

ANNUAL ADMINISTRATIVE REPORT

2011-2012



DEPARTMENT OF AGRICULTURE : MANIPUR
GOVERNMENT OF MANIPUR

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CHAPTER - I

ANNUAL ADMINISTRATIVE REPORT, 2011-2012

The Department of Agriculture, Manipur was established in the year 1946 with Head Quarter at Imphal (Bapupara). At the inception, the staff strength was quite small rather it was a skeleton staff. Gradually, the department developed in stature and at present, it is one of the Major Departments in the state.

ORGANISATION

The erstwhile Department of Agriculture was bifurcated into two Departments viz (1) Department of Agriculture and (2) Department of Horticulture & Soil Conservation in the year 1970. Again, a new Department viz Command Area Development Authority (CADA) was established 1982-83 under the fold of Agriculture Department. At the beginning of Ninth Plan Period (1997) the joint cadre of the Department of Agriculture, Horticulture & Soil Conservation and CADA had been trifurcated into three important cadres viz Agriculture, Horticulture & Soil Conservation and CADA.

STAFF STRENGTH

The following employees manned the department, at present

Category of post	Sanctioned post	Existing post
1. Class – I	86	59
2. Class – II	2	2
3. Class – III	935	858
4. Class – IV	182	170
Total	1205	1089

CHAPTER - II

ANNUAL ADMINISTRATIVE REPORT, 2011-2012

During the Annual Plan 2011-2012, 42 schemes have been implemented with an outlay of Rs. 5413.00 lakh, which includes Rs. 5384.00 lakh under Crop Husbandry, Rs. 4.00 lakh under the Storage and Warehousing, Rs. 20.00 lakh under Agriculture Research and Education, Rs. 5.00 lakh under Agriculture Marketing.

The non-plan provision during 2011-2012 was 2880.41 lakh.

SCHEME IMPLEMENTATION DURING 2011-2012

A. Sector wise number of Schemes implemented during 2011-2012.

Sl. No.	SECTOR	State Plan Scheme	C.S.S.	C.S.	Total
1.	Crop Husbandry	36	4	1	41
2.	Agri. Research & Education	4	2	-	6
3.	Agri. Marketing	1	0	-	1
4.	Cold Storage & Warehousing	1	-	-	1
	Total	42	6	1	49

B. Centrally Sponsored Schemes :

Sl. No.	Name of the Scheme	Funding pattern (Centre : State)
1.	Double Cropping in Manipur	90:10
2.	All India Co-ordinated Wheat Improvement Programme (AICWIP)	75:25
3.	All India Co-ordinated Rice Improvement Programme (AICRIP)	50:50

C. Centrally Sector Schemes 100% Central Funding :

1. Macro Management Mode of Agriculture.
2. Agricultural Census Survey and statistics.
3. AGMARKNET Project.
4. ~~ATMA~~

D. Flagship Programme :

1. RKVY

The sector-wise Financial Achievement under State Plan, Central Sponsored Scheme and Central Sector Schemes has shown in the following tables.

FINANCIAL STATEMENT FOR THE YEAR, 2011-2012

A. NON-PLAN

(Rs. in lakh)

Sl. No.	SECTOR	Revised Budget 2011-12	Anticipated Expenditure as on 31/03/2012	Excess/ Saving
1	2	3	4	5
1.	2401-Crop Husbandry (NP)	2664.46	2664.46	-
2.	2408-Food Storage & Ware Housing	15.85	15.85	-
3.	2415-Agricultural Research & Education	144.93	144.93	-
4.	3475-Other General Economic services (Marketing Intelligence)	55.17	55.17	-
	Total	2880.41	2880.41	-

B. STATE PLAN

(Rs. in

lakh)

Sl. No.	SECTOR	Revised Budget 2011-12	Anticipated Expenditure as on 31/03/2012	Excess/ Saving
1	2	3	4	5
1.	2401 -Crop Husbandary	5384.00	5384.00	
2.	2408-Food Storage & Ware Housing	4.00	4.00	
3.	2415-Agricultural Research & Edn.	20.00	20.00	
4.	2435-Other Agricultural Programme Agri. Marketing	5.00	5.00	
	Total	5413.00	5413.00	

