



AGRICULTURE DEPARTMENT

**PERFORMANCE BUDGET
2014-2015**

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GOVERNMENT OF TAMIL NADU
2014

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1. AGRICULTURE

1. Introduction

Agriculture, being a source of both livelihood and food security for a vast majority of our society, needs a higher priority to achieve inclusive growth. Agriculture is the key to poverty alleviation which contributes significantly to the GDP together with its allied sectors. Hence, it would be more meaningful to focus agriculture as a holistic and integrated value chain from farmer to consumer rather than farming alone.

The widening population day by day has created lot of pressure on agriculture by increasing the food demand, increasing the fragmentation of land holdings, decreasing the availability of cultivable land area and dwindling ground water resources. Vagaries of monsoon have necessitated formulation of a strategic vision for agriculture which encompasses factors such as conservation of land, water, soil and other biological resources, timely and adequate availability of inputs at needy places, development of innovative labour-saving technologies, farm mechanization, increase in the flow of sufficient credit particularly to the small and marginal farmers, support for creation of marketing infrastructure and value chain management.

In the circumstances, the Government's systematic approach to transform agriculture into a more profitable crop production intensification system by converging all subsectors of agriculture and revitalization of the extension mechanism have made the farmers more responsive and receptive in adopting all the technological innovations and latest developments thus paving way for increased food grain production of the State.

Government of Tamil Nadu have been conferred with national awards at various points of time for its creditable performance in increasing the food grain production of the state. The state bagged the **Krishi Karman Award of Government of India for achieving highest ever production of 101.52 L.MT during 2011-2012. The State also received the State Agriculture Leadership Award 2013** from the leading magazine, "Agriculture Today" for various new initiatives taken by the Government.

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To emulate this feat of achievement, Government of Tamil Nadu has scaled up the initiatives such as System of Rice intensification, System of Pulses intensification, promotion of transplanted red gram, intensification of millets, sustainable sugarcane initiatives, precision farming, micro irrigation during **2013-2014** besides special efforts to extend assistance under **Kuruvai special package** for increasing the coverage during Kuruvai season in Cauvery delta districts, bring fallow lands under cultivation, increase the area under rice fallow pulses and food grains during summer, implement food grain mission, Integrated Farming System under district saturation model, Invigorate Extension system through efficient use of ICT tools to step up agricultural production and improve the economic status of the farming community.

2. Season

2.1. Rainfall

The season wise rainfall received during 2012, 2013 and 2014 are as follows:-

Season	2012			2013			2014		
	Normal	Actual	Dev (%)	Normal	Actual	Dev (%)	Normal	Actual	Dev (%)
Winter Season (Jan-Feb)	31.30	9.50	(-)70	30.70	34.40	(+)12	31.40	13.80	(-)56
Summer season (Mar-May)	128.00	86.20	(-)33	128.00	92.20	(-)28	128.00	157.20	(+)23
South West Monsoon (June-Sep)	321.30	245.90	(-)24	321.10	325.40	(+)1	78.90	82.20	(+)4
North East Monsoon (Oct-Dec)	440.40	370.50	(-)16	440.40	294.30	(-)33			
Total	921.00	712.10	(-)23	920.20	746.30	(-)19			

The state received normal rainfall during winter & South West Monsoon and deficit rains during summer & North East Monsoon period during 2013. Compared to 2012, the rainfall received during North East Monsoon is deficient with wide variation in spatial and temporal distribution which has affected the prospects of various crops. The rainfall received during winter and summer seasons of 2014 is deficient and excess respectively. So far, the state has received Normal rainfall during South West Monsoon.

3. Area, Production and Productivity:

During 2012-2013, an acute rainfall deficiency coupled with terminal drought caused large scale crop damage. The Government declared the entire state except Chennai as drought affected. The estimate of area, production and productivity for 2012-2013 is as follows:-

Crop	Area (L.Ha.)		Production (L.MT)		Productivity (kg/Ha)	
	Target	Achmt(*)	Target	Achmt(*)	Target	Achmt(*)
Rice	22.00	14.93	86.50	40.50	3932	2713
Millets	11.00	6.42	26.95	13.42	2450	2090
Pulses	10.40	5.11	6.55	2.13	630	417
Total food grains	43.40	26.46	120.00	56.05		
Oilseeds	6.60	3.90	15.00	8.16	2273	2092
Cotton (L.Bales)	1.55	1.33	4.20	2.55	461	326
Sugarcane	3.60	3.48	493.50	340.14	137	98
Total	55.15	35.17				

