



Government of Mizoram

R F D

(Results-Framework Document)
for

Department of Agriculture (Crop Husbandry)
(2013-2014)

Section 1: Vision, Mission, Objectives and Functions

Vision

To enhance production and productivity of Agricultural crops to ensure food security of the state and to make Agriculture a sustainable livelihood support

Mission

1. To achieve 4 percent growth rate for Agriculture Sector during 12th Plan by improving the income level of the Farmers through successful implementation of various new initiatives of the State and Central schemes. 2. To conserve and protect natural resources by promoting environmentally safe agricultural practices.

Objectives

- 1 To increase Crop production and productivity thereby improving the income level of the farmers and ensuring food security.
- 2 Improving rain-fed farming system through watershed management
- 3 Ensuring timely supply and quality assurance of Agricultural Inputs
- 4 Dissemination of improved Technology to farmers.
- 5 Diversification of Agriculture for higher farm income.
- 6 Promotion of farm mechanization
- 7 Risk management
- 8 Monitoring & evaluation of schemes

Functions

- 1 Planning, implementation and monitoring of the state and central schemes for Agriculture department.
- 2 Transfer of technology for increase in production and productivity through demonstrations, trainings and exposure visits
- 3 Timely supply of seeds, fertilizers, pesticides and agriculture implements to farmers
- 4 Promotion and popularization of improved technologies like IPM, INM etc. to achieve higher production and productivity.
- 5 Promoting Farm mechanization to mitigate shortage of farm labour and reduce drudgery.
- 6 Enforcement of various Acts to ensure supply of quality inputs.
- 7 Promotion of Oil Palm cultivation through area expansion to attain self reliance in edible oil.

Section 1: Vision, Mission, Objectives and Functions

- 8 Conservation and management of natural resources through protection of agricultural land and water through watershed approach.
- 9 Insurance of crops against natural calamities.

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
[1] To increase Crop production and productivity thereby improving the income level of the farmers and ensuring food security.	20.00	[1.1] Integrated Nutrient Management	[1.1.1] Reclamation of acidic soil with lime & application of Micronutrients.	Ha	3.30	28000	25200	22400	19600	16800
		[1.2] Soil Testing	[1.2.1] Samples Analyzed	Nos.	3.10	11000	9900	8800	7700	6600
		[1.3] Seed treatment	[1.3.1] Seed treated	MT	2.90	19	17	15	13	12
		[1.4] Demonstration of Improved Package of Practices (IPP)	[1.4.1] Total Area covered with demonstration(IPP)	Ha	2.20	4600	4140	3680	3220	2760
		[1.5] Demonstration on System of Rice Intensification (SRI)	[1.5.1] Total Area covered with demonstration (SRI).	Ha	2.20	1720	1548	1376	1204	1032
		[1.6] Demonstration on Hybrid Rice Technology (HRT)	[1.6.1] Total Area covered with demonstration (HRT).	Ha	2.20	1000	900	800	700	600
		[1.7] Increase in Rice Production	[1.7.1] Increase in productivity of Rice (WRC)	MT/Ha	2.00	2.30	2.07	2.00	1.60	1.50
		[1.8] Increase in Maize production	[1.8.1] Additional increase in Maize production	MT	1.10	2000	1800	1600	1400	1200
		[1.9] Increase in Pulses production	[1.9.1] Additional increase in Pulses production	Qtls	1.00	1000	900	800	700	600
[2] Improving rain-fed farming system through watershed management	17.00	[2.1] Construction of water Tank/Pond	[2.1.1] Additional New Rain water harvesting structure	Ha	6.00	490	441	392	343	294