C. CENTRALLY SPONSORED/CENTRAL SECTOR SCHEME

(Rs. in lakh)

Sl. No.	SECTOR	Revised Budget 2011-12	Anticipated Expenditure as on 31/03/2012	Excess/ Saving
1	2	3	4	5
1.	2401 -Crop Husbandary	2489.78	2489.78	-
2.	2415-Agricultural Research & Education	6.31	6.31	-
3.	3454 – Census Survey and Statistics	7.80	7.80	-
	Total	2503.89	2503.89	-

D. STATEMENT SHOWING FINANCIAL OUTLAYS :

(Rs. in lakh)

Sl. No.	Sector	Revised Budget 2011-12	Anticipated Expenditure as on 31/03/2012	Excess/ Saving
1	2	3	4	5
1.	Non – Plan	2880.41	2880.41	-
2.	Plan	5413.00	5413.00	-
3.	CSS	2503.89	2503.89	-
	Total	11676.30	11676.30	-

CHAPTER – III

Review of Crop Production 2011-12

The total area under paddy was 2, 22,670 ha. with the production of 5,91,000 MT of clean rice including Pre-Kharif and Kharif 2011-2012. The productivity of HYV paddy was 3450 kg/ha against the productivity of National Average of 2203 kg/ha. (2007-08).

Altogether, areas of 24,850 ha under Maize were brought during 2011-2012. An area of 4850 ha. has been targeted to be brought under Rabi-Maize. The total production of maize was 46.00 MT with the productivity of 1.85 MT/ha against the National average of 19.59 MT/ha. (2010-2011).

The total area under pulses was 28,500 ha with a production of 26,850 MT with the productivity of 940 kg/ha against the National average of 537 kg/ha (2010-2011). The total area under oilseeds is 35,900 ha with a production of 28,400 MT The productivity of oilseed is 790 kg/ha. against the National average of 1188 kg/ha (2010-2011).

The area and production of potato is 14,400 ha and 1,22,000 MT respectively for the year 2011-12. The net and the gross area of different crops during 2011-2012 has been estimated as 2,34,000 ha and 3,35,220 ha respectively with a Cropping Intensity (CI) of 143.26%.

AREA PRODUCTION & YIELD FOR THE YEAR 2011-2012

A = Area in 000 ha, P=Production in 000 MT, Y = Yield in MT/ha

Sl. No.	Crops	A	P	Y
1.	Pre-Kharif Paddy	28.67	87.96	3.07
2.	H.Y.V.	106.18	365.80	3.45
3.	Jhum Paddy	78.82	71.93	0.91
4.	Terrace	10.00	16.70	1.67
	Total main Paddy	195.00	503.04	2.58
5.	Kharif Maize	20.00	35.50	1.78
6.	Rabi Maize	4.85	10.50	2.16
	Total Maize	24.85	46.00	1.85

Sl.No.	Crops	A	P	Y
7.	Wheat	2.15	5.37	2.50
8.	Kharif Pulses	4.85	5.20	1.07
9.	Rabi Pulses	23.65	21.65	0.92
	Total Pulses	28.50	26.85	0.94
10.	Kharif Oilseed	8.40	7.36	0.88
11.	Rabi Oilseed	27.50	21.04	0.77
	Total Oilseed	35.90	28.40	0.79
12.	Sugarcane	5.75	333.00	57.91
13.	Potato	14.40	122.00	8.47

Flagship Programme : Rastriya Krishi Vikas Yojana (RKVY), a flagship scheme of the Ministry of Agriculture, Govt. of India has been started implementation in the State since 2009-2010 with a target to achieve more than 4% growth in the agriculture sector in the country. Under the scheme, the following components were distributed to the farmers at free of cost during the year 2011-2012.

