. of turmeric cultivation in farmers field with a financial outlay of Rs.146.25 lakhs.

6.2.4. Vegetable Development

6.2.4.1. Vegetable cultivation has tremendous scope in the State due to suitable agro-climatic conditions and growing market demand. Although vegetable cultivation has not been included in the thrust crops, but vegetable seed production programme has been taken up in 225.84 ha area with an expenditure of Rs. 112.92 lakhs.

6.2.4.2 During 2009-10, under this programme Rs 50.00 lakhs will be spend in NHM districts under vegetable seed production programme in 100 ha area.

6.2.5. Human Resource Development

During 2008-09, 24 district level shows have been organised under NHM. Besides, 8069 nos. of farmers have been sent both inside and outside the state on exposure visit to build confidence through cross learning with an expenditure of Rs.134.14 lakhs. 50 nos. of unemployed youth have been imparted gardener training in group and 1100 nos. of field level functionaries have been trained on IPM/INM, organic farming & high-tech horticulture with a financial outlay of Rs.15.425 lakhs during 2008-09. It is proposed to send 1600 nos. of farmers both outside and inside the state for up-gradation of their technical knowledge on horticulture during 2009-10 with an outlay of Rs. 30.00 lakhs.

6.2.6. Production & supply of Quality Planting Materials

Under NHM during 2008-09, 28 model nurseries of 4 ha. area and 40 small nurseries of 1 ha area have been established under public sector with an expenditure of Rs.624.00 lakhs. During 2009-10, it is proposed to establish 5 model nurseries of 4 ha. area and 10 small nurseries of 1 ha area under public sector and 5 model nurseries and 10 small nurseries in private sector with an expenditure of Rs.180.00 lakhs. These nurseries will be established for production of quality planting materials.

6.2.7. Protected Cultivation

During 2008-09, erection of 0.19 ha of green houses, 13.07 ha of shade net houses and mulching over 262.49 ha. area have been done under NHM with an expenditure of Rs 33.68 lakh. There is a programme to erect 1 ha of green houses, 10ha of shade net houses and 100 ha area will be mulched under NHM during 2009-10 with an outlay of Rs.35.50 lakhs.

The achievements during 2008-09 and the programme for 2009-10 are given in **Annexure-X**.

6.3 *Non-Mission Districts*

A provision of Rs 80.00 lakhs was kept in the State budget during 2008-09 for NHM type activities for 6 districts namely Bhadrak, Boudh, Kendrapara, Jagatsinghpur, Jajpur and Jharsuguda not covered under National Horticulture Mission. During 2009-10, provision of Rs 100.00 lakhs has been kept in the State budget for these districts.

The achievements during 2008-09 and the programme for 2009-10 are given in **Annexure-XI**.

6.3.1. *Fruit Orchard Development*

6.3.1.1. For encouraging farmers for compact area plantation, quality planting materials of different fruit plants like mango, cashew, anola, banana and citrus have been supplied to the farmers for raising 200 ha of mango, 50 ha of cashew, 30 ha of anola, 100 ha. of banana and 50 ha of citrus under compact area plantations with an expenditure of Rs.32.80 lakhs during 2008-09.

6.3.1.2. During 2009-10, there is a programme to raise 200 ha of mango, 100 ha of cashew, 50 ha. of banana and 25 ha of citrus compact area plantations with an financial outlay of Rs.36.19 lakhs.

6.3.2. *Development of Floriculture*

There is an increasing demand for flowers like rose, gladioli and marigold in the State. With a view to encourage farmers and to increase their farm income and to create employment opportunities through floriculture, 100 units (0.1ha. per unit) of gladioli, 60 units(0.1ha per unit) of rose & 100 units(0.1ha per unit) of marigold demonstrations were taken up with an expenditure of Rs.7.39 lakhs in Non-mission districts during 2008-09. There is a programme to take up 250 units (0.1ha.per unit) of demonstrations on flowers like gladioli, marigold and rose with a financial outlay of Rs.7.04 lakhs during 2009-10.

6.3.3. *Human Resource Development*

During 2008-09, 6 nos. of district level shows have been organized under this programme. Besides, training to 14 groups of farmers' on fruits, vegetable, floriculture have been imparted. 40 nos. of farmers have been sent outside the state for exposure visit with an expenditure of Rs 4.70 lakhs. Similarly, during 2009-10, there is a programme to send 40 nos. of farmers to outside the state for exposure visit, organise 6 nos. of district level shows and impart training to 14 groups of farmers on plantation with a financial outlay of Rs.4.70 lakh.

6.3.4. **Organic Farming**



To promote organic farming in the non-mission districts assistance to the tune of Rs 7500/- per unit has been provided to the farmers to construct 300 nos. of vermi compost units with a financial expenditure of Rs.22.50 lakhs during 2008-09. Similarly, there is a programme to construct 70 nos. of vermi compost units with a financial outlay of Rs.5.25 lakhs during 2009-10.

The achievements during 2008-09 and the programme for 2009-10 are given in **Annexure-XI**.

6.4. **Strengthening of School of Horticulture**

School of Horticulture provides in-service as well as pre-service training to the field staff under the Directorate of Horticulture. It also provides training to unemployed youths in gardening/grafting. For construction of Girls Hostel an amount of Rs 6.49 lakhs has been utilized during 2008-09. During 2009-10, it has been proposed to complete the Girls hostel with a financial outlay of Rs 20.00 lakhs.

6.5 **Establishment & revival of block level nurseries**

In order to provide quality planting materials for public sale as well as utilization in Govt. programmes, it has been programmed to establish / revive at least one nursery in each Block for production and stocking of quality planting materials of fruit, vegetable & flowers. Besides, sale of quality planting material, these nurseries will sell garden tools to farmers. As such, 22 nos. of Block level nurseries have been revived / established with an expenditure of Rs 72.00 lakhs during 2008-09. Similarly, it has been programmed to revive Block nurseries with a financial outlay of Rs 100.00 lakhs during 2009-10.

6.6. **Development of Potato, Spices & Vegetable**

In order to encourage farmers to take up cultivation of potato and other vegetables, quality seed materials were sold with subsidy out of State Plan. 6384.25 qtls of seed potatoes and 247000 nos. of vegetable minikits have been supplied to the farmers at a subsidised rate with a financial outlay of Rs 223.64 lakhs during 2008-09. Similarly, there is a programme to supply 3000 qtls. of seed potato, 250000 nos. of vegetable seed minikits and 3000 units of demonstrations of yam & elephant foot yam to the farmers at subsidized rates with a provision of Rs 199.96 lakhs during 2009-10.



6.7. Input Subsidy

Development of horticulture is dependent on supply and use of quality inputs. Keeping this in view, 208777 nos. of quality planting materials of different plants like mango, sapota, guava, litchi, k.lime, papaya, drumstick etc. have been supplied to the rural house holds with a financial expenditure of Rs.43.55 lakhs during 2008-09. The programme will be continued during 2009-10.

6.8. Inter cropping in fruit orchards

It is proposed to take up inter crop like pineapple in fruit orchards as a short term assured economic benefit to the farmers within a period of one year, because the newly developed perennial fruit orchards give return after 4 to 5 years. Under this scheme 12 ha intercropping of pineapple in Govt. farm and 15 ha in farmers' field have been taken up with a financial expenditure of Rs.52.51 lakh during 2008-09. The programme will be continued during 2009-10 for which a token provision of Rs0.01 lakh is kept.

6.9. Production of Quality Planting Materials

During 2008-09, under this programme 735000 mango grafts, 170000 K.lime/ Orange seedlings, 68500 litchi gootees, 10000 Sapota grafts and 30000 other seedlings (Papaya, Drumstick, Custard apple & Pomegranate) have been produced with a financial expenditure of Rs. 90.00 lakhs. The programme will be continued during 2009-10 for which a token provision of Rs.0.01 lakh is kept.

6.10. Subsidy on IPM control of Eriophyoid mite

During 2008-09, 250000 nos. of coconut palms have been treated against Eriophyoid mite with an expenditure of Rs 10.00 lakhs. A token provision of Rs0.01 lakh is kept during 2009-10.

6.11. Production and distribution of TxD hybrid coconut seedling

This is Centrally Sponsored Plan scheme through CDB with 50:50 funding pattern. Rs. 12.50 lakhs has been utilised for production of 25000 nos. of hybrid coconut seedlings during 2008-09. A budget provision of Rs.6.26 lakhs has been made for production of 25040 nos. of hybrid coconut seedlings during 2009-10.

6.12. Establishment of Regional Coconut Nursery

This is CSP scheme through CDB with 50:50 funding pattern. Under this programme, 200000 nos. of coconut seedlings have been raised with an expenditure of Rs 50.00 lakhs during 2008-09. A budget provision of Rs.50.00 lakh is proposed to raise 200000 nos. of coconut seedlings during 2009-10.

6.13. ISOPOM (Oil Palm)

This is part of CSP Scheme ISOPOM with funding pattern 75:25. 838 ha of new plantation and maintenance of 1796.69 ha of oil palm plantations have been achieved during 2008-09 with an expenditure of Rs.136.00 lakhs. There is a programme to take up 1630 ha. of new plantation and 5312

ha. of maintenance with a financial outlay of Rs.140.00 lakhs including Rs. 35.00 lakh as state share during 2009-10.

6.14. Micro Irrigation

This is CSP scheme with funding pattern of 40:30:30 (CS:SS: Beneficiary). Under this programme, 1940 ha drip & 819 ha sprinkler irrigation have been take up in farmers field with a financial expenditure of Rs.402.40 as State Share during 2008-09. Similarly, it has been proposed to take up 2840 ha. drip irrigation & 10720 ha. sprinkler irrigation with a financial outlay of Rs.200.00 lakhs as state share during 2009-10.

7. ORISSA STATE CASHEW DEVELOPMENT CORPORATION

7.1. Orissa Cashew Development Corporation has been established in the State in 1979 for development and area expansion under cashew crops. The Centrally Sponsored Scheme, Integrated



Cashew Development Programme is being implemented in the State under the aegis of the Orissa State Cashew Development Corporation. This corporation is having 577 no of cashew plantations over an area of 30620.89 hectares spreading over 22 revenue districts. The corporation made a cumulative profit of Rs.13.88 crores during 2007-08. During 2008-09, 8.88 lakhs number of cashew grafts were supplied to the various Government and Private agencies to supply

to the beneficiaries for covering an area of 4438 ha under new cashew plantation. Besides, 226.50 ha of old cashew orchards have been rejuvenated during 2008-09.

7.2. It has been programmed to cover 6000 ha under cashew plantation and rejuvenation of 1600 ha old cashew orchards during 2009-10. Besides, the Orissa State Cashew Development Corporation has a programme to produce 19.00 lakhs cashew grafts during 2009-10.

8. SOIL CONSERVATION & WATERSHED DEVELOPMENT

8.1. Watershed Development Programmes are currently being implemented in the State under various Centrally Sponsored Schemes like Drought Prone Area Programme (DPAP), Integrated Wasteland Development Programme (IWDP), National Watershed Development Programme for Rainfed Area (NWDPR), River Valley Project (RVP), Rastriya Krishi Vikas Yojana (RKVY) etc. The Watershed Development programmes are also implemented under Special Plan (RLTAP) for KBK districts. Western Orissa Rural Livelihood Project (WORLP), funded by DFID is also currently being implemented in four districts namely Bolangir, Nuapada, Kalahandi and Bargarh.