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
			(Tank/Pond) constructed							
		[2.2] Expansion of area under Paddy cultivation.	[2.2.1] Additional Area developed for WRC-I & WRC-II	Ha	5.00	2200	1980	1760	1540	1320
		[2.3] Decrease in Paddy cultivation under Jhum.	[2.3.1] Rate of Reduction of Jhum Area over previous year.	%	3.50	5.00	4.50	4.00	3.50	3.00
		[2.4] Arrangement of pipes for conveyance of water	[2.4.1] Distribution of HDPE water pipes for water conveyance.	Metres	2.50	150000	135000	120000	105000	90000
[3] Ensuring timely supply and quality assurance of Agricultural Inputs	14.00	[3.1] Seed replacement with improved variety (Paddy).	[3.1.1] Improved seed replacement rate (SRR) of paddy	%	4.00	45	40	36	31	27
		[3.2] Seed replacement with improved variety (Maize).	[3.2.1] Improved seed replacement rate (SRR) of Maize	%	3.00	51	46	40	36	30
		[3.3] Seed replacement with improved variety (Pulses).	[3.3.1] Improved seed replacement rate (SRR) of pulses.	%	3.00	44	39	35	31	26
		[3.4] Quality control of inputs (Seeds)	[3.4.1] Number of seed samples analyzed (Law enforcement)	Nos.	1.50	2000	1800	1600	1400	1200
		[3.5] Quality control of inputs (Fertilizer)	[3.5.1] Number of Fertilizer samples analyzed (Law enforcement)	Nos.	1.30	6	5	4	4	3
		[3.6] Quality control of inputs (Pesticides)	[3.6.1] Number of pesticides samples analyzed (Law enforcement)	Nos.	1.20	40	36	32	28	24

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
[4] Dissemination of improved Technology to farmers.	12.00	[4.1] Training to Farmers under cropping based system (Farmers field school)	[4.1.1] Number of Farmers participated	Nos.	5.70	4800	4320	3840	3360	2880
		[4.2] Intensive extension activities - Farmer oriented training (within state/district/inter state)	[4.2.1] Number of farmers participated	Nos.	3.00	6200	5580	4960	4340	3720
		[4.3] Exposure visit to farmers (inter- state/within state/within district)	[4.3.1] Number of farmers participated	Nos.	2.80	2080	1872	1664	1456	1248
		[4.4] Organizing Kissan Melas/Exhibitions.	[4.4.1] No. of participants	Nos.	0.50	700	630	560	490	420
[5] Diversification of Agriculture for higher farm income.	10.00	[5.1] Oil Palm area expansion	[5.1.1] Oil Palm Area expansion	Ha	3.00	5000	4500	4000	3500	3000
		[5.2] Establishment of Nurseries	[5.2.1] Additional Oil Palm Nursery established	Nos.	2.20	1	1	1	1	1
		[5.3] Distribution of Oil Palm Seedlings	[5.3.1] No. of Oil Palm seedlings distributed to beneficiaries.	Nos.	1.50	725000	652500	580000	507500	435000
		[5.4] Enhancement of FFB production	[5.4.1] Increased in FFB production	MT	1.20	4000	3600	3200	2800	2400
		[5.5] Establishment of Oil Palm Mill.	[5.5.1] Expected date of Oil Palm Mill to be operative	Date	1.10	18/12/2013	23/01/2014	13/02/2014	06/03/2014	27/03/2014
		[5.6] Capacity of Oil Palm Mill established	[5.6.1] Capacity of Oil Palm Mill established	MT/Hr	1.00	5	5	4	4	4
[6] Promotion of farm mechanization	8.00	[6.1] Arrangement of Farm machineries @	[6.1.1] Nos. of power tiller distributed	Nos.	4.00	110	99	88	77	66

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
		subsidized rate. (power tiller)								
		[6.2] Establishment of station for Custom hiring system	[6.2.1] Nos. of custom hiring station established	Nos.	2.40	3	2	2	2	1
		[6.3] Arrangement of Farm machineries @ subsidized rate. (Diesel/Electric driven water pump)	[6.3.1] Nos.of Diesel /Electric water pump distributed.	Nos.	1.60	365	329	292	256	219
[7] Risk management	5.00	[7.1] Crop insurance	[7.1.1] Farmers covered under NAIS & MNAIS.	%	5.00	2	2	2	1	1
[8] Monitoring & evaluation of schemes	4.00	[8.1] Timely monitoring of schemes.	[8.1.1] Periodical review /quarterly desk review and Filed visit	Nos	4.00	4	3	3	3	2
* Preparation of Citizens Charter	5.00	Compilation of Citizens Charter for Department as per Central Secretariat Manual, 2003	Timeline	Date	5.0	30/04/2013	15/05/2013	31/05/2013	15/06/2013	30/06/2013
* Efficient functioning of RFD System	5.00	Timely submission of Draft for approval	On-time submission	Date	2.0	28/02/2013	06/03/2013	11/03/2013	15/03/2013	29/03/2013
		Timely submission of Half-Yearly achievement results	On-time submission	Date	1.0	04/10/2013	08/10/2013	11/10/2013	15/10/2013	18/10/2013
		Timely submission of Annual achievement results	On-time submission	Date	2.0	09/04/2014	11/04/2014	15/04/2014	18/04/2014	22/04/2014