➤	Crop Demonstration on ICM & SRI	:	6640 acres
➤	Rabi maize Demonstration	:	2000 acres
➤	Soil Amendment (Liming)	:	1050.01 MT
➤	Cono Weeder	:	6300 Nos.
➤	Farm Ponds	:	262 Nos.
➤	Bio fertilizers		
	i) Azospirillum	:	50,450 ml
	ii) Phosphobacteria	:	50,450 ml
	iii) Potash bacteria	:	50,450 ml
➤	HYV Seeds		
	i) Paddy (IR-64)	:	117.41 MT
	ii) Blackgram (T-9)	:	45 MT
	iii) Soybean (JS-335)	:	142 MT
	iv) Pea (Aparna/rachana)	:	120 MT
	v) Mustard (Pusa Bold)	:	180 MT

Under RKVY Crop Demonstration Programme; Mustard on Zero Tillage :

- Seed rate : 16 kg/ha
- Sowing time : Oct. 20 – Nov. 15
- Burning of straw : Just after harvesting of paddy within 2-3 Days
- Fertilizer : Urea – 50 Kg/ha, DAP – 65 kg/ha, MOP – 50 kg/ha
- Irrigation : Rained
- Var : M-27/Pusa Bold
- Harvesting : 1st – 2nd Week of February
- Yield : 1400 kg/ha

Risk Management : The National Agricultural Insurance Scheme (NAIS) commonly known as Crop Insurance has been implemented to all District of Manipur with notified crops on Paddy and Rape Seeds & Mustard.

Phyto-Sanitary Certification Unit : The Phyto Sanitary Certification (PSC) Unit of the Department located at Moreh, issued 115 nos. of Phyto-Sanitary Certificate (PSC) as per guidelines of the Government of India.

Plant Health Clinic (PHC) : Establishment of 3 (three) new Plant Health Clinic (PHC) at different District Head Quarters of the State had been earmarked and will be functional by the end of 31.03.2012. So far 6 (six) Plant Health Clinic has been established. 926 cases of insect pest and diseases faced by the farmers of the different crops from different location were identified and recommended remedial measures during 2011-2012.

Farm Mechanization : The following Farm Machineries and Plant Protection Equipments were made available to the beneficiary farmers during the year 2010-2011 :

1.	Thresher	50 nos.
2.	Tractor	100 nos.
3.	Reaper	200 nos.
4.	Power Tiller	200 nos.
5.	Pump Sets	375 nos.
6.	Sprayer	5000 nos.
7.	Power Sprayer	100 nos.
8.	Cono Weeder	5000 nos.
9.	Others implement	500 nos.

Crop Demonstration Programme : System of Rice Intensification (SRI) – a new rice production technology has been introduced in the State during the year 2007-08 and widely popularized with a highest yield of 13,400 kg/ha during 2011-2012. It is the best practices adopted in the state.

Integrated Nutrient Management (INM) and Integrated Pests Management (IPM) : Manipur has the highest consumption of fertilizers among the N.E. States i.e. 110 Kg/ha. The department is promoting Integrated Nutrient Management (INM) envisaging soil test based judicious and balance use of chemical fertilizers, bio-pesticides and organic manure. Under this programme Farmers Field Schools (FFS) were also organized.

Popularization of Coarse Cereals : A new rabi maize a short duration HQPM varieties intercropped with potato was introduced and popularized in the State.

Graduate and Post Graduate Education Programme : The Department sponsored the following candidates for undergoing training in different courses under Central Agriculture University, Iroisemba, Imphal.

B.Sc. (Agri)	- 16 nos.
B.Tech (Ag. Engg)	- 8 nos.
B.Sc. (H. Sc.)	- 6 nos.
B.Tech (in Process and Food Engg.)	- 4 nos.

Gram Sevak Training Centre : 20 candidates for two year Integrated Training Course on Agriculture at GSTC, Lamphelpat during the year 2011-2012.