8.2. The Orissa Watershed Development Mission (OWDM) has been set up as a State level Umbrella Institution for monitoring coordinating and strengthening the implementation mechanism of all Watershed programmes in the State.



8.3. Previous practice of engaging various Government agencies as the PIAs (Project Implementing Agencies) in watershed development programme in addition to their own duties has resulted in weakening the community mobilization processes and reduced community participation in the Watershed Development Programmes. In view of this, PIAs were effectively made full time without giving them any additional responsibilities. The Watershed Development Teams (WDT) who work with the PIAs and provide technical guidance to the watershed committees were also made full time through engagement of qualified graduates on contractual basis. A thorough rationalization was also made in the assignment of the watersheds among the various PIAs and currently each PIA operates a maximum of 12 to 15 watersheds. As a step towards further strengthening the effective implementation of the watershed programmes, offices of the Project Director (watersheds) have been created in all KBK districts except Subarnapur district. All watershed development programmes in these seven districts are being monitored, supervised and implemented through the Project Director, Watersheds.

8.4. ***Watershed Development Programmes***

8.4.1. Watershed Development Programme focuses on harnessing and conserving land and water through various soil and water conservation interventions for increasing and sustaining productivity of land and improving livelihoods of the community. The watershed guidelines issued by the Ministry of



Rural Development (MoRD), Government of India are followed. For every watershed a minimum of Rs.30.00 lakh are spent over a period of 5 years. A Project Implementing Agency (PIA) is selected (from Line Deptt./ NGOs etc.) who facilitate the planning, implementing and monitoring the activities through community participation. The community prepares the Micro Action Plans for each watershed and also implements various components of the plans with the technical assistance from the PIA.

8.4.2. Community participation in watershed development programmes is given emphasis and various indicators are used to assess the levels of the participation, contribution and benefit derived in the watersheds. Heavy thrust and emphasis have been given over a period of time by the OWDM towards building the capacity and empowering the community to implement watershed programmes.

Significant achievements have been made by providing hand-holding support to the Self Help Groups (SHGs) and User Groups (UGs) in the watershed programmes. Currently there are 33075 SHGs in the various watersheds enrolling around 4.07 lakh members. So far the Self Help Groups (SHGs) mobilized savings to a tune of Rs.29.74 crore, 63888 User Groups (UGs) have been formed with 6.32 lakh members who have contributed Rs.23.26 crore towards Watershed Development Fund (WDF).

8.5. National Watershed Development Project for Rainfed Areas (NWDPR)

8.5.1. The National Watershed Development Project for Rainfed Areas (NWDPR) is being implemented as a component of Macro Management of Agriculture (MMA) under centrally sponsored plan (CSP) Scheme. It has been proposed for implementation of 237 micro-watersheds (16 spillover of 10th Plan and 221 new micro-watersheds) during 11th Plan Period with a project outlay of Rs. 11937.70 lakh (Rs. 382.00 lakh for spillover and Rs. 11555.70 lakh for new micro-watersheds) for treatment of 117564 Ha. (8489 Ha for spillover and 109075 Ha. for new micro-watersheds) covering all 30 districts of the State.

8.5.2. During the year 2007-08, a sum of Rs. 1296.73 lakh have been utilized against allotment of Rs. 1301.98 lakh and an area of 28816 Ha. have been treated in 237 micro-watersheds covering all 30 districts of the State. During the year, 16 spillover micro-watersheds of 10th Plan were saturated. The programme was implemented basing on WARSA Janasahabagita guideline with treatment cost of Rs.4500.00 per Ha.

8.5.3. During the year 2008-09, a sum of Rs. 847.10 lakh has been utilized against the available funds of Rs. 2057.25 lakh (Rs. 5.25 lakh spillover amount of 2007-08 and allotment of Rs. 2052.00 lakh) treating an area of 7168 Ha. in 221 ongoing micro-watersheds covering all 30 districts of the State. During the year all the 221 ongoing micro-watersheds are restructured as per common guidelines for watershed projects 2008 and revised treatment cost of Rs. 12000.00 per Ha. on the balance treatable area (i.e. excluding the area already treated during 2007-08 from the total treatable area of the watershed)

8.5.4. During the year 2009-10 it is proposed to continue the implementation of 221 ongoing micro-watersheds covering all 30 districts of the State as per common guideline for watershed development 2008 and revised treatment cost of Rs. 12000.00 per Ha. with project outlay of Rs. 1480.00 lakh for treatment of 12334 Ha.

8.6. River Valley Project (RVP)

8.6.1. The River Valley Project (RVP) is also being implemented as a component of Macro Management of Agriculture (MMA) under Centrally Sponsored Plan (CSP) scheme. The RVP scheme aims at treating degraded catchments of multipurpose interstate reservoirs with appropriate soil and water conservation measures to check silt inflow in to the reservoirs and to enhance the productivity of degraded land. The scheme is in operation in 4 catchments in the State i.e., Hirakud, Rengali-Mandira, Upper Kolab and Upper Indravati.

8.6.2. During the year 2007-08, 19 watersheds were under implementation at a project outlay of Rs. 528.00 lakh for treating an area of 7776 Ha. out of which a sum of Rs. 445.00 lakh have been utilized treating an area of 9377 Ha.

8.6.3. During the year 2008-09 16 watersheds has been taken up at an estimated cost of Rs. 693.67 lakh for treatment of 6525 Ha. out of which a sum of Rs. 476.32 lakh has been utilized treating an area of 7008 Ha.

8.6.4. During the year 2009-10 it is proposed to continue the implementation of 17 watershed in the districts of Sundargarh, Deogarh and Koraput with project outlay of Rs. 520.00 lakh with treatable area of 3546 Ha.

8.7. ***Drought Prone Area Programme (DPAP)***

8.7.1. Drought Prone Area Programme (DPAP) is in operation in 8 districts of Orissa covering 47 identified Blocks. The districts covered are Bolangir, Subarnapur, Kalahandi, Nuapada Baragarh, Boudh, Dhenkanal and Kandhamal. Under the scheme, 1127 Micro watershed projects are under implementation and 192 projects have been closed / foreclosed under 1st batch of DPAP which was sanctioned during the year 1995-96. Out of a total 1319 micro watersheds under the scheme, 192 projects have been sanctioned prior to 1.4.2000 with the funding pattern of 50:50 basis at the cost norm of Rs.4000/- (Rs.5000/- in respect of KBK districts) per hectare. The remaining 1127 projects have been sanctioned after 1.4.2000 with the funding pattern of 75:25 basis at a new cost norm of Rs.6000/- per hectare on an uniform basis. The total outlay for all the 1319 sanctioned projects is Rs.38153.86 lakhs for treatment of 6.678 lakh hectares, against which Rs.14165.87 lakh have been released by Government of India and Rs.5825.49 lakh as State Share. So far an amount of Rs.16059.74 lakh has been utilized for treating 2.836 lakh Ha. area.

8.7.2. During 2008-09, 40602 Ha. were treated and Rs.2550.90 lakh utilized under the programme.

8.7.3. In the year 2009-10, 35,000 Ha. is programmed to be treated. An amount of Rs.2800.00 lakh is expected to be released by Government of India. Rs.934.00 lakh would be required as matching State Share out of which Rs.850.00 lakh have been provided.

8.8. ***Integrated Wasteland Development Programme (IWDP)***

8.8.1. The IWDP scheme is being implemented in 23 districts except Puri, Jagatsinghpur, Bhadrak, Kendrapara, Boudh, Kandhamal and Nuapada. Under the scheme 1046 Micro Watershed Projects are under implementation. The total outlay for all the sanctioned projects is Rs.30757.49 lakh for treating 5.44 lakh Ha. against which Rs.18599.70 lakh have been released. So far an amount of Rs.14791.68 lakh have been utilized by treating 2.67 lakh hectares.

8.8.2. During 2008-09, 33129 Ha. were treated by utilizing Rs.2072.79 lakh.

8.8.3. An amount of Rs.3500.00 lakh is expected to be released by Government of India. Rs.318.18 lakh would be required as matching state share out of which Rs.250.00 lakh have been provided for the year 2009-10. There is a programme to treat 34000 Ha. during the current financial year.

8.9. **Watershed Development under RLTA for KBK Districts**

8.9.1. During the year 2008-09, 150 micro watershed projects were started under Special Plan for KBK (RLTA). These micro watersheds projects are implemented under operational guideline of WORLP with a cost norm of Rs.9500/- per ha. During the year 2008-09, Rs.1068.72 lakh have been released against which Rs.499.00 lakh have been utilized.

8.9.2. During 2009-10, Rs. 1068.72 lakhs have been provided for the scheme.

8.10. **DFID Assisted Western Orissa Rural Livelihood Project (WORLP)**

8.10.1. The Western Orissa Rural Livelihoods Project (WORLP) was launched during 2000-01 with the assistance from DFID to cover 4 project districts of the State viz. Bolangir, Nuapada, Kalahandi and Bargarh over a period of 10 years. The project aims to promote sustainable rural livelihoods for the



poorest in the project area through watershed plus activities and would support land and water management, livelihood initiatives for the poorest, capacity building and encourage an enabling environment to address Government policy. The project is currently under operation in 14 blocks of Bolangir, 5 blocks of Nuapada Districts, 6 blocks in Kalahandi and 4 blocks in Bargarh district.

8.10.2. 290 watersheds are being implemented in those four districts with a treatable area of 1,50,766 Ha. having a total project cost of Rs.13,775.00 lakh. During 2008-09 Rs.3614.00 lakh were utilized and an area of 8,969 ha. was treated.

8.10.3. During 2008-09, livelihood activities were taken up in 387 non WORLP watersheds. So far 0.85 lakh ha. area has been treated and an amount of Rs.11,715 lakh has been spent.

8.10.4. During 2009-10, 35,000 ha will be treated at a cost of Rs.4,000.00 lakh. Livelihoods activities will continue to be taken up during 2009-10 in 387 non WORLP watersheds at a cost of 2370.38 lakh.

8.11. **Orissa Rural Livelihoods Programme (JEEBIKA)**

8.11.1. Orissa Rural Livelihoods Programme (ORLP) is an initiative for providing an additional livelihood component to 460 ongoing watershed projects under IWDP & DPAP in the State covering six districts

namely Koraput, Nawarangpur, Rayagada, Malkangiri, Kandhamal & Mayurbhanj. This programme, called the *JEEBIKA*, intends to address and enhance the livelihood needs of the landless and marginal households that are generally left out under normal watershed activities. The additional livelihoods component or the 'watershed plus' would be integrated into the implementation of the existing watershed projects in consecutive three years starting from 2007-08 to 2009 -10 with a total provision of Rs.9046.96 lakh so that the benefits flow not only to the landed households but also to the poorest and vulnerable sections, by developing alternative and diversified livelihoods opportunities.

8.11.2. Up to 2008-09, Rs.1400.00 lakh has been provided for implementation of the programme in 6 districts out of which Rs. 351.94 lakh has been spent.