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[1] To increase Crop production and productivity thereby improving the income level of the farmers and ensuring food security.	[1.1] Integrated Nutrient Management	[1.1.1] Reclamation of acidic soil with lime & application of Micronutrients.	Ha	10000	24500	28000	30000	32000
	[1.2] Soil Testing	[1.2.1] Samples Analyzed	Nos.	10000	10000	11000	12000	13000
	[1.3] Seed treatment	[1.3.1] Seed treated	MT	10	15	19	20	22
	[1.4] Demonstration of Improved Package of Practices (IPP)	[1.4.1] Total Area covered with demonstration(IPP)	Ha	3100	4136	4600	4800	5000
	[1.5] Demonstration on System of Rice Intensification (SRI)	[1.5.1] Total Area covered with demonstration (SRI).	Ha	1000	1694	1720	1800	1900
	[1.6] Demonstration on Hybrid Rice Technology (HRT)	[1.6.1] Total Area covered with demonstration (HRT).	Ha	400	660	1000	1200	1500
	[1.7] Increase in Rice Production	[1.7.1] Increase in productivity of Rice (WRC)	MT/Ha	--	--	2.07	--	--
	[1.8] Increase in Maize production	[1.8.1] Additional increase in Maize production	MT	1000	1500	2000	2300	2800
	[1.9] Increase in Pulses production	[1.9.1] Additional increase in Pulses production	Qtls	500	800	1000	1300	1800
[2] Improving rain-fed farming system through watershed management	[2.1] Construction of water Tank/Pond	[2.1.1] Additional New Rain water harvesting structure (Tank/Pond) constructed	Ha	--	--	441	--	--
	[2.2] Expansion of area under Paddy	[2.2.1] Additional Area developed for WRC-	Ha	--	--	1980	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	cultivation.	I & WRC-II						
	[2.3] Decrease in Paddy cultivation under Jhum.	[2.3.1] Rate of Reduction of Jhum Area over previous year.	%	--	--	4.50	--	--
	[2.4] Arrangement of pipes for conveyance of water	[2.4.1] Distribution of HDPE water pipes for water conveyance.	Metres	--	--	135000	--	--
[3] Ensuring timely supply and quality assurance of Agricultural Inputs	[3.1] Seed replacement with improved variety (Paddy).	[3.1.1] Improved seed replacement rate (SRR) of paddy	%	30	33	35	36	42
	[3.2] Seed replacement with improved variety (Maize).	[3.2.1] Improved seed replacement rate (SRR) of Maize	%	45	50	51	53	56
	[3.3] Seed replacement with improved variety (Pulses).	[3.3.1] Improved seed replacement rate (SRR) of pulses.	%	30	43	44	46	49
	[3.4] Quality control of inputs (Seeds)	[3.4.1] Number of seed samples analyzed (Law enforcement)	Nos.	2000	2000	2200	2300	2400
	[3.5] Quality control of inputs (Fertilizer)	[3.5.1] Number of Fertilizer samples analyzed (Law enforcement)	Nos.	4	6	6	7	8
	[3.6] Quality control of inputs (Pesticides)	[3.6.1] Number of pesticides samples analyzed (Law enforcement)	Nos.	30	34	40	45	50
[4] Dissemination of improved Technology to farmers.	[4.1] Training to Farmers under cropping based system (Farmers field school)	[4.1.1] Number of Farmers participated	Nos.	3500	4500	4800	5000	5300

