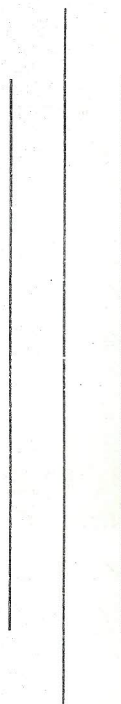


ANNUAL ADMINISTRATIVE REPORT

2012-2013



DEPARTMENT OF AGRICULTURE : MANIPUR
GOVERNMENT OF MANIPUR

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CHAPTER - I

ANNUAL ADMINISTRATIVE REPORT, 2012-2013

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	51
2. Class – II	2	2
3. Class – III	935	842
4. Class – IV	182	165
Total	1205	1060

CHAPTER - II

ANNUAL ADMINISTRATIVE REPORT, 2012-2013

During the Annual Plan 2012-2013, 33 schemes have been implemented with an outlay of Rs. 786.00 lakh, which includes Rs. 759.00 lakh under Crop Husbandary, Rs. 4.00 lakh under the Storage and Warehousing, Rs. 15.00 lakh under Agriculture Research and Education, Rs. 8.00 lakh under Agriculture Marketing.

The non-plan provision during 2012-2013 was 3632.00 lakh.

SCHEME IMPLEMENTATION DURING 2012-2013

A. Sector wise number of Schemes implemented during 2012-2013.

Sl. No.	SECTOR	State Plan Scheme	C.S.S.	C.S.
1.	Crop Husbandry	27	5	1
2.	Agri. Research & Education	4	2	-
3.	Agri. Marketing	1	0	-
4.	Cold Storage & Warehousing	1	-	-
	Total	33	7	1

B. Centrally Sponsored Schemes :

Sl. No.	Name of the Scheme	Funding pattern (Centre : State)
1.	All India Co-ordinated Wheat Improvement Programme (AICWIP)	75:25
2.	All India Co-coordinated 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
5. National Food Security Mission – Rice (NFSM-Rice)

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, 2012-2013

A. NON-PLAN

(Rs. in lakh)

Sl. No.	SECTOR	Revised Budget 2012-13	Anticipated Expenditure as on 31/03/2013	Excess/ Saving
1	2	3	4	5
1.	2401-Crop Husbandry (NP)	3338.50	3338.50	-
2.	2408-Food Storage & Ware Housing	23.56	23.56	-
3.	2415-Agricultural Research & Education	200.82	200.82	-
4.	3475-Other General Economic services (Marketing Intelligence)	69.12	69.12	-
	Total	3632.00	3632.00	-

B. STATE PLAN

(Rs. in lakh)

Sl. No.	SECTOR	Revised Budget 2012-13	Anticipated Expenditure as on 31/03/2013	Excess/ Saving
1	2	3	4	5
1.	2401 -Crop Husbandary	759.00	759.00	
2.	2408-Food Storage & Ware Housing	4.00	4.00	
3.	2415-Agricultural Research & Edn.	15.00	15.00	
4.	2435-Other Agricultural Programme Agri. Marketing	8.00	8.00	
	Total State Plan	786.00	786.00	

C. CENTRALLY SPONSORED/SECTOR SCHEME

(Rs. in lakh)

Sl. No.		Allocation	Anticipated Expd.
1.	RKVY	7245.00	5294.00
2.	NFSM	1216.28	1216.28
3.	ATMA	1410.17	1410.17
4.	Agri. Market net	Nil	Nil
5.	MMA	1191.32	1191.32
6.	Agri. Census	29.00	29.00
	Total	9681.60	9140.77

D. STATEMENT SHOWING FINANCIAL OUTLAYS :

(Rs. in lakh)

Sl. No.	Sector	Revised Budget 2012-13	Anticipated Expenditure as on 31/03/2012
1	2	3	4
1.	Non – Plan	3632.00	3632.00
2.	Plan	786.00	786.00
3.	CSS	9681.60	9140.77
	Total	14099.60	13558.77

CHAPTER – III

REVIEW OF CROP PRODUCTION DURING KHAEIF 2012 & CROP PROSPECT DURING RABI, 2012-13.