8.11.3. During 2009-10 Rs.812.50 lakh has been earmarked for implementation of the programme.

9. PROMOTION OF AGRO ENTREPRENEURSHIP AND APICOL

9.1. The Agricultural Promotion and Investment Corporation of Orissa Limited (APICOL), established during the year 1996 as a promotional organization is engaged in promotion of commercial agri-enterprises including agro based and food processing industries in the State. The Corporation has been implementing various programmes through the agricultural extension network of the Department to encourage investment in the field of agriculture including investment in creation of captive irrigation source in farmers' fields through establishing Shallow Tubewells (STWs), Borewells (BWs), Dug wells (DW) and River Lift Irrigation Projects (RLIP). The Corporation also acts as the chanelizing agency for release of subsidy under farm mechanization component of Macro Management of Agriculture(Work Plan).

9.2. Agri-Enterprises

9.2.1. Establishment of Commercial Agri-Enterprises has been considered as one of the prime movers for not only self-employment but also for creation of employment opportunities for others. Capital Investment Subsidy @ 25% subject to a maximum limit of Rs.25.00 lakhs (33% limited to 25 lakhs for



SC/ST/ Women/ unemployed graduates of agriculture and allied sciences) is provided on a back-ended basis for such ventures. 54 Commercial Agri-Enterprises with investment of Rs.121.84 lakh have been promoted during 2008-09. During 2009-10, it has been proposed for setting up 180 Commercial Agri-Enterprises and the required subsidy will be met out of funds i.e. Rs.399.96 lakh provided under New Agriculture Policy.

9.2.2. *Entrepreneurship Development Programme*: Under this programme during 2008-09, Rs. 2.88 lakh has been spent towards imparting training to 65 unemployed graduates. During 2009-10, such endeavour shall continue for Entrepreneurship Development.

10. CAPTIVE IRRIGATION DEVELOPMENT

10.1. The farmers of the State are encouraged to go for creation of captive irrigation sources through STWs, BWs, DWs and RLIPs by way of administering subsidy against creation of such assets. From the year 2000-01, Government tied up funding with NABARD for providing subsidy under the programme.

10.2. During 2008-09, under the RIDF financed programme 17085 STWs & MTWs, 1517 BWs, 476 DWs and 7 RLIPs have been established by utilising a subsidy of Rs.2930.23 lakh.



10.3. During 2009-10, it has been programmed to sink 4001 STWs, 1200 bore wells, 1100 dug wells and 125 surface lift projects with a budget provision of Rs.2000.00 lakh to bring more cropped area under assured irrigation.

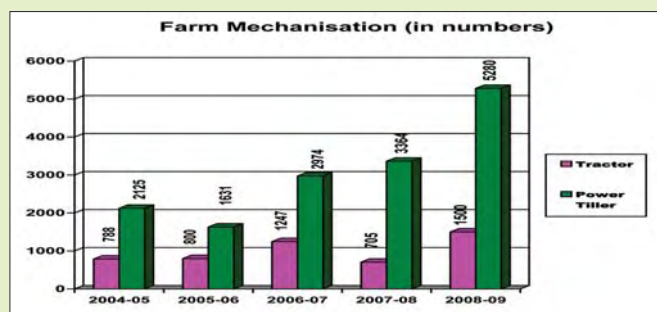
11. FARM MECHANIZATION

11.1. Farm mechanization has great significance for enabling farmers to take up timely and quality agricultural operations, reduce costs of production and improve the productivity. Various Farm Equipments / Implements are supplied to farmers at subsidized rates as indicated in the table below.

Sl No	Name of the Equipment	Rate of Subsidy per equipment
1	Power tiller	50 % of the cost limited to Rs.60,000/-
2	Tractors	50 % of the cost limited to Rs.90,000/-
3	Self Propelled Paddy reaper	50 % of the cost limited to Rs.80,000/-
4	Tractor drawn Rotavator	25 % of the cost limited to Rs.25,000/-
5	Paddy Transplanter	50% of the cost limited to Rs.80,000/-
6	Power operated implements	50 % of the cost limited to Rs.20,000/-

7	Specially Power Operated Implements	50 % of the cost limited to Rs.30,000/-
8	Manually operated / bullock drawn implements	25 % of the cost limited to Rs.2000/- per set
9	Combine Harvester	50 % of the cost limited to Rs.4,00,000/
10	Hydraulic Trailer	50 % of the cost limited to Rs.25,000/-
11	Power Thresher (All types)	50 % of the cost limited to Rs.24,000/-

11.2. The implements/ equipments so popularized in the state during 2008-09 with a subsidy of Rs. 7074.64 lakh drawn from Work Plan, RKVY, NFSM and State Plan under the aegis of State Agriculture policy 2008 is given in the table below-



Farm Machineries	Supply made (in Nos.)	Cost (Rs. in lakh)
Tractor	1500	1350.00
Power Tiller	5280	3168.00
Reaper	292	58.37
Transplanter	45	18.00
Rotavator	38	7.60
Power operated implements	13	1.30
Specialised power operated implements	396	79.20
Manually operated/ bullock drawn implements	2946	63.02
Hydraulic Trailer	538	134.00
Combined Harvester	49	124.50
Power Thresher	831	41.55
Pumpsets	20291	2029.10
	TOTAL	7074.64

11.3. During 2009-10, it has been programmed to popularise at least 3311 powertillers, 51 paddy reapers, 32 paddy transplanters, 20 power operated implements, 68 specialised power driven implements, 22 rotavators, 2000 sets of manual & bullock drawn implements, 2670 tractors, 100 power thresher and 381 tractor drawn Hydraulic trailers with a financial provision of Rs 4275.00 lakh (Work Plan-Rs.1775.00 lakhs+ State Plan -Rs 2500.00 lakh).

11.4. **Agro Service Centres:**

11.4.1. Agro Service Centers have helped farmers to use custom hired tractors and other agricultural implements. Establishment of similar Agro Service Centers has been taken up through APICOL under the State Plan funded Self Employment Programme limited to Rs. 2.00 lakh per unit. 209 Agro Service Centers have been set up and subsidy amounting Rs. 248.80 lakh has been utilised.

11.4.2. During 2009-10, it has been programmed to establish more such Agro Service Centres.

11.5. **Promotion and Strengthening of Agricultural Mechanisation through Training Testing and demonstration:**

11.5.1. A Central Sector Scheme, “Development of Prototype of Industrial Designs of Agriculture Implements including Horticulture Equipments and their trial at Farmers’ Field” was taken up during the



year 2008-09. Demonstration of improved Agriculture Implements especially newly developed ones is one of the important ways for disseminating technology for fast popularization and adoption by the farmers. The Field Level Demonstration aims at testing of efficacy, as well as, popularization of the improved/ newly developed agriculture equipments including horticultural equipments in the farmers’ fields, under the actual field conditions and assessment of performance and acceptability. Agricultural implements like self-propelled paddy transplanter, tractor drawn seed-cum-fertilizer drill,

rotavator, groundnut digger, potato digger, multi-crop planter, post hole digger, sugarcane cutter planter etc were demonstrated in the farmer’s field. 143 newly developed equipments were procured and 160 demonstrations conducted during 2008-09 with approximate expenditure of Rs.28.69 lakh.

11.5.2. During 2009-10, it has been proposed to conduct the programme with an outlay of Rs.60.00 lakh.

11.6. **Post Harvest Technology and Management**

The Central Sector scheme for “Post harvest technology and management” has been prepared with a aim to create adequate infrastructure in rural areas for primary processing and value addition so as to reduce the post harvest losses and ensure better price for the producer. During 2008-09, the allocated amount of Rs.34.40 lakh was utilized for creating awareness through demonstration and training. The endeavour shall be continued during 2009-10 with an expense of Rs 37.84 lakh.

12. ORISSA AGRO INDUSTRIES CORPORATION

12.1. The Orissa Agro Industries Corporation Limited (OAIC) is engaged in marketing of various Agricultural Inputs including agricultural machineries / equipments / implements through a wide network of district as well as branch offices. Besides, the corporation also executes Tube Wells, Bore Wells and Direct lift irrigation Projects for individuals as well as communities. It also provides other inputs such as fertilizers, pesticides, cattle and poultry feed to the farmers. During 2008-09 the corporation has made a turn over of Rs.201.84 crores against annual target of Rs.139.09 crores. During 2008-09, it has sold 2323 no. of tractors, 630 power tillers, 399 power reapers, 6183 Diesel pumpsets, 30 sprinkler sets. Besides, it has energized 42 Dug wells, 212 Shallow Tube wells and 26 Bore wells.



12.2. During 2009-10 it has proposed an annual plan for Rs.211.63 crores for various activities.

13. EXTENSION TRAINING AND IMAGE

13.1. The Centrally Sponsored Plan scheme “Support to State Extension Programme for Extension Reform” with 90:10 funding has been extended to all Districts in 2007-08. IMAGE as a State Agricultural



Management and Extension Training Institute (SAMETI) caters to the HRD needs of ATMA districts by facilitating preparation of Strategic Research and 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. Besides, the ATMA system has been extended to all the districts of the state. IMAGE has been declared as the Nodal Agency for implementation of National Food Security Mission.

The funds of NFSM are routed through IMAGE. IMAGE is also declared as the Agency for routing of funds for the scheme Rastriya Krishi Vikas Yojana(RKVY) and National Project on Management of Soil Health and Fertility. During 2008-09, 65 different trainings had been conducted and 2376 participants were trained. Apart from this, funds have been utilized to carry out such extension reforms activities in all the 30 ATMA districts with a total expense of Rs.1459.11 lakh.

13.2. A budget provision of Rs.2500.00 lakh has been made for continuing various interventions during the year 2009-10.

14. ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY

14.1. The OUAT received grants-in-aid from the Government through the Agriculture Department



amounting to Rs.3159.54 lakhs under Non-Plan and Rs.467.54 lakhs under State Plan during the year 2008-09 for Education, Research and Extension programmes. Besides, the University has received Rs.500.00 lakhs from the Planning & Co-ordination Department of the Govt. under special problem funds 2008-09 for establishment of the 3rd Agriculture College under the University at Bhawanipatna and Rs.131.98 lakhs from Higher Education Department under Non-Plan.

14.2. *Education*

14.2.1. The University conducted Undergraduate and Post Graduate courses in Agriculture, Horticulture, Agricultural Engineering, Home Science, Fisheries, Animal Husbandry & Veterinary Sciences and Basic Sciences through its constituent Colleges. Besides Masters' Degree programme on Microbiology, Bioinformatics, Computer Science and Agri-Business Management are offered on self finance basis. During 2008-09, 384 Graduates, 195 Post graduates and 18 Ph.Ds were conferred degrees in various disciplines. A new College of Horticulture has been established under the University at Chiplima, Sambalpur from 2008-09 academic session.

14.2.2. There is proposal of opening new PG Departments in the disciplines like Agricultural Meteorology in the College of Agriculture, Bhubaneswar, Fishery Resource Management in the College of Fisheries, Rangailunda and Food and Nutrition in College of Home Science, Bhubaneswar. Besides the 3rd College of Agriculture will be established at Bhawanipatna from the academic session 2009-10 and the existing Department of Forestry of the College of Agriculture is being upgraded to a College of Forestry with post graduation in six disciplines.