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	[4.2] Intensive extension activities - Farmer oriented training (within state/district/inter state)	[4.2.1] Number of farmers participated	Nos.	--	--	5580	--	--
	[4.3] Exposure visit to farmers (inter- state/within state/within district)	[4.3.1] Number of farmers participated	Nos.	1300	2080	2080	2300	2300
	[4.4] Organizing Kissan Melas/Exhibitions.	[4.4.1] No. of participants	Nos.	450	700	700	700	700
[5] Diversification of Agriculture for higher farm income.	[5.1] Oil Palm area expansion	[5.1.1] Oil Palm Area expansion	Ha	1970	3711	5000	8000	12000
	[5.2] Establishment of Nurseries	[5.2.1] Additional Oil Palm Nursery established	Nos.	1	1	1	2	2
	[5.3] Distribution of Oil Palm Seedlings	[5.3.1] No. of Oil Palm seedlings distributed to beneficiaries.	Nos.	425000	530865	600000	650000	700000
	[5.4] Enhancement of FFB production	[5.4.1] Increased in FFB production	MT	1500	2500	4000	4500	5500
	[5.5] Establishment of Oil Palm Mill.	[5.5.1] Expected date of Oil Palm Mill to be operative	Date	--	--	23/01/2014	--	--
	[5.6] Capacity of Oil Palm Mill established	[5.6.1] Capacity of Oil Palm Mill established	MT/Hr	--	--	5	10	15
[6] Promotion of farm mechanization	[6.1] Arrangement of Farm machineries @ subsidized rate. (power tiller)	[6.1.1] Nos. of power tiller distributed	Nos.	100	100	110	120	130

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	[6.2] Establishment of station for Custom hiring system	[6.2.1] Nos. of custom hiring station established	Nos.	0	0	3	3	2
	[6.3] Arrangement of Farm machineries @ subsidized rate. (Diesel/Electric driven water pump)	[6.3.1] Nos.of Diesel /Electric water pump distributed.	Nos.	--	--	329	--	--
[7] Risk management	[7.1] Crop insurance	[7.1.1] Farmers covered under NAIS & MNAIS.	%	2	3	4	5	6
[8] Monitoring & evaluation of schemes	[8.1] Timely monitoring of schemes.	[8.1.1] Periodical review /quarterly desk review and Filed visit	Nos	5	5	5	5	5
* Preparation of Citizens Charter	Compilation of Citizens Charter for Department as per Central Secretariat Manual, 2003	Timeline	Date	--	--	15/05/2013	15/05/2014	15/03/2015
* Efficient functioning of RFD System	Timely submission of Draft for approval	On-time submission	Date	--	--	28/02/2013	28/02/2014	28/03/2015
	Timely submission of Half-Yearly achievement results	On-time submission	Date	--	--	06/09/2013	06/09/2014	06/09/2015
	Timely submission of Annual achievement results	On-time submission	Date	--	--	11/04/2014	11/04/2015	11/04/2016

* Mandatory Objective(s)

Section 4: Acronym

Sl.No	Acronym	Description
1	FFB	Fresh Fruit Bunch
2	HRT	Hybrid Rice Technology
3	IPP	Improved packages of practices particularly applied for Rice cultivation under WRC
4	MNAIS	Modified National Agricultural Insurance scheme
5	MT	Metric tone
6	NAIS	National Agricultural Insurance scheme

Section 4: Acronym

Sl.No	Acronym	Description
7	Qtls	Quintal
8	SRI	System of Rice Intensification
9	WRC-I	Wet Rice cultivation in which the slope % of the potential area is 1-10 %
10	WRC-II	Wet Rice Cultivation in which Rice is cultivated in area having 10-25 % slope %

Section 4: Description and Definition of Success Indicators and Proposed Measurement Methodology