(*) Final estimate 2012-2013

Popularisation of crop specific agricultural practices such as SRI, System of Pulses intensification(SPI), intensification of millets and red gram (through transplanted), Sustainable Sugarcane Initiatives(SSi), precision farming, micro irrigation, integrated farming system besides efforts such as distribution of Farmers integrated hand book, effective dissemination of good practices to farmers through Uzhavar Peruvizha and development of suitable crop plan at farm level through Farm Crop Management System have made a significant impact in salvaging the production of food grains during 2012-2013. The year 2013-2014 which opened on a positive note with good rainfall during winter season was subsequently affected due

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to poor storage of reservoirs, delayed opening of Mettur dam, skewed distribution of rainfall during South West Monsoon inspite being Normal as per IMD norms resulting in failure of achieving the programmed area during Kharif 2013 besides affecting the prospects of Kuruvai paddy crop in Delta districts. Further deficient rainfall in North East Monsoon had a major impact on the crop coverage especially in southern districts. However, Government took up series of initiatives such as implementation of Kuruvai Special package 2013, bringing back fallow lands for cultivation, rejuvenating soil health, Launching of food grain mission to bring paradigm change from "food security to food surplus", adoption of SRI and SPI as a whole village concept in newly identified villages, promotion of transplanted red gram cultivation in a larger extent coupled with micro irrigation, cultivation of Rice fallow Pulses with improved practices, intensification of millets cultivation, SSI, precision farming, micro irrigation, integrated farming system as a district saturation model and Invigorating Extension System through efficient use of ICT tools to increase the area, production and productivity of all crops during 2013 – 2014.

Despite poor rains during 2013-2014, various path breaking initiatives by the Government has resulted in an all time high estimated production of food grains. The area , production and productivity as per **fourth advance estimate is given below.**

Crop	Area (L.Ha.)		Production (L.MT)		Productivity(kg/Ha)	
	Target	Achmt(*)	Target	Achmt(*)	Target	Achmt(*)
Rice	20.00	17.86	78.50	69.62	3925	3898
Millets	11.00	9.81	26.95	35.96	2450	3666
Pulses	10.40	8.80	6.55	5.07	630	576
Total food grains	41.40	36.47	112.00	110.65		
Oilseeds	6.60	4.22	15.00	10.52	2273	2493
Cotton (L.Bales)	1.55	1.52	4.20	4.08	461	456
Sugarcane	3.60	3.27	396.00	317.60	110	97
Total	53.15	45.48				

(*) Fourth Advance Estimate 2013-2014

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Area and Production Programme for 2014-2015

Crop	Area (L.Ha)	Production (L.MT)	Productivity (Kg/ Ha.)
Rice	21.00	92.00	4381
Millets	12.00	45.00	3750
Pulses	11.00	8.00	727
Total food grains	44.00	145.00	
Oilseeds	6.60	15.00	2273
Cotton (L.Bales)	1.70	6.70	670
Sugarcane (MT)	3.60	400.00	111
Total	55.90		

4. Big Leap towards profitable agriculture:

In pursuance of achieving ambitious goals of second green revolution, the Government is initiating various innovative strategies such as “**Planning to weather proof Food grain area**” for various monsoon scenario, Crop diversification, integrated approach to enrich the soil fertility, Effective water resources management, Increasing the Water Use Efficiency through promotion of precision farming, Micro Irrigation and crop specific technologies, input supply management, farm based interventions, whole village concept for paddy and pulses to develop model villages, SSI, group extension approach by invigorating the extension system, Integrated Farming System approach, weather, crop and market advisories to farmers, IT based farm level interventions & Capacity building for excellence, Formation of commodity groups, Farmers Producer Organisations (FPOs), imparting knowledge on cleaning, grading and value addition, linking them with aggregators and meticulously executing these approaches under various crop oriented schemes for market led agriculture.

The Government has framed the following strategies for 2014 - 2015 to intensify the cropping area and production:

❖ Improving Land Resources

- Appropriate agro-ecologic zoning
- Designing profitable cropping pattern
- Increasing the gross cropped area and cropping intensity

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- Stabilize / enhance production in rain fed and dry land farming systems
- Identification and bringing back fallow land under cultivation.