14.3. *Research*

14.3.1. In 10 Agro climatic zones of the State, the OUAT maintains 8 Regional Research & Technology Transfer Stations, 4 Sub-Stations, 7 Commodity Research Centres and 13 Adaptive Research Stations where research activities for technology development and up-gradation are carried out through the State and National level research programmes. Three sub projects under National Agricultural Innovation Projects (NAIP) namely, 'Sustainable rural livelihood & food security to rainfed farmers of Orissa', 'Modelling the performance of a few major cropping systems in eastern India in the light of projected climate change' and 'Value chain of ginger and ginger products' have been implemented in a

consortium mode in the University with support of the ICAR. Three field units of Agromet Advisory Services (AAS) have been established in the University at RRTTS, Mahisapat (Dhenkanal), RRTTS, Semiliguda (Koraput) and KVK, Malkangiri (Malkangiri) for providing agro based advisories to farmers of the concerned districts. The University has also implemented nine need based research projects with support of RKVY and NFSM. Three new All India Co-ordinated Research Projects on “Improvement of feed resources and nutrient utilization in raising animal production”, “Onion and garlic” and “ Biological control of crop pests and weeds” were implemented in the University from 2008-09.



14.3.2 During 2008-09, the University has made significant contributions in terms of developing technologies on improvement, production and protection of crops, animals, fishes, developed land management technologies and value added products. A few of the salient findings are listed below.

- Cashew varieties Jagannath and Balabhadra have been released for cultivation in the state during 2008-09.
- Extensive field trials conducted in acid soils of the state revealed that application of paper mill sludge at the rate of 10 to 30% of lime requirement in different soils could increase yields of groundnut, maize, ragi, arhar, mustard and sunflower in the range of 25 to 150%.
- Resources can be effectively utilized in watershed development by adoption of multi-objective linear programming technique developed by the University.
- A dehumidified air dryer using heat pump system was developed for drying fruits, vegetables, spices, medicinal and aromatic plants at lower temperature and relative humidity.
- Monographs on ‘Ganjam goat’, ‘Motu cattle’ and ‘Binjharpuri cattle’ have been prepared and breed descriptors have been developed. A video documentation on characterization of ‘Chilika buffalo’ has been made.
- Incorporation of 9% refined vegetable oil and 5% refined wheat flour as binder was found to be optimum for preparation of the chicken patties.

14.3.3 During the year 2008-09, University has produced quality seeds (Breeder / Foundation / Certified) of different crops, quality planting materials of horticultural / silvicultural crops and fish seed (Carp) and distributed to farmers / Govt. organizations/NGOs. The seed production infrastructure has

been strengthened through support of ICAR/RKVY, etc. A Biotechnology-cum-commercial Tissue Culture Centre has been established at an outlay of Rs.3.47 crores with GOI support to produce quality planting materials of banana, pineapple, papaya, ginger, sugarcane and gerbera.



14.3.4. During 2009-10, it is proposed to conduct research on improvement, production and protection of crops/animals/fishes, post harvest processing and value addition, development of agricultural machinery and land management techniques. Two NAIP projects namely, “Enabling small holders to improve their livelihood and benefits from carbon finance” and “Capitalization of prominent land races of rice in Orissa through value chain approach” with OUAT as one of the consortium partners are proposed to be implemented in the University shortly.

14.3.5 Intellectual Property Management

The University has already filed applications for registration of nine of its rice varieties with the Protection of Plant Varieties and Farmers’ Right Authority. The Extant Variety Registration Committee (EVRC) has recommended registration of two of these namely, Jogesh and Pratikshya. Besides, three patent applications have been filed in Patent office, Kolkata. Steps have also been taken to file two geographical indications with the GI Registry, Chennai. The GI applied on Ganjam goat ghee if successfully registered shall be the first Animal Product GI in the country. Six proposals on (i) Khariar Cattle, (ii) Mottu Cattle (iii) Kalahandi Buffalo (iv) Chilika Buffalo (v) Ghumsar Goat and (vi) Kendrapara Sheep have been submitted to the National Bureau of Animal Genetic Resources (NBAGR), Karnal. Seminars have been organised and literature published for creating awareness among scientists, faculty members, policy makers, Govt. officials and farmers on protecting intellectual property. The policy guidelines of the University on Intellectual Property Rights are being finalized shortly.

14.4. **Extension education**

14.4.1 *Krishi Vigyan Kendras (KVKs)*: Presently 27 Krishi Vigyan Kendras (KVKs) are functioning in 27 Districts under OUAT. During 2009-10 it is proposed to set up one more KVK in Bolangir District. Besides three new additional KVKs are being sanctioned one each for Mayurbhanj, Ganjam and Sundergarh districts. Two Agro-polytechniques will be opened at KVK, Deogarh & KVK, Boudh shortly with support of Western Orissa Development Council.



14.4.2. *On Farm Trial and Front Line Demonstration*: A total of 247 On Farm Trials involving 1976 farmers in 49.4 ha area have been taken up during 2008-09. Besides, a total of 616 front line demonstrations on different crops in an area of 443 ha were conducted in Farmers' fields demonstrating production and protection technologies under direct supervision of the scientists. It is proposed to take up 675 front line demonstrations in 756 ha and 297 On Farm Trials in 59.4 ha during 2009-10.

14.4.3 *Training* : Capacity building of farmers/ farm women/ rural youth was carried out through 1874 training programmes on improved technologies covering 45,425 farmers. Training was also imparted to 3533 personnel of the line Departments and NGOs through 226 programmes. There is proposal of 2025 training programmes for farmers/ farm women/ rural youth and 207 training programmes for personnel of the line Departments and NGOs during 2009-10.

14.4.4 *Distance Education*: Two hundred and forty seven farmers have been enrolled in 10 courses offered by the distance education project of the University. A total of 2986 farmers visited the Agricultural Technology Information Centre.

14.4.5 *Gyanalok Project*: The Gyanalok project is implemented in 6 villages, two each in three districts namely, Nuapara, Kalahandi and Kandhamal through the respective KVKs of the University. The benchmark survey of the areas has been completed. So far two training programmes involving fifty participants, two awareness camps involving hundred participants and 8 video shows involving 400 participants have been taken up in Kalahandi district. In Kandhamal district 15 training programmes covering 347 participants, 7 demonstrations covering 42 participants, 2 field days covering 50 participants and 4 video shows covering 200 participants were taken up. In Nuapara, however, one awareness camp covering 30 participants and four video shows covering 110 participants were taken up.



AGROCLIMATIC ZONES AND THEIR CROPS

ACZ	Districts Covered	Crops grown
North-Western Plateau	Sundargarh, Deogarh	Rice, Greengram, Blackgram, Arhar, Horsegram, Groundnut, Mustard, Wheat, Potato, Sweet potato, Vegetables, Mango, Banana, Citrus, Litchi, Guava and Papaya.
North-Central Plateau	Mayurbhanj, Keonjhar (Except Anandapur)	Rice, Wheat, Arhar, Greengram, Blackgram, Horsegram, Groundnut, Linseed, Mustard, Mesta, Niger, Sweet potato, Potato, Chilli, Turmeric, Ginger, Vegetables, Mango, Banana, Citrus, Pineapple, Sapota
North-Eastern Coastal Plains	Balasore, Bhadrak, Jajpur (Except Sukinda), (Anandapur)	Rice, Greengram, Blackgram, Mustard, Groundnut, Jute, Sweet potato, Potato, Chilli, Vegetables, Mango, Banana, Papaya, Guava, Coconut.
East & South Coastal Plains	Cuttack(P), Kendrapara, Jagatsinghpur, Puri, Ganjam(P), Khurda, Nayagarh	Rice, Maize, Greengram, Blackgram, Jute, Groundnut, Mustard, Sesamum, Horsegram, Vegetables, Potato, Sugarcane, Chilli, Mango, Banana, Coconut, Guava, Citrus, Cashew
North-Eastern Ghats	Ganjam(P), Gajapati, Rayagada, Kandhamal, Boudh	Rice, Maize, Jowar, Ragi, Sugarcane, Horsegram, Greengram, Cotton, Blackgram, Mustard, Niger, Groundnut, Turmeric, Mesta, Sweet potato, Chilli, Ginger, Vegetables, Mango, Jack fruit, Citrus, Pineapple, Sapota, Coconut.
Eastern Ghats Highland	Nawarangpur (P), Koraput(P)	Rice, Maize, Ragi, Jowar, Small millets, Horsegram, Castor, Arhar, Gram, Groundnut, Mustard, Cotton, Mesta, Turmeric, Ginger, Sweet potato, Vegetables, Mango, Jack fruit, Guava, Ber, Cashew.
South Eastern Ghats	Malkangiri, Koraput(P)	Rice, Maize, Ragi, Horsegram, Wheat, Blackgram, Greengram, Groundnut, Niger, Sesamum, Mesta, Sweet potato, Pea, Chilli, Vegetables, Ginger, Mango, Banana, Guava, Ber, Pineapple, Cashew.
Western Undulating Lands	Kalahandi, Nuapada, Nawarangpur (Dabugaon)	Rice, Maize, Wheat, Jowar, Arhar, Greengram, Blackgram, Horsegram, Gram, Groundnut, Mustard, Cotton, Sugarcane, Vegetables, Lathyrus, Onion, Mango, Papaya, Guava, Banana.
Western Central Table Lands	Bargarh, Subarnapur, Bolangir, Sambalpur, Jharsuguda	Rice, Wheat, Arhar, Greengram, Blackgram, Horsegram, Gram, Groundnut, Mustard, Mesta, Sugarcane, Chilli, Potato, Vegetables, Mango, Banana, Guava, Ber, Cashew.
Mid Central Table Lands	Dhenkanal, Angul, Cuttack (P) & Sunkinda	Rice, Maize, Greengram, Blackgram, Arhar, Sesamum, Groundnut, Mustard, Onion, Vegetables, Sugarcane, Chilli, Mango, Litchi, Citrus, Guava, Sapota, Pineapple.