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
1	[6.1.1] Additional New Rain water harvesting structure (Tank/Pond) constructed	Construction of rain water harvesting structures for individual and community	Construction of water harvesting structures (Tank/Pond)	It is measured by the total additional irrigated area	Rainwater harvesting structures is extremely important to bring more areas under assured irrigation.
2	[6.2.1] Additional Area developed for WRC-I & WRC-II	Land development in potential areas both in between 0-25 % and 26-33 % slope for Rice based cropping	Land development in between 0-25 % and 26-33 % slope potential areas(Plain & Terraces) for Rice based cropping.	It is measured by the area developed (Ha.)	Area expansion is an important factor to enhance Net sown area to increase Agricultural crops production.
3	[6.3.1] Rate of Reduction of Jhum Area over previous year.	Slash and burn method of cultivation which is detrimental to the environment	Slash and burn method of cultivation.	It is measured by the Percent (%) decrease in Jhum Area over the previous year.	Though still prevalent, this system has to be abandoned and permanent cultivation needs to be encouraged.
4	[6.4.1] Distribution of HDPE water pipes for water conveyance.	This is essential for conveyance of irrigation water	Plastic pipes are used for conveyance of irrigation water from water source	It is measured by the length of pipe /roll of 100 Mt distributed at subsidized rate.	Pipes are essential for carrying water from water source.
5	[7.1.1] Improved seed replacement rate (SRR) of paddy	Low seed replacement rate with high yielding variety is a serious constraint to augment productivity	Seed replacement rate is the replacement of indigenous inferior variety with high yielding variety	It is measured by the seed replacement rate (%) of paddy	Seed replacement rate has to be improved to increase production and productivity of Rice.

Section 4: Description and Definition of Success Indicators and Proposed Measurement Methodology

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
6	[7.2.1] Improved seed replacement rate (SRR) of Maize	Low seed replacement rate with high yielding variety is a serious constraint to augment productivity	Seed replacement rate is the replacement of indigenous inferior variety with high yielding variety	It is measured by the seed replacement rate (%) of improved Maize seeds	Seed replacement rate has to be improved to increase production and productivity of Maize
7	[7.3.1] Improved seed replacement rate (SRR) of pulses.	Low seed replacement rate with high yielding variety is a serious constraint to augment productivity	Seed replacement rate is the replacement of indigenous inferior variety with high yielding variety	It is measured by the seed replacement rate (%) of improved pulse seeds	Seed replacement rate has to be improved to increase production and productivity of pulses.
8	[7.4.1] Number of seed samples analyzed (Law enforcement)	Seed testing is conducted to determine the seed health, seed moisture content, varietal purity and germination/dormancy	Seed testing is conducted to determine the seed health, seed moisture content, varietal purity and germination /dormancy.	It is measured by the number of seed lot /samples tested.	Seed testing determined the quality of a particular crop variety.
9	[7.5.1] Number of Fertilizer samples analyzed (Law enforcement)	To ensure delivery of good quality fertilizers to the farmers.	To ensure delivery of good quality fertilizers (NPK etc) and avoid sub-standards fertilizer to the farmers	It is measured by the no. of fertilizer samples tested.	To assured supply of quality fertilizers to the farmers as productivity is affected by poor quality fertilizers to a large extent
10	[7.6.1] Number of pesticides samples analyzed (Law enforcement)	To ensure the % purity of active ingredient in both technical grades & formulation as per labeled claimed by the manufacturer & to ensure the shelf life of active ingredients.	To ensure the % purity of active ingredient in both technical grades & formulation as per labeled claimed by the manufacturer & to ensure the shelf life of active ingredients.	It is measured by the no of samples analyzed	To ensure supply of quality insecticides to the f

Section 4: Description and Definition of Success Indicators and Proposed Measurement Methodology

