



## **ANNUAL PLAN 2009- 2010**

# **DEPARTMENT OF AGRICULTURE**

### **INTRODUCTION**

Agriculture is major occupation of about 70% of the population. There is a existence of 72% small and marginal farmers. Only 0.69% operational holdings are above 10 hectares covering about 9% of area.

The major crops of the states are paddy (16.84 lakh ha), maize-2.05 lakh ha, pulse-3.67 lakh ha, oilseeds-1.24 lakh ha), wheat-0.914 lakh ha.

Jharkhand has an average rainfall of 1000-1200 mm against the national average of 1000 mm. The rainfall is generally uniform with some variations. The state has been categorized under agro climatic zone VII known as eastern & plateau and Hill Region and is further sub-divided into three sub-zone viz. central & North Eastern Plateau, Western plateau and South Eastern Plateau.

The agriculture sector however, is the main stay of the economy. The growth in this sector has strong bearing on the growths of the other sectors and consequently of GSDP. This emphasize the fact that the planned strategies for the socio-economic development of the state should be such as to facilitate the faster growth and development of agriculture, horticulture and other allied sub sectors. Keeping this in view, various programmes are being implemented.

### **Achievements during the 11th Plan**

- 1.24 lakh qtls. of certified/Hybrid seed were distributed under seed exchange in kharif season
- 35818 qtls. of certified/Hybrid seed were distributed in Rabi season
- 41951 quintal/lit. of inputs like micro nutrients, vermi compost, organic manures, Neemkit Nashi were distributed
- 668 workshops and Krishi mela were organized
- 283 demonstration and 315 trainings were conducted
- 927 SC farmers were trained



- 2460 papaya orchard were established
- 26230 ha. perennial fruits orchards have been established
- 294 Birsa Pucca Check Dam have been constructed
- 205 ha. of Floriculture have been established
- 4670 ha. of spices crop have been established
- 10 units of (1000 sq. mt. each) hi-tech green houses have been established
- 7 Vermi compost units have been established
- 14 ATMA & 15 KVKs have been established
- 58062 farmers trained in Agriculture and Allied Activities by NFSM/ ATMA
- 13 Farm Schools have been established

*As a result of sustained efforts seed replacement rate increased from 10% to 15 % in 2008-09. Coverage of major crops increased from 22.11 lakh ha. to 24.25 lakh ha.*

## **2. EARMARKED SCHEME**

### **RKVY**

#### **2.1 Improved Micro Irrigation Developments**

450 micro lift irrigation system to facilitate judicious use of water for plants at different stages.

#### **2.2 Enhancement of Soil Health**

Improvement of soil texture and structure by soil amelioration programme and establishment of Vermi compost unit and development of soil testing laboratories to know the fertility status of the soil.

#### **2.3 Integrated Seed Development**

Establishment/Renovation of seed village and assistance for foundation seed to increase SRR.

#### **2.4 State Govt. Farm Developments**

Renovation of existing S.M.F, technology dissemination and production of seeds to meet the desired SRR.



- 2.5 Integrated Pest Management and Seed Treatment**  
Control of Pest and diseases through IPM technique to get maximum production.
- 2.6 Farmers Capacity Building**  
Awareness given to the framers in Agriculture and allied fields.
- 2.7 Agriculture Mechanization**  
To increase production/productivity by introducing intensive modern/desired Agriculture implements and minimizing cost of production.
- 2.8 Krishi Gyan Udyog Kendra**  
At Jamshedpur, Loharddaga, the technology dissemination as well as providing resources for marketing of value added products.
- 2.9 Demonstration Training and Extension**  
To demonstrate new technology, training extension at village level with help of KVK/ATMA and Birsa Agriculture University etc.
- 2.10 Minor Forest Produce Develop Programme**  
Enhancement of rural economic specially Tribal people in general and Primitive Tribal Group in priority.
- 2.11 Benchmark Survey and Administrative Expenses**  
To know the comparative study and out put of schemes.
- 2.12 Udyan Vikas Yojna**  
To develop and expansion of coverage areas of horticultural crops to ensure the nutritional securities and economic status.
- 2.13 Water harvesting structure**  
To provide 450 no check dams and desiltation structure in order to harvest rain water for maximum utilization and recycle to recharge ground water level.



#### **2.14 Watershed Development**

To implement bench terracing/contours bunding work in 15000ha area to improve wasteland for cultivation purposes.

#### **2.15 Research and Development**

Establishment of Gene(seed) Bank, Animal & Fisheries Research Center, Bio fertilizer development and research and development regarding Gene Bank, Animal and Fisheries, Rainfed farming and Bio Fertilizers under technical support of Birsa Agriculture University.

#### **2.16 Establishment/Renovation of Seed Testing Laboratories**

Establishment/Renovation of 10 seed testing laboratories to control the quality of seeds.

### **3. STATE SHARE TO CSS**

#### **3.1 Macro management Mode (90:10)**

In macro management mode the following schemes to be taken for the development of Agriculture activities, ICDP (Rice), ICDP (Wheat) Pulse, oil seed, maize development, balance use of fertilizer, Agriculture Mechanization, NWDPR, RVP and FPR.