ANNEXURE-II
**ACHIEVEMENT DURING 2008-09 AND PROGRAMME FOR 2009-10 UNDER MACRO MANAGEMENT OF AGRICULTURE
(Rupees in lakh)**

Sl. No.	Component	Unit	2008-09 (Provisional)				2009-10	
			PHYSICAL		FINANCIAL		PROGRAMME	
			Prog.	Achv.	Prog.	Achv.	Physical	Financial
1	RICE DEVELOPMENT (WORK PLAN) Demonstration							
	a) Demon. of SRI in Hybrid / HYV Rice technology	Ac	2136	2136	64.08	64.08	2136	64.08
	b) Mixed cropping Demonstration on Rice based cropping system	Ac	178	178	5.34	5.34	117	3.51
2	Seeds							
	a) Subsidy on distribution of cert. paddy seeds	Qtl.	40133	40133	186.70	200.67	51364	256.82
	b) Subsidy on distribution of green manure seeds	Qtl.	425	425	0.85	0.85	2000	4.00
	c) Incentives on Prodn of certified seeds	Qtl.	20000	20000	15.00	20.00	50630	50.63
3	Trainings							
	a) Farmers training at FFS Pattern	No.	125	125	21.25	21.25	178	30.26
	b) State Level Preseasonal Orientation training	No.	1	2	2.00	1.98	2	2.00
	c) Dist. Level Preseasonal Orientation training	No.	47	47	3.53	3.53	47	3.53
	d) Conducting District Mahotsav	No.	30	30	3.00	3.00	30	3.00
	e) Krushak Sampark Mela	No.	314	314	94.20	94.20	314	94.20
	f) Celebration of Krushak Dibas	No.	48	48	3.60	3.60	48	3.60
4	Farmers Exposure Visit							
	a) Outside the State	Group	5	5	5.76	5.76	4	3.84
	b) Inside the State	No.	405	405	5.06	5.06	400	5.00
5	General							
	a) Preparation of IEC material	Rs			15.00	15.00		15.00
	b) Concurrent Evaluation	Rs			5.00	4.80		5.00

Sl. No.	Component	Unit	2008-09 (Provisional)				2009-10	
			PHYSICAL		FINANCIAL		PROGRAMME	
			Prog.	Achv.	Prog.	Achv.	Physical	Financial
	c) Contingencies	Rs			23.00	22.94		25.00
	d) Liabilities of 2007-08							
	(i) Establishment of Godown- cum Seed Processing Plant					5.07		
	(ii) Hybrid Rice demon., training & assistance to Krushak sathi					3.75		
	TOTAL				453.37	480.87		569.47
	RAGI DEVELOPMENT (WORK PLAN)							
1	Demonstration and Popularisation of Ragi Cultivation	Acre	3000	3000	15.00	15.00	3000	15.00
2	FARMER EXPOSURE VISIT							
	a) Inside State	No	150	150	1.88	1.88	120	1.50
	b) Outside State	Group	2	2	1.92	1.92	3	2.88
3	FFS on Production Technology of Ragi	No.	47	47	4.00	4.00	50	4.25
4	Subsidy on distribution of certified seeds @ Rs 400/- per qtl.	Qtl.	400	400	0.00	1.60	250	1.00
	TOTAL				22.80	24.40		24.63
	SUGARCANE DEVELOPMENT (WORK PLAN)							
1	FFS on Sugarcane @ Rs.15000/-	No	75	75	11.25	11.25	75	11.25
2	Technology Demonstration (Pit Method)	No	731	990	54.83	74.25	900	67.50
3	FARMER EXPOSURE VISIT							
	a) Inside State	No	200	200	2.50	2.50	200	2.50
	b) Outside State	Group	3	2	1.92	2.88	3	2.88
4	Incentive on seed multiplication in S. Cane @800/-	Acre	1050	1250	8.40	10.00	1250	10.00
5	Ratoon Management Demon. On S. Cane @ Rs.3500/-	Acre	552	595	19.32	20.83	600	21.00
6	Inter cropping Demonstration	Unit	600	600	3.00	3.01	574	2.87

Sl. No.	Component	Unit	2008-09 (Provisional)				2009-10	
			PHYSICAL		FINANCIAL		PROGRAMME	
			Prog.	Achv.	Prog.	Achv.	Physical	Financial
7	Subsidy on Seed Cane	Acre	1900	2500	7.60	10.00	2850	11.40
8	State Level Training of Extension officers	No.					3	0.60
9	Farmer -Scientist-Extension Workers Interface	No.					3	0.90
10	Incentive on use of Bio agent					0.60		
	TOTAL				108.82	135.32		130.90
BALANCED & INTEGRATED USE OF FERTILIZER (WORK PALN)								
1	Strengthening and Modernisation of Fertiliser Testing Lab, BBSR	No	1	1	17.90	20.00		
2	Strengthening and Modernisation of Soil Testing lab at Cuttack	No	1	1	5.00	5.00		
	TOTAL				22.90	25.00		
FARM MECHANISATION (WORK PLAN)								
	<i>Subsidy on</i>							
1	Power Tiller	No	1060	1060	681.30	477.00	829	373.05
2	Paddy Reaper	No	117	117	24.80	23.40	51	20.40
3	Paddy Transplanter	No	15	15	6.00	6.00	32	12.80
4	Power operated implements	No	13	13	0.80	1.30	20	2.00
5	Specialised Power Operated Implements	No	83	83	17.00	16.60	68	13.60
6	Rotavator	No	30	30	8.40	6.00	22	4.40
7	Manual or Bullock drawn Implements	No	2126	2126	42.52	42.52	2000	40.00
8	Hydraulic Tractor	No	402	402	43.00	100.50	381	95.25
9	Subsidy on Tractor	No	1287	1287	362.25	579.15	2670	1201.50
10	Power Thresher (All types)	No	340	340	20.40	17.00	100	12.00
11	Liabilities of Agriculture Implement for 2002-03					42.42		
	TOTAL				1206.47	1311.89		1775.00
	TOTAL WORK PLAN				1814.36	1977.47		2500.00

**ACHIEVEMENT DURING 2008-09 AND PROGRAMME FOR 2009-10 FOR
ISOPOM SCHEME**

(Fig : Rupees in lakh)

Sl. No.	Component	Unit	2008-09 (Provisional)				2009-10	
			PHYSICAL		FINANCIAL		PROGRAMME	
			Prog.	Achv.	Prog.	Achv.	Physical	Financial
PULSE DEVELOPMENT (ISOPOM)								
1	Distribution of Certified Seeds	Qtl.					2000	24.00
2	Block Demonstration	Ha.	600	595	12.00	11.90	600	12.00
3	Farmers Training	No.	314	314	47.10	47.10	314	47.10
4	R.Culture/PSB.	Ha.	5000	5000	5.00	4.87		
5	IPM Demonstration (FFS on Arhar)	No.	180	180	40.83	40.83	180	40.82
6	PP Chemicals	Ha.	700	700	3.50	3.43	3000	15.00
7	PP Equipment	No.	3785	3785	34.26	34.11	3500	28.00
8	Distribution of Sprinkler Set	Sets	60	60	4.50	4.50	50	3.75
9	Vermi Compost (Small Unit)	No.	628	620	12.56	12.40		
10	Contingencies	Rs.			4.25	4.25		5.27
11	Supply of Micronutrients	Ha.					1000	5.00
12	Purchase of Breeder Seeds	Qtl					20	1.05
13	Production of Foundation Seeds	Qtl					300	3.00
14	Production of Certified Seeds	Qtl					1500	15.00
	TOTAL				164.00	163.39		199.99
MAIZE DEVELOPMENT (ISOPOM)								
1	Distribution of Certified Seeds	Qtl					50	0.60
2	IPM Demonstration (FFS)	No.	120	120	27.22	27.22	80	18.14
3	Block Demonstration	Ha.	200	200	8.00	7.99	100	4.00
4	Farmers Training	No.	100	100	15.00	15.00		

Sl. No	Component	Unit	2008-09 (Provisional)				2009-10	
			PHYSICAL		FINANCIAL		PROGRAMME	
			Prog.	Achv.	Prog.	Achv.	Physica	Financial
5	R.Culture/PSB.	Ha.	1000	1000	1.00	1.00	0	
6	PPequipment	No.	3017	3017	24.14	24.09	1500	12.00
7	HDPE Pipes	No.	45	45	6.75	6.45	25	3.75
8	Publicity	Rs			0.83	0.83		
9	Contingencies	Rs.			4.06	4.06		1.51
	TOTAL				87.00	86.64		40.00
OILSEED DEVELOPMENT (ISOPOM)								
1	Distribution of Certified Seeds	Qtl	22499	22499	269.99	269.99	61700	740.40
2	Supply of Gypsum	Ha.	14656	14604	109.91	109.54	10000	75.00
3	R.Culture/PSB.	Ha.	2788	4192	2.79	2.79		
4	Farmers Training	No.	314	312	47.10	46.80	314	47.10
5	Distribution of Sprinkler Set	No.	99	99	7.43	7.42	100	7.50
6	PPequipment	No.	4985	5189	39.88	39.85	1000	8.00
7	Supply of micronutrients	Ha.	7518	7444	5.00	4.95	1000	5.00
8	Manual/ Bullock Driven Implements	No.	210	210	5.25	5.25	240	6.00
9	Power Driven Implements	No.	37	37	5.55	5.55	40	6.00
10	Exposure Visit (Outside State)	Group	10	10	9.00	9.00	10	9.00
11	Vermi Compost (big unit)	No.	314	314	31.40	31.40		
12	Staff & Contingencies	Rs.			8.00	7.96		9.37
13	Purchase of Breeder seeds	Qtl.					500	22.50
14	Production of foundation seeds	Qtl.					1520	15.20
15	Production of Certified Seeds	Qtl.					20000	200.00
16	Demonstration of IPM (FFS)	No.	100	100	22.68	22.68	100	22.68
17	Block Demonstration	Hect.	400	400	11.00	10.88	925	26.25
	TOTAL				574.98	574.06		1200.00

Annexure-IV

ACHIEVEMENT UNDER ICDP(COTTON) SCHEME DURING 2008-09 AND PROGRAMME FOR 2009-10

(Fig: Rupees in lakhs)

Sl. No	Component	Unit	2008-09 (Provisional)				2009-10	
			PHYSICAL		FINANCIAL		PROGRAMME	
			Prog.	Achv.	Prog.	Achv.	Physical	Financial
COTTON DEVELOPMENT								
1	Farmers Field School (F1)	No.	150	150	23.10	23.09	133	22.61
2	Surveillance of pest & diseases	Dist.	7	7	7.00	7.00	7	7.00
3	Distribution of Pheromon Trap	Ha.	799	892	2.36	2.35	1000	3.00
4	Supply of Bio-agent/ Bio-pesticides	Ha.	1344	1366	12.09	12.09	1050	9.45
5	Supply of Manually Operated Sprayer	No.	3625	5172	28.97	28.96	5000	40.00
6	Supply of Power Operated Sprayer	No.	158	158	3.16	3.16	89	1.78
7	Supply of Sprinkler set	Sets	80	103	12.00	11.90	54	8.10
8	State Level Training of Extension Workers	No.	7	7	1.05	1.05	7	1.05
9	FLD on IPM Technology	No.	22	22	21.22	21.21	22	22.00
10	Electronic Print Media/ Publicity				3.26	3.26		9.00
11	Training of Facilitators	No.					2	20.00
12	FLD on production Technology.	Acre	4000	2000	39.86	39.86	2000	40.00
	<u>New Intervention</u>							
13	Farmers Awareness Campaign for fibre quality management	No.	18	31	1.80	1.80	50	5.00
14	Supply of Weedicides	Ha.	400	330	1.00	1.00	400	1.01
15	Farmers' Training	No.	224	224	11.20	11.20	190	9.50
16	Contingencies	Rs.			3.50	3.48		9.50
17	FLD on farm Implements	No.					2	2.00
	TOTAL				171.56	171.41		211.00

Annexure-V

ACHIEVEMENT UNDER JUTE TECHNOLOGY MISSION(MM-II) SCHEME DURING 2008-09 AND
PROGRAMME FOR 2009-10

(Fig: Rupees in lakhs)