Manipur is a rainfed area with little cultivable command area and minor irrigation projects. The production and productivity of the state is solely dependent on the timely onset of monsoon and pattern of rainfall distribution. However, the season *kharif*, 2012 was very uncertain in the rice production in the State. The rainfall in the State of Manipur in the current calendar year till August 3, 2012 has been 31% below the normal rainfall that adversely affects the rice cultivation. Due to the scanty /deficit rainfall, the crops all the standing crops are also adversely affected. This situation leads to low production in the State.

The Department of Agriculture achieved an impressive growth rate in the foodgrains production over last many years. Due to poor monsoon in current year 2012-13 the foodgrains production has been severely affected in the State. To compensate the losses of foodgrains and oilseeds during *kharif* 2012, the Department took up a Compensatory *rabi* crop production programme on pre-kharif paddy, rabi maize, pea, mustard etc under the Flagship Programme of Rashtriya Krishi Vikash Yojana (RKVY). As a result, the cropping Intensity has increased and is estimated at 175.69% for 2012-13 against the 149% for 2012-13.

The National Food Security Mission — Rice (NFSM-Rice) was introduced and implemented for the first time in the State. Under the Programme, demonstration on System of Rice Intensification (SRI), Improved Packaged of Practices were taken up at the farmers fields.

The Manipur State has conferred "**Krishi Karman Awards**" for the year 2011-12 in honour of the Best performing State in overall production of foodgrain under Category — III States (whose annual total foodgrains production is less than one million tonne). The Award consists of a citation, trophy and cash amount of Rs. 2.00 crore. The award was presented by Hon'ble President of India on 15/1/2013 at New Delhi.

Physical Targets and Achievements for Annual Plan 2012-13

During Pre- Kharif 2012 only 17.15 ha. of paddy were brought under cultivation against the target of 45,000 ha. The production of *Pre-Kharif* Paddy 2012 was estimated as 43,660 MT clean rice. During the *Kharif* season 2012 an area of 1, 05,450 ha. were brought under main paddy cultivation with a production of 2,13,920 MT of clean rice. The total area brought under paddy was 1,22,690 ha with a production of 2,57,580 MT of clean rice. The productivity of rice for the year 2012-13 was calculated as 2,100 Kg/ha. against the National average of 2177 Kg/ha. (2010-11)

The area under pulses during year 2012-13 was 30,300 ha with an estimated production of 28,350 50 MT. The per hectare yield of pulses for the year 2012-13 was 940 Kg/ha against the National average of 537Kg/ha. (2010-11)

An area of 19,440 ha. under maize were brought against the targeted area of 26,000 ha. The production is estimated 44,470 MT against the target of 52,000 MT. The productivity of maize was 2290 Kg/ha against the National average of 1959 Kg/ha (201011).

The total area under oilseeds cultivation during 2012-13 was 44,100 ha. were brought under cultivation and could produced a quantity of 36,710 MT. During rabi, 2012-13 an area of 36,000ha. was brought under rapeseed and mustard. The productivity of oilseeds was estimated as 840 Kg/ha against the National average of 1159 Kg/ha. (2010-11).The targeted area and production of 15,000 ha and 127,000 MT respectively were achieved under potato.

The net and gross areas under different crops cultivated during 2012-13 were 1,53,430 ha. and 2,39,430 ha. respectively. The anticipated Cropping Intensity (CI) for the year 2012-13 is 175.69 % against the tar^et of 151.68%.