#### **3.2 National Horticulture Mission (85:15)**

National Horticulture Mission for promotion of Horticulture activities with forward and backward linkage.

#### **3.3 National Food Security Mission**

The works sanctioned will be executed in the NFSM 5 district in 100% central assistance.

#### **3.4 Pilot Weather Based Crop Insurance (50:50)**

To compensate the loss of produce due to weather variation or natural weather.

#### **3.5 Micro Irrigation System (80:20)**

To promote micro irrigation system in state to facilitate the irrigation potential.



### **3.6 Soil Health and Fertility Management**

3 new soil testing laboratories at the cost of Rs 60.00 lakh each under 50% subsidy costing Rs 90.00 lakh, One Quality control laboratory under 100% Assistance, 3 Mobile Soil Testing Laboratories at the cost 40 lakh with 30 lakh central assistance at the total cost Rs 120.00 lakh are to be established.

## **4. STATE PLAN SCHEMES**

### **Continuing Schemes**

#### **4.1 Seed Exchange Programme**

In Kharif season new variety of different crops of certified/Hybrid seed to be distributed to cover 162000 ha. area.

#### **4.2 Alternative crops**

In Rabi season new variety of different crop seeds to be distributed among the farmers under subsidy program to replace the farmers seed to certified seed to cover 38000 ha. area.

#### **4.3 Capacity Building of Schedule Caste Farmers**

Capacity building of schedule caste farmers for support to training, demonstration activities.

#### **4.4 Agromate Advisory Services, Training, Demonstration and Extension**

To know the agroclimatic condition of the district and disseminate prior information of climate condition among farmers.

Kissan melas, workshop, Training Demonstration, at state district and block level to be organized for extension of new technology of agriculture activities and other activities like renovation and training at ETC, Hehal, Ranchi, Grant-in-aid to ATMA & SAMETI and prize distribution to progressive farmers.

#### **4.5 Seed Production at Govt. Farms**

#### **4.6 Sugar Cane Development**

Distribution of planting material and demonstration of new varieties among the farmers.



#### **4.7 Mukhyamantri Kissan Khushali Yojna**

It is a area programme. It will be implemented in cluster approach by adopting Integrated farming system. Efforts are being made to income generation by increasing crop intensity/other allied activities. The activities of each farmer under exiting farming system will be strengthened in this programme.

#### **4.8 Tuber Crops Development**

#### **4.9 Impetus to New Technology Adoption**

#### **4.10 Soil Conservation, Research and Training**

In this scheme for development of soil & water conservation following schemes have taken :

- Strengthening of infrastructure of training centre at Nagri (Ranchi), Domotanr (Hazaribagh) and Ramgarh have to be done & training programme will be coducted.
- Development of barren and waste land through soil and water harvesting system to be taken.

#### **4.11 Waste Land Development by soil and Water practices**

#### **4.12 Grant-in-aid to Birsa Agriculture University**

Grant in aid to Gorla Karma farm development, Estb. of Agriculture College in Santhal Pargana (Dumka) & Palamau (Garhwa), Godda, Dairy Technology to BAU.

#### **4.13 Strengthening/Establishment of State Agriculture Laboratory/Quality and Seed certification agency)**

#### **4.14 Establishment of Quality Control Laboratory**

#### **4.15 Establishment of Agriculture Development Council**



#### 4.16 Other General Economic Services

Renovation and standardization of weight and measurement system to control the standard of weight.

#### 4.17 Establishment of Agriculture Technology Park at Dumka, Chatra and Godda

#### 5. EXTERNALLY AIDED PROJECT (EAP)

Assistance given to Birsa Agriculture University for the establishment of various laboratories.

#### 6. TRIBAL SUB PLAN

A sum of **Rs. 12070.00** lakhs has been earmarked for Tribal Sub Plan out of total proposed outlay of **Rs. 20000.00** lakhs during Annual Plan 2009-10.

#### 7. SPECIAL COMPONENT SUB PLAN

A sum of **Rs. 1450.00** lakhs has been earmarked for Special Component Sub Plan out of total proposed outlay of **Rs. 20000.00** lakhs during Annual Plan 2009-10.

#### 8. FLOW TO DISTRICT PLAN

A sum of **Rs. 15277.00** lakhs has been earmarked for District Plan out of total proposed outlay of **Rs. 20000.00** lakhs during Annual Plan 2009-10.