Sl. No.	Component	Unit	2008-09 (Provisional)				2009-10	
			PHYSICAL		FINANCIAL		PROGRAMME	
			Prog.	Achv.	Prog.	Achv.	Physical	Financial
1	Distribution of Seeds	Qtl.	654	654	13.08	13.08	495	9.90
2	Prod. Tech. Demonstration (Jute)	Ha.	500	500	15.00	15.00	1200	36.00
3	Prod. Tech. Demonstration (Mesta)	Ha.	400	400	12.00	12.00		
4	Retting Tech. Demonstration	No.	300	300	6.00	6.00	304	6.08
5	Essential Nutrient Minikits	No.	5000	5000	10.00	10.00	8000	16.00
6	Foliar Spray (Urea)	Ha.	1000	1000	2.00	2.00	1000	2.00
7	Retting Scheme for post harvest operations	No.	6	6	30.00	30.00		
8	Kutchra Retting Tank	No.	546	546	13.65	13.65	400	10.00
9	Pucca Retting Tank	No.	50	50	10.00	10.00		
10	Farmers Training	No.	60	60	3.00	3.00	110	5.50
11	Exposure Visit of Farmers	No	120	120	3.60	3.60	120	3.60
12	IPM Demonstration	No.	20	20	3.00	3.00	20	3.00
13	Farmers Field School (FFS)	No.	60	60	15.00	15.00	60	15.00
14	Contingencies	Rs.	0	0	2.02	2.02	0	2.00
15	Subsidy on sprayer	No	2850	2850	19.95	19.95	4500	36.00
16	Seed Minikit	No.	2445	2445	0.99	0.99	6000	3.60
	TOTAL				159.29	159.29		148.68

Achievement under NFSM during 2008-09

Sl No.	Components / Interventions	Units	Pattern of assistance.	Programme		Achievements	
				Phy.	Fin. (Lakhs)	Phy.	Fin. (Lakhs)
A.	NFSM-RICE		(Rs.)				
1	Dem. on improved package of practices	No.	2500	8671.00	216.78	8671	216.78
2	Dem. on SRI	No.	3000	8364.00	250.92	8379	250.92
3	Dem. on Hybrid rice tech	No.	3000	2475.00	74.25	2460	74.25
4	Asst. for distribution of Hybrid rice seed	Qtl.	2000	300.47	6.01	290.198	5.80
5	Asst. for distri. of HyV seeds	Qtl.	500	117450.00	587.25	117644.28	588.22
6	Seed Minikits of HyVs	No.	Full Cost	45600.00		45549	
7	Incentives for micronutrients	Ha.	500	22998.00	114.99	27535	203.59
8	Incentives for Liming	Ha.	500	101352.50	506.76	84073.00	455.06
9	a) Incentive for Conoweeder & other Farm Impliments	No.	3000	9173.00	275.18	8226	368.22
	b) Incentive for Pump sets	No.	10000	8631.00	863.10	7036	703.69
	c) Incentive for Rotavator	No.	30000	20.00	6.00	9	2.70
	d) Incentive for Power weeder	No.	15000	20.00	3.00	7	1.05
10	Incentives for PP Chemicals	Ha.	500	22604.00	111.31	25986	145.27
11	Farmers training on FFS pattern	No.	17000	456	77.52	456	77.52
12	Misc. expenses a) District Level		636000	15	95.40	15	95.40
	b) State Level		1387000	1	13.87	1	13.87
	TOTAL (RICE)				3202.34		3202.34
B.	NFSM-PULSES						
1	Seeds						
	a) Purchase of breeder seeds	Qtls	5234	14.4	0.75	14.4	0.75
	b) Production of foundation & certified seeds	Qtls	1000	2000	20.00	3337	33.37
	c) Distribution assistance on certified seeds	Qtls	1200	7176.41	86.12	5958.42	71.50
	d) Strengthening of state seed certification agency				25.00		25.00

SI No.	Components	Units	Pattern of Assistance.	Programme		Achievements	
2	Integrated Nutrient Management						
	a)Supply of gypsum	Ha	750	205123	469.91	107075	374.76
	b)Supply of micronutrients	Ha	500	72925	285.81	56852	284.26
3	Integrated Pest Management(IPM)	Ha	750	92825	417.23	55320	414.90
4	Distribution of sprinkler sets	No	7500	1524	114.30	1836	137.70
5	Extension trg, Mass media campaign including awards to the best performing dist.						
	a)Training on pattern of FFS	No	17000	336	57.12	336	57.12
	b)State level training for trainers	No	100000	3	3.00	5	3.00
	c)Award for best performing dist.	No	500000				
6	Miscellaneous Exp. (Project mgt. team, contractual services, POL, Cont. & other exp. At dist. Level)						
	a)Dist. Level				44.70		44.70
	i)One consultant/per dist./month		15000	1			
	ii)Two technical assistant/dist/month		8000	2			
	iii)Cont. for misc. expences/yr/dist		75000				
	b)State level						
	i)One consultant/state/month		20000	1	2.40	1	2.40
	ii)Two technical assistant/state/month		12000	2	2.88	2	2.88
	iii)Cont. for misc. expences/year		100000		1.00		1.00
7	Newly Included Farm Machinery						
	a) Pump Sets	No	10000	7100	710.00	7424	742.40
	b) Sprayers	No	800	27258	218.33	32810	262.48
	TOTAL(Pulses)				2458.54		2458.22
C	LOCAL INITIATIVES						
					1185.00		592.50
D	MEDIA & PUBLICITY				203.00		80.50
	Grand Total				7048.88		6333.56

Programme under NFSM for 2009-10

Annexure-VII

Sl.	Components/Interventions	Units	Approved Rate of assistance.	Tentative Target Worked out by GOI		Target Proposed by the state	
				(Rs.)	Phy.	Fin. (Lakhs)	Phy.
A	NFSM-RICE						
1	Dem. of improved practices.	No.	2500	4027	100.675	4027	100.68
2	Dem. on SRI	No.	3000	1342	40.260	1342	40.26
3	Dem. on Hybrid rice Tech.	No.	3000	671	20.130	671	20.13
4	Support for promotion of Hybrid Seed.						
	a)Asst. on production of Hybrid	Qtl.	1000	0			
	b)Asst. on distribution of Hybrid.	Qtl.	2000	21000	420.000	2000	40.00
5	Asst.on distri. of HYV .	Qtl.	500	220000	1100.000	220000	1100.00
6	Seed Minikits(1 Kit for 50 Ha)	No.	Full Cost	40270		40270	
7	Intigrated Nutrient Management.						
	a)Incentives for micronutrients	Ha.	500	68400	342.000	68400	342.00
	b)Incentives for Liming Incentive for Farm Mechinaries	Ha.	500	68400	342.000	80400	402.00
9	a) Cono weeder & Marker	No.	3000	9000	270.000	9000	270.00
	b)Incentives for Zero Till Seed Drill	No	15000	450	67.500	15	2.25
	c)Incentive on Multi-crop Planter	No	15000	450	67.500	15	2.25
	d)Seed Drills	No	15000	450	67.500	15	2.25
	e)Insentive on Rotavators	No.	30000	225	67.500	75	22.50
	f)Insentives for Pumpset	No.	10000	225	22.500	5000	500.00
	h) Power weeder	No.	15000	450	67.500	15	2.25
	i) Insentive on Knap Sack Sprayer	No.	3000	9000	270.000	14000	420.00
10	Incentives for PP Chemicals	Ha.	500	50000	250.000	50000	250.00
11	FFS		17000	552	93.840	552	93.84
12	Award for best performing District.		500000	1	5.000	1	5.00

Sl.	Components/Interventions	Units	Approved Rate of assistance.	Tentative Target Worked out by GOI		Target Proposed by the state	
				(Rs.)	Phy.	Fin. (Lakhs)	Phy.
13	International Exposure Technical Staff		10000000				
14	Misc.Ex.on Pro.Mgmt. Team						
	a) District Level	No. of Staff	6.36	15	95.400	15	95.400
	b) State Level		13.87	1	13.870	1	13.870
	TOTAL				3723.175		3724.675
B	NFSM-PULSE						
1	Seeds						
	a)Production of Breeder Seeds of Pulses	Qtls	Rs. 2.00				
	b)Purchase of breeder seeds of Pulses from ICAR	Qtls	Actual Cost	1450	75.893	1450	75.893
	c)Production of foundation seeds	Qtls	1000	1100	11	1100	11
	d)Production of certified seeds	Qtls	1000	11000	110	11000	110
	e)Distribution on certified seeds	Qtls	1200	6358	76.296	8000	96
	f)Strengthening of state seed certification agency		25 lakh	1	25	1	25
2	Integrated nutrient management						
	a)Gypsum	Ha	750	9100	68.25	45000	337.5
	b) Micronutrients	Ha	500	24286	121.425	45000	225
3	Integrated pest management(IPM)	Ha	750	9100	68.25	50000	375
4	Distribution of sprinkler sets	Ha	7500	4460	334.5	4460	334.5
5	Distribution of Zero Till Seed Drills	No.s	15000	450	67.5	20	3
6	Distribution of Multicrop planter	No.s	15000	450	67.5	20	3
7	Distribution of Seed Drills	No.s	15000	450	67.5	20	3
8	Distribution of Rotavators	No.s	30000	225	67.5	50	15

Annexure-VIII

Projects Sanctioned during 2008-09 and year wise requirement of funds under RKVY

S.N.	Projects	1st Year	2nd Year	3rd Year	4th Year	5th Year	Total
	Stream-I						
1	DOWR						
	(i) Command Area Dev. & Water Management of Salia Irrigation Project	107.13	305.46	424.54	330.47	0.00	1167.60
	Total of Water Resources Deptt.	107.13	305.46	424.54	330.47	0.00	1167.60
2	Horticulture						
	(i) Onion Storage structure 1200 nos.	96.00					96.00
	(ii) Vermi - compost units	26.25					26.25
	(iii) Establishment of Model Nursery in Non NHM districts	15.00	19.00	20.00			54.00
	(iv) Development of Ekamrakanan Farm	20.00	39.00				59.00
	(v) Establishment of Horticulture Training Insitutute, Kandhmal	100.00	100.00				200.00
	(vi) Establishment of Mega Nursery at Kandhamal	64.00					64.00
	(vii) Improvement of Horticulture Farm and Nurseries	155.74	100.00				255.74
	Total Horticulture Sector	476.99	258.00	20.00	0.00	0.00	754.99
3	Soil Conservation/OWDM						
	(i) Dev. of 100 New Watersheds	712.50	1425.00	1425.00	712.50	475.00	4750.00
	(ii) Dev. of SCDC at Biswanahakani	42.35					42.35
	(iii) Dev. of SCDC/PDC/shelter belt plantation	105.77					105.77
	(iv) Estt. of resource centres (10 Nos)	90.00	60.00				150.00
	Total Soil Conservation Sector	950.62	1485.00	1425.00	712.50	475.00	5048.12
4	Cooperation						
	(i) Estt. Of Specialiged Maize Mandi at Umerkote & Raighar						
	Umerkote	40.00	48.75				88.75
	Raighar	30.00	38.50				68.50
	(ii) Cotton Market yard at Parlakhemundi & Berhampur						
	Parlakhemundi	40.00	33.26				73.26
	Berhampur	76.15	50.00				126.15
	Total Cooperation Deptt.	186.15	170.51	0.00	0.00	0.00	356.66