**STATUS OF ANALYSIS OF PESTICIDE SAMPLES IN THE STATE
PESTICIDE TESTING LABORATORY
(As on 31-12-2010)**

The State Pesticide Testing Laboratory, Department of Agriculture, Manipur started functioning in the year 1995-96 with an analysis target of 30 pesticide samples per annum with minimum of laboratory equipment and machineries. However, analysis of samples was slowed down from 2007-08 owing to non provision of state fund for purchase of reagents, etc. on the grounds that the existing location of the laboratory falls under the jurisdiction of the "State Capitol Project". As on date the laboratory has so far analysed 132 pesticide samples.

**STATUS OF NABL ACCREDITATION OF STATE PESTICIDE
TESTING LABORATORY (SPTL) DEPARTMENT OF
AGRICULTURE,
MANIPUR**

Proposal for NABL Accreditation had already been submitted to the Ministry of Agriculture, Government of India vide Directorate letter No. 12/PP-Lab/81/Vol-VI dated 07-07-2010.

PESTICIDES SALE POINTS AS ON 01-01-2011

Distribution Points (Nos.)				
Department of Agriculture, Manipur	Agri. Cooperatives	Other Institutions	Private Trade	Total
-	-	-	220	220

AREA UNDER APPLICATION OF CHEMICALS AND BIO-PESTICIDES

(Area in '000 hectares)

Area under application of chemical pesticides	Area under application of Bio- pesticides	Total area under application of chemical pesticides and Bio-pesticides
91.40	4.75	96.15

**STATE PESTICIDE TESTING LABORATORY (SPTL), DEPARTMENT
OF AGRICULTURE, MANIPUR**

Number of Laboratories	Location	Target/capacity per annum
1	Mantripukhri, Imphal	30 samples

**DEMAND VIS-A-VIS CONSUMPTION OF PESTICIDES DURING
2011-2012**

Figures in MT (Technical Grade)

<i>Particulars</i>	<i>2011-2012</i>				<i>Total</i>	
	<i>Kharif</i>		<i>Rabi</i>			
<i>Insecticides</i>	<i>Demand</i>	<i>Consumption</i>	<i>Demand</i>	<i>Consumption</i>	<i>Demand</i>	<i>Consumption</i>
Acephate	1.75	1.75	0.10	0.10	1.85	1.85
Carbofuran	5.00	4.55	-	-	5.00	4.55
Chloropyrifos	3.25	2.90	1.00	1.00	4.25	3.90
Dichlorovos	1.00	1.00	0.50	0.50	1.50	1.50
Dicofol	1.75	1.65	0.45	0.35	2.20	2.00
Triazophos	2.00	1.85	0.50	0.40	2.50	2.25
Monocrotophos	1.75	1.75	1.45	1.35	3.20	3.10
Quinalphos	2.00	2.00	1.50	1.50	3.50	3.50
<i>Fungicides</i>						
Carbendazim	1.85	1.75	0.95	0.90	2.80	2.65
Captan	1.40	1.40	0.70	0.65	2.10	2.05
Copper Oxychloride	0.90	0.90	0.50	0.45	1.40	1.35
Mancozeb	1.15	1.10	0.50	0.50	1.65	1.60
Thiophenate Methyl	0.40	0.40	-	-	0.40	0.40
Streptocycline	0.10	0.10	-	-	0.10	0.10
Zinab	0.20	0.20	0.10	0.10	0.30	0.30
<i>Weedicides</i>						
Butachlor	0.50	0.50	-	-	0.50	0.50
Glyphosat	0.60	0.55	-	-	0.60	0.55
2,4-D (E/E)	1.30	1.29	-	-	1.30	1.29
<i>Rodenticide</i>						
Bromadiolone	0.05	0.04			0.05	0.04
<i>Plant Growth Regulators</i>						
Alphanaphthil acetic acid	0.15	0.14	0.05	0.05	0.20	0.19
Neem based Insecticide	0.50	0.45	0.15	0.15	0.65	0.60
Total	27.60	26.27	8.45	8.00	36.55	34.27

CHAPTER - IV

INPUTS

Seeds :

During the year 2011-12 the following quantity of seed of different Crops were made available to the farmers at free of cost.