#### 9. OUTLAY PROPOSED FOR VARIOUS SCHEMES

##### Agriculture

Sl. No.	Name of Scheme	Annual Plan 2009-10 (Rs. In Lakh)			
		Proposed Outlay	Flow to TSP	Flow to SCSP	Flow to OSP
<b>A.</b>	<b>Earmarked (RKVY)</b>				
1	Improved Micro Irrigation Developments	726.00	393.00	0.00	333.00
2	Enhancement of Soil Health	1531.00	827.00		704.00
3	Integrated Seed Development	205.00	105.00	45.00	55.00
4	State Govt. Farm Developments	555.00	300.00	0.00	255.00
5	Integrated Pest Management and Seed Treatment	425.00	230.00		195.00
6	Farmers Capacity Building	635.00	300.00	200.00	135.00
7	Agriculture Mechanization	717.00	387.00	143.00	187.00
8	Krishi Gyan Udyog Kendra	170.00	85.00		85.00
9	Demonstration Training and Extension	55.00	30.00	0.00	25.00
10	Minor Forest Produce Develop Programme	500.00	270.00	100.00	130.00



11	Benchmark Survey and Administrative Expenses	180.00	97.00		83.00
12	Udyan Vikas Yojna	662.00	358.00	132.00	172.00
13	Water harvesting structure	1094.00	593.00		501.00
14	Watershed Development	1800.00	975.00		825.00
15	a) Establishment of Gene (Seed) Bank under BAU	100.00	100.00		0.00
	b) Establishment of Livestock & fishery Institute Gene (Seed) under BAU	200.00	200.00		0.00
	c) Establishment of Rainfed Agriculture Dev. And Research Institute in Palamu under BAU	200.00	200.00		0.00
	c) Establishment of Bio-fertilizer Dev. And Research Institute in Palamu under BAU	200.00	200.00		0.00
16	Establishment/Strengthening of Seed testing laboratory	150.00	80.00		70.00
	<b>B. State Share (CSS/CS)</b>				0.00
1	Micro Watershed under Macro Management (90 : 10)	200.00	110.00		90.00
2	National Horticulture Mission ( 85 : 15)	900.00	486.00		414.00
3	National Food Security Mission	0.00	0.00		0.00
4	Pilot Weather Based Crop Insurance (50:50)	300.00	162.00		138.00
5	Micro Irrigation System (80:20)	25.00	15.00		10.00
6	Soil Health and Fertility Management	120.00			120.00
	<b>C. State Plan Schemes</b>				
	<b>Continuing Scheme</b>				
1	Seed Exchange Distribution of Seed	1320.00	720.00	260.00	340.00
2	Alternative Crops Scheme	600.00	325.00	120.00	155.00

3	Skill Development of Schedule Caste farmers	50.00		50.00	0.00
4	Training, Demonstration and Extension and Agro mate Advisory Services	500.00	455.00		45.00
5	Seed Production at Government farms	100.00	50.00		50.00
6	Suger cane development	60.00	40.00		20.00
7	Chief Minister Kissan Khushali Yojna	1682.00	814.00	307.00	561.00
8	Tuber crops development	60.00	40.00	5.00	15.00
9	Impetus to New Technology adoption	40.00	20.00	8.00	12.00
10	Soil Conservation Research & Training	613.00	195.00		418.00
11	Waste land dev. by soil and water practices	405.00	218.00	80.00	107.00
12	<b>Grant -in- Aid to Birsa Agriculture University</b>				0.00
	a. Grant -in- Aid	1800.00	1800.00		0.00
	b. Gorla Karma Farm Development	100.00	100.00		0.00
	c. Establishment of Agriculture College in Santhal Pragana (DUMKA) and Palamu (Garhwa)	100.00	100.00		0.00
	d. Establishment of Agriculture College in Santhal Pragana Division under BAU at Godda	100.00	100.00		0.00
	e. Grant in Aid for Establishment of Dairy Technology College To BAU	50.00	50.00		0.00
13	Strengthening/Establishment of State Agriculture Laboratory(Quality and seed certification agency)	10.00	10.00	0.00	0.00
14	Establishment of Quality Control Laboratory	250.00	120.00		130.00



15	Estb. of Agriculture Development Council	10.00	10.00		0.00
16	Standardization of Weight's & Measures	50.00	50.00		0.00
17	Establishment of Agriculture Technology Park at Dumka	100.00	100.00		0.00
18	Establishment of Agriculture Technology Park in Chatra Distt.	100.00			100.00
19	Establishment of Agriculture Technology Park at Godda	50.00	50.00		0.00
<b>D</b>	<b>Externally Aided Project</b>				
20	Modernization of BAU	200.00	200.00		0.00
<b>Grand Total</b>		<b>2000.00</b>	<b>12070.00</b>	<b>1450.00</b>	<b>6480.00</b>

## 9. SUMMARY

Sl. No.	Type of Scheme	Annual Plan 2009-10 (Rs. In Lakh)			
		Proposed Outlay	Flow to TSP	Flow to SCSP	Flow to OSP
A.	Earmarked	10105.00	5730.00	620.00	3755.00
B.	State Share (CSS/CS)	1545.00	773.00	0.00	772.00
C.	State Plan Schemes				
	i. Continuing Schemes	8150.00	5367.00	830.00	1953.00
	ii. New Schemes				
D.	EAP ( if any)	200.00	200.00	0.00	0.00
E.	Other				
<b>Grand Total</b>		<b>20000.00</b>	<b>12070.00</b>	<b>1450.00</b>	<b>6480.00</b>