S.N.	Projects	1st Year	2nd Year	3rd Year	4th Year	5th Year	Total
5	Fisheries						
	(i) Artificial Reef	74.90					74.90
	(ii) Improvement of State Fishery Training Institute, Balugaon	30.00	40.00				70.00
	(iii) Improvement of State Brackish Water Training Institute, Paradeep	20.00	20.00				40.00
	(iv) Upgradation & modernisation of Fish Seed Farm	98.00	98.00				196.00
	Total Fisheries Sector	222.90	158.00	0.00	0.00	0.00	380.90
6	Animal Husbandry & Dairy						
	(i) Setting up of 26 District Diagnostic Laboratories & Strengthening of 4 Regional Disease Investigation Laboratories	300.00	420.00				720.00
	(ii) Strengthening of Livestock breeding farm (Chiplima & Keonjhar)	95.00	50.00				145.00
	(iii) Strengthening of frozen semen bank Cuttack	50.00	47.97				97.97
	(iv) Installation of Travis (3469 Nos)	83.00					83.00
	(v) Improvement of poultry farms & Estt. of Hatcheries (20 Nos)	600.00	626.20				1226.20
	(vi) Dairy Dev. in Balasore & Bhadrak Districts	213.77	352.31	182.75			748.83
	(vii) Dairy Dev. in Sambalpur, Bargarh, Subarnapur & Jharsuguda Dists.	282.31	199.21	63.53			545.05
	(viii) Dairy Dev. in Keonjhar District	72.49	225.79	313.58			611.86
	(ix) Establishment of skimmed milk powder unit at Bhawanipatna	358.00	576.50	100.00			1034.50
	(x) Expansion of cattle feed plant at Radhadamodarpur, Khuntuni	200.00	382.81				582.81
	Total Animal Husbandry Sector	2254.57	2880.79	659.86	0.00	0.00	5795.22
7	Agriculture						
	(i) SRI Village (30 Nos)	100.00					100.00
	(ii) Modernisation of Agriculture Information wing	32.83	50.50	37.37			120.70
	(iii) Strengthening of statistical wing of DA & FP(O) incl. range offices	23.77					23.77
	(iv) Estt. Of Farm information Advisory Centre (100 Nos)	800.00	1200.00	500.00			2500.00

S.N.	Projects	1st Year	2nd Year	3rd Year	4th Year	5th Year	Total
	(v) Profiling of Secondary & Micronutrients	41.00	104.44				145.44
	(vi) Estt. Of Vermi Compost units (2500 Nos)	76.50					76.50
	(vii) Dev. Of Maize in Kandhamal Dist.	13.74	103.53	103.58	91.96		312.81
	(viii) Renovation of Agriculture Farms	89.18	169.09	100.00			358.27
	OSSCA						
	(ix) Construction of Seed Testing Lab. at Bhawanipatna	100.00	81.80				181.80
	(x) Estt. of Seed Certification Offices (4 Nos.), Baripada, Berhampur, Bolangir & Jeypore	100.00	100.00				200.00
	OSSC						
	(xi) Mobile Seed processing Plant	194.80					194.80
	(xii) Seed procesing Plant at Kuchinda	15.00					15.00
	(xiii) Seeds storage godwons(7), Keonjhar, Mayurbhanj, Khurda, Puri, Jagatsinghpur, Rayagada & Sundargarh	100.00	282.62				382.62
	(xiv) Dehumidified Refrigerated Seed storage unit (renovation)	50.00	62.21				112.21
	IMAGE(SAMETI)						
	(xv) Infrastructure Dev. Of IMAGE (SAMETI)	246.13	150.00				396.13
	OAIC						
	(xvi) Establishment of packing, grading & sorting unit	25.00					25.00
	Total Agriculture Sector	2007.95	2304.19	740.95	91.96	0.00	5145.05
8	Agriculture Research						
	(i) Infrastructure(4)	528.00	478.00				1006.00
	(ii) Research (8)	230.51	278.71				509.22
	Total Agril. Research	758.51	756.71	0.00	0.00	0.00	1515.22
	Total Stream-I	6964.82	8318.66	3270.35	1134.93	475.00	20163.76
	Stream-II						
	(i) Popularisation of Agriculture Implements	1410.98					1410.98
	(ii) Popularisation of pumpsets	1020.00					1020.00
	(iii) Supply of Gypsum	150.00					150.00
	Total Stream-II	2580.98	0.00	0.00	0.00	0.00	2580.98
	<i>Grand Total</i>	<i>9545.80</i>	<i>8318.66</i>	<i>3270.35</i>	<i>1134.93</i>	<i>475.00</i>	<i>22744.74</i>

Annexure-IX

DISTRIBUTION OF SEEDS DURING 2008-09 AND PROGRAMME FOR KHARIF 2009

Fig. in Qtls.

SEED	VARIETY	QUANTITY SUPPLIED			PROGRAMME Kharif 2009
		Kharif-08	Rabi 08-09 (Prov.)	TOTAL	
PADDY	Kalinga-III	131.05	12.30	143.35	210.00
	Khandagiri	16016.10	7039.59	23055.69	12075.40
	D.Heera			0.00	60.00
	Annada		6.00	6.00	
	Yogesh	25.50	62.70	88.20	250.00
	Kubera		4.50	4.50	
	Sidhanta	157.00	41.50	198.50	80.00
	Parijat	431.70	0.60	432.30	300.00
	Satabdi	926.70	272.10	1198.80	2207.60
	Lalat	25887.90	23056.56	48944.46	31319.10
	Navin	1685.10	2473.05	4158.15	8052.80
	Surendra	6049.80		6049.80	6703.40
	Konark	412.50	394.50	807.00	1500.00
	MTU-1001	65897.71	9020.93	74918.64	90216.20
	MTU-1010	7185.20	5860.90	13046.10	13136.60
	RGL-2332	394.45		394.45	2500.00
	RGL-2537	5049.72		5049.72	4000.00
	RGL-2538	1410.30	12.00	1422.30	1500.00
	MTU-7029	107476.67		107476.67	153115.30
	IET-5656	272.10		272.10	
	IR-64		138.90	138.90	
	Ramchandi	773.10		773.10	1500.00
	Mohanadi	716.20		716.20	100.00
	Sarala	4984.00		4984.00	8078.30
	Pooja	31210.27		31210.27	50027.70
	Jagabandhu	624.60		624.60	
	Barshadhan	9.00		9.00	
	Sebati	30.90		30.90	
	Kharavela	18.00		18.00	37.80
	Dharitri	0.60		0.60	
	Other Hybrid	158.89	51.14	210.03	
	Gajapati	25.80		25.80	30.30
	Kanchan	472.20		472.20	270.00
	Moti	1207.50		1207.50	500.00
	Gitanjali	21.30		21.30	100.00

SEED	VARIETY	QUANTITY SUPPLIED			PROGRAMME Kharif 2009
		Kharif-08	Rabi 08-09 (Prov.)	TOTAL	
	Durga	354.58		354.58	900.00
	Pusa-44	108.00		108.00	
	CR-1009	4444.40		4444.40	6000.00
	Varsa Dhan			0.00	
	CR-1030	129.90		129.90	300.00
	CR-1018	11620.30		11620.30	15958.80
	Hyb-KRH-2	558.00		558.00	
	Ranjeet	436.20		436.20	
	Upahar	205.50		205.50	
	Ketakijoha	15.00		15.00	300.00
	Lunishree			0.00	309.00
	CR-1014	1249.60		1249.60	750.00
	Padmini	947.10		947.10	750.00
	Pratikshya	4729.30		4729.30	23661.40
	BPT-5204	3210.60		3210.60	4500.00
	Jajati	1391.10		1391.10	700.00
TOTAL PADDY		309061.44	48447.27	357508.71	441999.70
WHEAT	Sonalika		6475.64	6475.64	
	UP-262		2019.40	2019.40	
	Hybrid		7.55	7.55	
TOTAL WHEAT		8502.59		8502.59	
RAGI	Bhairabi	15.88	4.82	20.70	87.10
	Chilika	26.35		26.35	
TOTAL RAGI		42.23	4.82	47.05	87.10
MAIZE	Navjot	136.73		136.73	85.65
	Shakti		14.22	14.22	33.00
	BIO-9637		4.00	4.00	456.74
	DHM-107	42.75	16.49	59.24	
	Other Hybrid	373.26		373.26	
	Decan-103	4.90		4.90	
TOTAL MAIZE		557.64	34.71	592.35	575.39
MOONG	PDM-54	174.15	277.19	451.34	825.40
	OUM.11.5	0.56	2.32	2.88	
	OBGG-52	2.60	10.10	12.70	50.00
	COGG-9.2		1.60	1.60	
	P-9072		0.48	0.48	
	LGG-44		10.00	10.00	

SEED	VARIETY	QUANTITY SUPPLIED			PROGRAMME Kharif 2009
		Kharif-08	Rabi 08-09 (Prov.)	TOTAL	
	Dhuli	0.15		0.15	
	TARM-1	0.60	114.29	114.89	
	Sujata	0.10	13.80	13.90	
	Pusa-9531	2.28		2.28	
	K-851	2.50	913.57	916.07	
	Pusa Bishal		19.40	19.40	
	PDM-139	25.89	27.99	53.88	94.70
	PDM-11	20.62	123.74	144.36	142.40
TOTAL MOONG		229.45	1514.48	1743.93	1112.50
BIRI	PU-30	276.22	1230.23	1506.45	398.00
	PU-35	119.62	1304.34	1423.96	243.05
	Sekhar-2	11.32	62.44	73.76	50.00
	Sekhar-1		31.14	31.14	
	TU-94-2	142.94	270.05	412.99	103.00
	Ultra	126.00		126.00	
	OBG-17	2.70		2.70	
	WB-108		28.32	28.32	
	PU-19		546.83	546.83	97.10
	Sarala	0.15		0.15	
	B-3-8	0.25		0.25	
	Ujala	6.92	5.20	12.12	
	IPU-94-1	8.00		8.00	
	T-9	28.80	592.42	621.22	200.00
	PDU-1	30.16	483.83	513.99	
TOTAL BIRI		753.08	4554.80	5307.88	1091.15
GRAM	Annegiri-1		895.00	895.00	
	JG-11		302.00	302.00	
	ICCV-2		40.80	40.80	
	ICCU-75		16.00	16.00	
TOTAL GRAM		0.00	1253.80	1253.80	
FIELDPEA	Rachna		629.50	629.50	
	Aparna		865.40	865.40	
TOTAL FIELDPEA		0.00	1494.90	1494.90	
ARHAR	Upas-120	92.41		92.41	293.48
	P-855	1.49		1.49	25.90
	Asha	0.08		0.08	106.00
	Laxmi	569.58		569.58	62.00

SEED	VARIETY	QUANTITY SUPPLIED			PROGRAMME
		Kharif-08	Rabi 08-09 (Prov.)	TOTAL	Kharif 2009
TOTAL ARHAR		663.56	0.00	663.56	487.38
GROUNDNUT	AK-12-24	4583.57	12891.85	17475.42	7093.00
	GG-6	2.10		2.10	
	GPBD-4		1088.74	1088.74	
	ICGS-44	18.00		18.00	
	SB-XI		2632.85	2632.85	
	TMV-2	3933.90	61092.93	65026.83	7099.00
	TAG-24	1118.00	909.53	2027.53	450.00
	Smruti	251.34	1445.44	1696.78	300.00
	AK-159	42.50	13.25	55.75	
TOTAL GROUNDNUT		9949.41	80074.59	90024.00	14942.00
NIGER	GA-10	96.02		96.02	36.75
TIL	Uma	11.07		11.07	
	GT-2				44.50
	Nirmal		0.20	0.20	
	JT-55	28.00		28.00	
TOTAL TIL		39.07	0.20	39.27	44.50
MUSTARD	Parvati		175.24	175.24	
	Pusa Agrani		275.21	275.21	
	M-27		101.90	101.90	
	ORI-2-4		26.00	26.00	
	ORI-6-2		26.00	26.00	
	Anuradha		88.96	88.96	
	PT-303		433.05	433.05	
	JD-6		9.55	9.55	
TOTAL MUSTARD		1135.91	1135.91		
SUNFLOWER	KBSH-44	25.00	15.40	40.40	5.20
	Other Hybrid		67.34	67.34	
TOTAL SUNFLOWER		25.00	82.74	107.74	
JUTE	JRO-524	482.20		482.20	306.00
MESTA		100.40		100.40	
COTTON	MCU-5	7.00		7.00	12.90
DHANICHA		2140.87		2140.87	2440.00