Paddy (Hybrid)	-	21.8 MT
Maize	-	9.75 MT
Soybean	-	10 MT
Urd	-	6 MT
Pea	-	50 MT
Mustard	-	20 MT

Truthfully leveled Paddy Seed produced of about 50.00 MT from the Departmental Farms were also made available to the farmers.

Fertilizer :

Timely availability of chemical fertilizers (both controlled and decontrolled) with adequate have been taken care of through Dealers of fertilizers viz., Retail Dealers and Wholesale Dealers, During the month of April, 2011 to March, 2012 the following quantities of chemicals fertilizer were made available to the doorsteps of the farmers in the state.

Sl. No.	Month	Urea	DAP	MOP	SSP	TSP
1.	April	1200	200	36	100	-
2.	May	1800	250	54	120	-
3.	June	2250	200	72	180	-
4.	July	3100	300	150	100	-
5.	August	1800	250	100	150	-
6.	September	800	200	50	50	-
7.	October	80	36	36	18	-
8.	November	85	36	50	18	-
9.	December	950	54	72	54	-
10.	January	1150	150	18	120	18
11.	February	*2050	*250	*36	*100	*20
12.	March	*2500	*300	*54	*150	*20
	Total	17765	2226	1160	728	58

* anticipated consumption.

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5.	August	1800	250	100	150	-
6.	September	800	200	50	50	-
7.	October	80	36	36	18	-
8.	November	85	36	50	18	-
9.	December	950	54	72	54	-
10.	January	1150	150	18	120	18
11.	February	*2050	*250	*36	*100	*20
12.	March	*2500	*300	*54	*150	*20
	Total	17765	2226	1160	728	58

* anticipated consumption.

CHAPTER –V

AGRICULTURAL PRODUCTION SUPPORT SERVICES

SEED PRODUCTION PROGRAMME

i) SEED CERTIFICATION

The Seed Certification Committee worked with a view to avail quality seeds to the farmers. 300 MT of mustard seeds, 70 MT of HYV paddy were procured from the farmers fields for quality seed distribution and distributed under this programme under 2011-2012. The department procured 15 qt. Soybean (var JS-335), 10qt Blackgram (var-T-9) from NSC as foundation seeds and distributed to the progressive farmers of Manipur. The Department converted the foundation seeds of 100 qt. Blackgram, 200 qt. Soybean as certified seeds and distributed to the farmers during 2011-12.

(ii) Agriculture Extension :

The Department of Agriculture has a well-organized publication wing (Information Unit) to provide extension supports to extension workers and farmers with the latest development in agriculture technology through different audio- visual aids, extension literatures journal, Film/ Video shows and Organisation of Exhibition and other Programme.

- As a part of revamping of the existing extension support system, Agriculture Technology Management Agency (ATMA) model of technology dissemination covers all the districts of the State.
- The Department provides information on latest agriculture technologies to the farming communities through All India Radio and Doordarshan Kendra Imphal. It is the first major effort of its kind wherein the Government of India is providing financial resources to All India Radio and DDK – Imphal under the scheme "Mass media support to Agricultural Extension".
- 132 nos. of Farmers have visited agriculturally advanced state under "Programme for Exchange of Agricultural Technologies" and "Exposure visit". 30 nos. of Extension Functionaries had an exposure visit under this programme.

Crop Competition: The department has conducted Crop-Cutting Experiments on Rice in all the districts for Crop Competition as a part to aware competitiveness among the farmers. The prize of the State Level was re-structured as: 1st prize – One Power Tiller, 2nd Prize – One Reaper and 3rd Prize – One water Pump sets

Agriculture Marketing: A state wide information network is being establish through electronic connectivity to AGMARKNET Portal for 5 (five) markets of the State in 27 commodities are being reported daily on the website under Market Research and Market Information Project.

The daily updated market price of Agricultural Commodities has been displayed through a LED display board for awareness of the farmers at Directorate of Agriculture, Manipur.