Area, Production & Yield for the year 2012-13(Anticipated)

Crop	Area (000 ha.)	Production (000 MT)	Yield (MT/ha)
Pre <i>Kharif</i> paddy	17.15	43.66	2.55
H.Y.V.	52.34	148.36	2.83
Jhum	45.21	46.43	1.03

Terrace	7.99	19.13	2.3 9
Total Main Paddy	105.54	213.92	2.03
Total paddy	122.69	257.58	2.10
<i>Kharif</i> Maize	12.64	25.47	2.02
Rabi Maize	6.80	19.00	2.79
Total Maize	19.44	44.47	2.29
Wheat	2.40	6.00	2.50
Pulses <i>kharif</i>	4.50	4.61	1.02
Pulses <i>Rabi</i>	25.80	23.74	0.92
Total Pulses	30.30	28.35	0.94
Oilseed <i>Kharif</i>	8.10	6.50	0.80
Oilseed <i>Rabi</i>	36.00	30.21	0.84
Total Oilseeds	44.10	36.71	0.83
Sugarcane	5.50	311.69	56.67
Potato	15.00	127.00	8.47
Net Area	136.28		
Gross Area	239.43		
Cropping Intensity	175.69		

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) : 789 cases of insect pest and diseases faced by the farmers of the different crops from different location were identified and recommended remedial measures during 2012-2013.

Intelligent Advisory System for Farmers

The Department in collaboration with C-DAC, Mumbai introduced an Intelligent Advisory System for Farmers (IASF). It is an advisory system as well as hybrid system by integrating Expert System (ES) and Case-base Reasoning (CBR) for answering queries related to farming activities carried out in all over the State such that

- It helps agricultural experts on complex decision making process in farming related problems.
- On-time advice to farmers even in physical absence of agricultural experts.
- It provides a platform for excellent learning for students with real life cases.

At present, IASF supports 4 major farming activities, Crop Selection, Weed Control, Pest Control, and Disease Control. A farmer can ask a question related to the above farming activities and the system produces a highly probable solution from a large database containing collection of queries and expert opinions given on them. IASF is a self learning system that acquires new problems and corresponding solutions. The system can help farmer on time in physical absence of agricultural expert. So far the Department received 1250 nos. of calls under IASF and solved the problem online.

Farm Mechanization : The following Farm Machineries and Plant Protection Equipments were made available to the beneficiary farmers during the year 2012-2013 :

1.	Thresher	13 nos.
2.	Tractor	20 nos.
3.	Reaper	50 nos.
4.	Power Tiller	40 nos.
5.	Pump Sets	250 nos.
6.	Sprayer	625 nos.
7.	Cono Weeder	308 nos.
8.	Others implement	925 nos.

Best Practices Adopted : 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 10085.25 kg/ha during 2012-2013. 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 2012-2013.

**STATUS OF ANALYSIS OF PESTICIDE SAMPLES IN THE STATE
PESTICIDE TESTING LABORATORY
(As on 25-02-2013)**

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 Capital Project".

**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 25-02-2011

Distribution Points (Nos.)				
Department of Agriculture, Manipur	Agri. Cooperatives	Other Institutions	Private Trade	Total
-	-	-	298	298

AREA UNDER PLANT PROTECTION UMBRELLA

(Area in '000 hectares)

Area under application of chemical pesticides (1000 ha)	Area under application of Bio- pesticides (1000 ha)	Total area under application of chemical pesticides and Bio-pesticides (1000 ha)
129.10	24.67	153.77

**STATEMENT SHOWING THE DEMAND VIS-À-VIS CONSUMPTION
OF CHEMICAL PESTICIDES DURING 2012-2013
AND PROJECTED DEMAND DURING THE YEAR, 2013-2014**

Total demand (2012-13) (Kharif 26/.15 + Rabi 8.95) = 35.10
(MT in technical grade)

Total consumption (2012-13) (Kharif 22.88X + Rabi 7.85) = 30.73
(MT in technical grade)

Projected Demand for 2013-14 : (Kharif 26.25 + Rabi 8.22) = 34.47
(MT in technical grade)

CHAPTER – IV

INPUTS

Seeds :

During the year 2012-13 the following quantity of seed of different Crops were made available to the farmers at free of cost.

HYV Paddy	-	49244.79 MT
Hybird Race	-	61059.00 MT
Urd	-	20000 MT
Mrave	-	13800 MT
Pea	-	134400 MT
Mustard	-	90000 MT

Fertilizer :

Timely availability of chemical fertilizers (both controlled and decontrolled) with adequate quantities have been taken care of through Dealers of fertilizers viz., Retail Dealers and Wholesale Dealers, During the month of April, 2012 to March, 2013 the following quantities of chemicals fertilizer were made available to the doorsteps of the farmers in the state.