Annexure-X

**Physical and Financial Achievement during 2008-09 and programme for
2009-10 under NHM**

Rs. in lakh

Component	Unit	2008-09				2009-10	
		Physical		Financial		Physical	Financial
		Prog.	Achiev.	Prog.	Achiev.	Prog.	Prog.
A. Plantation Development including supporting Infrastructure							
1. Production of Planting Material							
i. Public Sector							
a. Model Nursery (4ha.)	Nos.	7	28	126.00	504.00	5	90.00
b. Small Nursery (1 ha.)	Nos.	64	40	192.00	120.00	10	30.00
ii. Private Sector							
a. Model Nursery (4ha.)	Nos.	20		180.00		5	45.00
b. Small Nursery (1 ha.)	Nos.	30		45.00		10	15.00
c. Vegetable Seed Prodn.							
Public Sector, ICAR, SAU, State Deptt.	ha.	100	225.84	50.00	112.92	100	50.00
2. Establishment of New Gardens							
Mango	ha.	15000	19454.52	1181.25	1532.04	10000	1125.00
Anola	ha.	300	358.00	19.13	22.82		
Litchi	ha.	40	400.82	3.15	31.57	100	11.25
Orange	ha.	80	126.92	7.73	12.26	100	11.25
K.Lime	ha.	200	649.78	19.32	62.76	300	33.75
2nd year maint. of Mango plantation (Perennial)	ha.	12012	8204.96	567.57	387.68	14305	965.59
1st year maint. of Mango plantation (Perennial)	ha.	14305	16881.35	450.61	531.76	16635.52	748.60
2ndyear maint. of Aonla plantation (Perennial)	ha.					678	45.77
1st year maint. of Aonla plantation (Perennial)	ha	678	258.66	17.29	6.60	78	3.51
2nd year maint. of Litchi plantation (Perennial)	ha					123	8.30
1st year maint. of Litchi plantation (Perennial)	ha.	123	32.15	3.87	1.01	260.1	11.70
2nd year maint. of Citrus plantation (Perennial)	ha					348	23.49
1st year maint. of Citrus plantation (Perennial)	ha.	348	346.72	13.44	13.39	429.2	19.31

Component	Unit	2008-09				2009-10	
		Physical		Financial		Physical	Financial
		Prog.	Achiev.	Prog.	Achiev.	Prog.	Prog.
Banana Sucker	ha.	1000	1325.77	75.00	103.45	800	84.00
Banana Tissue Culture	ha.	50	12.87	3.75	0.96	200	30.00
2nd yr maint. of Banana plantation (Non-perennial)	ha.	1700	735.472	76.50	33.10	1561	70.25
1st yr maint. of Banana plantation (Non-perennial)	ha.	1561	1364.04	46.83	40.92	134	6.03
3. Flowers							
a. Cut Flowers							
Small & Marginal Farmers							
Rose	ha.	500	574.25	175.00	200.99	400	140.00
Other farmer							
Rose	ha.	500	543.66	115.50	125.59	300	69.30
b. Bulbous Flower							
Small & Marginal Farmers							
Tuberose	ha.	250	313.45	112.50	141.05	50	22.50
Gladioli	ha.	600	602.94	270.00	271.32	500	225.00
Other farmer							
Tuberose	ha.	250	288.3	74.25	85.63	50	14.85
Gladioli	ha.	600	600.47	178.20	178.34	300	89.10
c. Loose Flower							
Small & Marginal Farmers							
Chrysanthemum/ Aster/ Golden rod/ Gypsy/ Heliconia/ Gomphrena/ Asparagus etc.	ha					50	6.00
Marigold (Other Farmer)	ha.	1500	1420.86	118.80	112.53	400	31.68
4. Spices, Medicinal & Aromatic Plants							
Ginger	ha.	600	305.07	67.50	34.32	500	56.25
Turmeric	ha.	800	1036.08	90.00	116.56	800	90.00
5. Plantation crops including coastal horticulture							
Cashew	ha.	6000	7031.71	337.50	395.53	3000	168.75
2nd year maint. of Cashew plantation	ha.	5228	3053.285	176.45	103.05	5700	192.38
1st year maint. of Cashew plantation	ha.	5700	6805.35	128.25	153.12	5672.25	127.63
6. Protected Cultivation							
i. Green House - 52sqm							
Small & Marginal Farmer	Nos.	400	0.19 ha	67.60	6.16		

Component	Unit	2008-09				2009-10	
		Physical		Financial		Physical	Financial
		Prog.	Achiev.	Prog.	Achiev.	Prog.	Prog.
Other farmer	Nos.	300		33.54		1	21.50
ii. Mulching	Nos.	1000	262.49	70.00	18.37	100	7.00
iii. Shade net House - 500sqm	Nos.	800	13.07 ha	28.00	9.15	10	7.00
7. Promotion of INM/IPM							
i. Promotion of IPM on Mango/ Cashew/ Banana	ha.	250	230.75	2.50	2.31	100	1.00
ii. Promotion of INM on Mango/ Cashew/ Banana	ha.	250		2.50		100	1.00
8. Organic Farming							
i. Adoption of Organic Farming							
Ginger / Turmeric	ha.	100		10.00		50	5.00
ii. Vermi Compost Units (Big)	Nos.	100	208	30.00	62.40	100	30.00
iii. Vermi Compost Units (Small)			Nos.	800	1170	60.00	87.75
400	30.00						
iv. Certification	ha.	100		10.00		50	5.00
9. HRD including Hort. Institute							
Training of farmers inside the State on IPM / INM / Plantation / PHM	Nos.	5000	6759	75.00	101.39	1000	15.00
Training of farmers outside the State	Nos.	1000	1310	25.00	32.75	600	15.00
Trainers Training	LS			10.00	0.8		5.00
Plantation Training	Grp.		16		0.8		
IPM/INM Training	Grp.		2		0.3		
Training of Gardeners	Grp.	2	1	27.05	13.525	4	54.10
Training of Entrepreneur	Grp.	4		18.12		4	18.12
Sub-Total				5391.70	5770.98		4875.96
B. Post Harvest Infrastructure and Management							
1. Pack House	Nos.	40		25.00		5	3.13
2. Cold Storage Units	Nos.	10		566.64		2	10.00
3. (i)Refrigerated Van./ Containers	Nos.	4		28.00		1	6.00

Component	Unit	2008-09				2009-10	
		Physical		Financial		Physical	Financial
		Prog.	Achiev.	Prog.	Achiev.	Prog.	Prog.
(ii) Refrigerated Van./ Containers-Hilly & tribal area	Nos.					1	8.00
4. Mobile Processing Unit	Nos.	4		26.00			
5. Estt. of marketing infrastructure for horticultural produce in govt. / Private/ Co-operative Sector							
i. Estt. of Whole sale / Terminal Market	nos.	2		2500.00		1	1.00
ii. Estt. of whole sale market for floricultural crop	LS	2		300.00			
iii. Quality awareness, market led extension activities for fresh & processed products	LS			25.00	7.67		
iv. Esst. of Cashew Processing Unit						1	5.00
v. Upgradation of Rural Market						6	22.50
6. Innovative programme Onion Storage Structure	nos.	1000	649.5	20.00	51.96		
Sub-Total				3490.64	59.63		55.62
C. Mission Management							
1. State & District Mission Structure including additional manpower & project preparation cost	LS			400.67	26.32		249.22
2. Institutional strengthening, hire/ purchase of vehicles, hardware / software	LS			50.00	9.05		24.00
3. Technical support group (TSG) Institutional Strengthen	LS			150.00	8.59		41.00
4. Awareness Programme				60.00	36.14		0.00
Sub-Total				660.67	80.10		314.22
Grand Total				9543.0	5910.71		5245.80

Annexure-XI

Physical and Financial Achievement during 2008-09 and programme for 2009-10 under Non-NHM
Rs. in lakhs

Sl. No.	Component	Unit	2008-09				2009-10	
			Physical Prog.	Achiev.	Financial Prog.	Achiev.	Physical Prog.	Financial Prog.
1	Fruit Development							
	Compact Area Plantation							
	Mango	ha.	200	200	15.75	15.75	200	22.50
	Citrus (K.Lime / Orange)	ha.	50	50	4.83	4.829	25	2.81
	Banana Sucker	ha.	100	100	7.50	7.50	50	5.25
	Cashew	ha.	50	50	2.81	2.8125	100	5.63
	Total		400	400	30.89	30.89	375.00	36.19
2	Medicinal Plants							
	Aonla cultivation	ha.	30	30	1.91	1.91		
	Total		30	30	1.91	1.91		
3	2nd year maint.of fruit plantation (plantation of 2008-09)							
	Mango	ha.	200				200	9.00
	K.lime	ha.	50				50	2.25
	Cashew	ha.	50				50	1.13
	Banana (Sucker/ tissue culture)	ha.	100				100	7.50
	Aonla	ha.	30				30	1.35
	Total						430.00	21.23
4	1st year maint.of fruit plantation (plantation of 2007-08)							
	Mango	ha.	210	210	6.62	6.62	210	14.18
	K.lime	ha.	35	35	1.35	1.35	35	2.36
	Cashew	ha.	25	25	0.56	0.56	25	0.84
	Banana (Sucker/ tissue culture)	ha.	89	89	2.67	2.67	89	4.01
	Aonla	ha.	20	20	0.51	0.51	20	1.35
	Total		379	379	11.71	11.71	379.00	22.74
5	Floriculture Development							
	Demonstration on Farmers Field							
	Marigold (0.1 ha.)	no	100	100	0.79	0.792	100	0.79
	Gladioli (0.1 ha.)	no.	100	100	4.50	4.5	100	4.50
	Rose (0.1 ha.)	no	60	60	2.10	2.1	50	1.75
	Total		260	260	7.39	7.39	250.00	7.04
6	Human Resource Development							
	Exposure Visit to Out side the State	nos.	40	40	1.00	1.00	40	1.00
	Organisation of District level show	nos.	6	6	3.00	3.00	6	3.00
	Plantation Training to farmers (50 nos. per group)	Grp	14	14	0.70	0.70	14	0.70
	Total				4.70	4.70		4.70
7	Organic Farming							
	Construction of Vermi Compost	nos.	300	300	22.50	22.50	70	5.25
	Total		300	300	22.5	22.5	70	5.25
8	Mobility & Extension support				0.90	0.90		2.86
	G. TOTAL				80.00	80.00		100.00