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
11	[8.1.1] Number of Farmers participated	Capacity building for sustainable agriculture development.	Capacity building for agricultural knowledge management and information	It is measured by the no. of farmers participated	Capacity building is essential for sustainable agriculture development
12	[9.1.1] Oil Palm Area expansion	To cover more area under oil palm cultivation.	Oil palm cultivation expansion in identified potential areas	It is measured by the increase in area under oil Palm cultivation (ha)	Oil palm is being promoted to attain self sufficiency in Vegetable oil.
13	[9.2.1] Additional Oil Palm Nursery established	To supply the required no. of seedlings for area expansion.	To produced maximum no of standard seedlings for area expansio	It is measured by the no. of seedlings distributed.	Nurseries are established to meet the seedling requirement for area expansion.
14	[9.4.1] Increased in FFB production	Oil Palm Mill for processing of Palm Oil.	Oil palm mill will processed Oil palm oil	It is measured by the number of processing unit established	Setting up of processing unit is important for primary processing of FFB from different locations.
15	[10.1.1] Nos. of power tiller distributed	Power tillers increase productivity of land and labour by meeting timeliness of farm operations and increase work out-put per	To promote farm mechanization, Power tillers are sales at subsidized rate to increase work out-put per unit time and increase production.	It is measured by the no. of power tiller distributed at subsidized rate	Power tillers increase productivity of land and labour by meeting timeliness of farm operations and increase work out-put per unit time.

Section 4: Description and Definition of Success Indicators and Proposed Measurement Methodology

SI.No	Success indicator	Description	Definition	Measurement	General Comments
16	[11.1.1] Farmers covered under NAIS & MNAIS.	NAIS is one alternative to manage risk in yield loss by the farmers. It is the Mechanism to reduce the impact of income loss on the farmer (family and farming).	Crop insurance is a means of protecting farmers against the variations in yield resulting from uncertainty of practically all natural factors beyond their control such as rainfall (drought or excess rainfall), flood, hails, other weather variables (temperature, sunlight, wind), pest infestation, etc.	It is measured by the no. of farmer covered under the scheme	Crop insurance is a means to protecting the cultivators against financial loss on account of anticipated crop-loss arising out of practically all natural factors beyond their control such as natural fire, weather, floods, pests, diseases etc

Section 5 : Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
State Government	Mizoram	Departments	Department of Finance	Total Area covered with demonstration (IPP). Total Area covered with demonstration (SRI). Total Area covered with demonstration(HRT) [6.1.1] Additional New Rain water harvesting structure (Tank/Pond) constructed [6.2.1] Additional Area developed for WRC-I & WRC-II [9.1.1] Oil Palm Area expansion [10.1.1] Nos. of power tiller distributed	Allocation of funds	Timely implementation of the scheme.	90 %	Target will not be achieved
			Department of Planning & Programme Implementation	[11.1.1] Farmers covered under NAIS & MNAIS.	Allocation of state Fund	To meet the premium for crop insurance	45 % of the total cost of insurance	Target will not be achieved

Section 6: Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
1 Increase in Rice production (paddy)	Ministry of Agriculture, Department of Agriculture (CH), Revenue dept., Planning, Finance, KVK etc.	Increase in Rice production (Rice) Crop harvest report are collected from Districts every year.	MT	47000	57700	62500	75000	82000
		Increase in productivity of Rice (WRC)	MT/HA	1.89	2.12	2.3	2.5	2.7
2 Increase in Maize production	Ministry of Agriculture, Department of Agriculture (CH), Revenue dept., Planning, Finance, etc	Increase in production of Maize (MT). Crop harvest report are collected from Districts.	MT	5000	9603	10000	12000	13500
		Increase in Productivity of Maize	MT/Ha	1.40	1.40	1.80	1.90	2.20
3 Increase in production of pulses	Ministry of Agriculture, Department of Agriculture (CH), Revenue dept., Planning, Finance, etc	Increase in production of Pulses (MT). Crop harvest report are collected from Districts.	MT	500	800	1200	1600	1900
		Increase in productivity of Pulses.	Qtls/Ha.	4.50	5.00	5.50	6.00	6.50
4 Increase in Farm Power availability	Ministry of Agriculture, Department of Agriculture (CH), Revenue dept., Planning, Finance etc.	Increase in availability of Farm power (KW/Ha)	Kw/Ha	0-60	0.65	0.75	0.80	0.85
5 Increase in Area under Oil Palm	Ministry of Agriculture, Department of Agriculture (CH), Revenue dept., Planning, Finance, etc.	Additional Increased in Area covered (Ha.)	Ha	1970	3711	5000	8000	9000
		Increase in FFB production	MT	1900	2500	4000	8000	12000