Consumption statement of Urea, DAP, MOP, SSP from April, 2012 to March, 2013

(figure in MT)

Month/Season	Kharif, 2012				
	Urea	DAP	MOP	SSP	Total
Kharif					
April	1600	210	54	200	2064
May	1800	250	72	150	2272
June	1200	100	36	100	1436
July	6500	380	36	200	7116
August	4100	340	230	210	4880
September	1666	300	192	100	2258
Total	16866	1580	620	960	20026
Rabi	Rabi, 2012-2013				

October	1050	600	500	600	2750
November	820	400	400	200	1820
December	800	200	380	200	1580
January	600	150	140	150	1040
*February	2600	1100	1050	1000	5750
*March	2500	1000	1000	1000	5500
Total	8370	3450	3470	3150	18440
Grand Total	25236	5036	4090	4110	38466

Note :- '* Estimated

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 2012-2013. 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 2012-13.

ii) AGRICULTURE EXTENSION :

- a) **Agri Inf. Unit** : The Department of Agriculture has a well-organized publicity 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 Programmes.
- b) **ATMA** : The Centrally sponsored scheme "Support to State Extension Programmes for Extension Reforms (ATMA Scheme) is an ongoing scheme being implemented since 2005-06. The scheme has, however., been modified and strengthened in 2010-11 with a strong manpower and activity support and is currently operational in all the 9 district of the state covering 60 ATMA Blocks,

Manpower Generation under ATMA Scheme:

A. Contractual.

Sl. No.	Name of post	Sanctioned	Filled up
1.	State Coordinator	1	1
2.	Accountant cum Clerk	10	10
3.	Computer Programmer	10	7
4.	Block Technology Manger (BTM)	44	39
5.	Subject Matter Specialist	44	39

- c) **Mass Media Support to Agri. Extension** : 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".
- d) **Exposure Visit** : Under ATMA, farmers have visited agriculturally developed districts as a part of exposure visit so as to convince themselves the advances technologies.

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
01-03-2012 to 31-12-2012

Sl. No.	Name of the Officer/ Officials	Designation	Retd./Exp./ V. Retd.	Date
1.	Md. Abdul Wahid	Peon	Exp.	05-09-2012
2.	Th. Manihal Singh	Chowkidar	Retd.	30-11-2012
3.	R.N. Lungrei (ST)	Chowkidar	V-Retd.	31-12-2012
4.	Th. Biren Singh	Field Man	Exp.	01-12-2012

GRADE - III

Sl. No.	Name of the Officer/ Officials	Designation	Retd./Exp./ V. Retd.	Date
1.	S. Ibomcha Singh	Steno - III	Exp.	23-05-2012
2.	W. Dinamani Singh	UDC	Retd.	31-09-2012
3.	N. Chaoba Singh	VEW	Retd.	31-08-2012
4.	A. Dilipkumar Singh	SDSMS	Exp.	28-10-2012

GAZETTED

Sl. No.	Name of the Officer/ Officials	Designation	Retd./Exp./ V. Retd.	Date
1.	G. Indramohon Sharma	SDAO, Jiribam	Retd.	23-05-2012
2.	Dr. O. Nobo Singh	Dr. Agri	Retd.	31-07-2012
3.	L. Palandro Singh	Dr. Agri	Retd.	30-11-2012
4.	Th. Bina Devi	DAO, I/E	Retd.	31-12-2012

PROMOTION

GRADE - III

Sl. No.	Name of the Officer/ Officials	Designation	Retd./Exp./ V. Retd.	Date
1.	W. Khambi Devi	UDC	Head Clerk	07-08-2012
2.	Md. Fazur Rahaman	UDC	Sr. Acctt.	08-08-2012
3.	Ksh. Nabakeshwor Singh	Inspector (Statistics)	Economic Analyst	08-08-2012