Agriculture Research: The Rice Research Station, Wangbal - the only one of its kind for the State have been evolved and released 14 (fourteen) varieties till date. The Department constituted a “Research Advisory Committee” with the following objective.

- To conduct R&D for increasing agriculture production, enhancing food grain quantity and quality and modification of agro technologies to suit the particular conditions.
- To conduct R&D for developing hybrid varieties of different crops having more disease resistance, cold tolerance, drought tolerance and suitability of high altitude areas.
- To find out various possibilities through R&D for diversifying the utilization of agricultural crops and its allied products for value addition of this crop.
- To find out suitable indigenous and endangered crop varieties for technology upgradation.
- To undertake and implement various projects in rural areas for the upliftment of rural masses and to assist, suggest and provide ways and means for economic development and general outlook.

CHAPTER VI

Retd./Expired/V. Retd./in the Department during the period from
15.06.2011 to 29.02.2012

Sl No.	Name of the Officer/ Officials	Designation	Retd./Exp./ V. Retd.	Date
1.	Md. Rahamat Khan	VEW	Expired	13-03-2011
2.	S. Sadananda Singh	F.A.	Do	15-04-2011
3.	M. Amutombi Singh	E.O. (Agri)	V. Retd.	31-05-2011
4.	Kh. Birsen Singh	VEW	Expired	14-06-2011
5.	Th. Shamungou Singh	VEW	Do	09-08-2011
6.	G. Bhupen Sharma	F.A.	Do	29-09-2011
7.	P. Biren Singh	UDC	V. Retd.	30-09-2011
8.	N. Joykumar Singh	VEW	Expired	21-10-2011
9.	A. Nimai Sharma	Jeep Driver	Expired	19-10-2011
10.	M. Narahari Singh	VEW	Expired	31-10-2011
11.	S. Kulla Singh	Dafty	Retd.	31-12-2011
12.	T. Thangkhokap	T. Driver	Retd.	31-01-2012
13.	K. Tomba Singh	F.A.	Retd.	31-01-2012
14.	Md. Abdul Sattar	F.A.	Retd.	29-02-2012
15.	Th. Chandrashakhi Devi	LDA	Retd.	29-02-2012
16.	A. Sharlibuson Sul	AAO	Retd.	29-02-2012
17.	W. Lokhon Singh	Jeep Driver	Retd.	29-02-2012
18.	Rintluangoi	UDC	Retd.	29-02-2012
19.	A.P. Davis	UDC	Retd.	29-02-2012
20.	J.S. Nganingkhui	VEW	Retd.	29-02-2012
21.	M. Ningam	VEW	Retd.	29-02-2012
22.	L. Bijoy Singh	VEW	Retd.	29-02-2012
23.	R.K. Gojendra Singh	UDC	Retd.	29-02-2012
24.	Md. Shamsuddin	(MI)	Retd.	29-02-2012
25.	Kh. Irabot Singh	AAO	Retd.	29-02-2012
26.	Kh. Memma Devi	LDC	Retd.	29-02-2012
27.	K. Mani Singh	AAO	Retd.	29-02-2012

Sl No.	Name of the Officer/ Officials	Designation	Retd./Exp./ V. Retd.	Date
Gazetted Officer				
1.	R.K. Noni Devi	DAO,	Retd.	31-01-2012
2.	N. Achouba Singh	DTO(FTC)	Retd.	29-02-2012
3.	B. Sharat Kumar Sharma	SDAO, CCM	Retd.	29-02-2012
4.	Th. Kamini Kumar Singh	Asstt. Agro (AICW & BIP)	Retd.	29-02-2012

Sl No.	Name of the Officer/ Officials	Designation	Promotion	Date
1.	H. Jadumani Sharma, AAO	AO/equivalent	Promotion	06-12-2011
2.	Th. Joykumar Singh, E.O (Agri)	-do-	-do-	-do-
3.	A. Kamal Singh, E.O. (Agri)	-do-	-do-	-do-