❖ Nutrient Conservation and farm soil preservation

- Soil survey and land use
- GIS based soil mapping to economise fertilizer use
- Reclamation of problem soils
- Site specific and need based nutrient management
- Organic farming

❖ Judicious utilisation of Water Resources for crop intensification

- Crop specific technologies in irrigation management to increase water use efficiency
- Increasing irrigation intensity
- Augmenting water harvesting resources such as farm ponds, percolation ponds, check dams, subsurface dykes etc.,

❖ Integrated Resource Management

- Strengthening input delivery system
- Farming system and crop based technological interventions
- Integration of livestock, horticulture, silvi-pastures, fisheries, sericulture, apiary etc., with crop husbandry
- Grower clusters for a cohesive and multifaceted approach for optimal use of resources

❖ Agriculture Infrastructure Management

- Identifying farmers' vital needs, developing and maintaining rural infrastructure by teaming up the local communities, farmers and traders.
- Rebuilding agriculture infrastructure for seed production, storage & processing, production of other inputs such as bio- fertilizers, bio- pesticides etc., quality control of all inputs, capacity building besides transfer of technologies
- Encouraging private investments in farm development
- Deriving maximum efficiency in the use of key inputs including water, nutrients, bio-pesticides, energy, land and labour

❖ Alternative Energy sources to increase farm efficiency

- Tapping solar energy to increase the farm output
- Drudgery, time & labour saving technologies - Farm mechanization

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- ❖ **Invigorating the Agricultural Extension machinery**
 - Perk up the Extension delivery system
 - Establishment of Knowledge and Training centres
 - IT based Extension deliverance
- ❖ **Human Resource Management**
 - Entrepreneurship development
 - Capacity building for excellence
 - Instituting Awards and rewards
- ❖ **Calamity Relief**
 - Mitigating crop loss due to climatic stress and establishing a resilient cropping system
 - Crop Insurance

The Way Forward

- Intensifying the net cultivable area
- Revitalizing soil health to increase farm productivity
- Promoting more rational and efficient conjunctive use of irrigation water
- Precise Input Supply System which serves as a network of production technologies and management strategies to improve the delivery mechanism
- Increasing the total efficiency of the inputs to increase the agricultural output
- Improving the Farmers Development Index
- Creation of robust Agriculture Infrastructure Network besides capacity augmentation by retrofitting the existing ones
- Maximizing the production potential of rain fed areas in all agro climatic zones

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
I STATE SCHEMES							
1	1 Seed Multiplication Schemes						
	A. Procurement and Distribution of certified Paddy & Millets						
	a. Procurement						
	i Paddy	M.T	18700	14711	18700	17211	34650
	ii Millets	M.T	470	299	480	284	770
	b. Distribution						
	i Paddy	M.T	18700	19137	18700	15794	34650
	ii Millets	M.T	470	375	480	284	770
	B. Procurement and Distribution of Pulses Seeds						
	i Procurement of Certified Pulses Seeds	M.T	4500	2994	4570	3284	7955
	ii Distribution of Certified Pulses Seeds	M.T.	4500	2969	4570	3040	7955
	C. Increasing the Production of Oilseeds						
	i Procurement	M.T	6500	3433	6550	3422	12670
	ii Distribution	M.T	6500	3526	6550	4080	12670
2	Crop Insurance Schemes						
	a National Agricultural Insurance Scheme (NAIS) & Modified NAIS	L.Nos	10.00	8.82	10.00	6.578	The Scheme will not be implemented during 2014-15
	b National Crop Insurance Programme - MNAIS		..	..	..	..	7.00
	C. Weather Based Crop Insurance Scheme	Nos.	35000	27000	35000	19298	The Scheme will not be implemented during 2014-15
	d Coconut Palm Insurance Scheme	Ha	11636	870	8348	963.04	8348
3	Integrated Farming System	Nos	1128	1128	Villupuram Dist.	..	Villupuram Dist.
4	Printing and Distribution of Farmers Integrated Hand Book	L.Nos	4050000	460219	3150000	4101474	3556307
5	Production and Distribution of Micro Nutrients						
	a Production	MT	1400	1194	1600	1409	2400
	b Distribution	MT	1400	1180	1600	1332	2400

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
6	Production of Vermi Compost from Farm Wastes						
	a Demonstration	Nos	250	250	250	250	248
	b Training to Farmers	Nos	12500	12500	12500	12500	12400
7	Crop and Plant Protection Scheme						
	a Crop and Plant Protection Scheme - Pesticide Samples Collected	Nos	21850	20865	21850	21850	21850
	b Bio Control agent Production						
	i Pseudomonas fluorescens	Kgs	48000	49708	48000	55584	48000
	ii Trichoderma Viridi	Kgs	24000	25238	24000	26105	24000
	iii T.Chilonis	CC	7500	10025	7500	7500	7500
	iv NPV	Lit	4250	4601	4250	4461	4250
	v Green Muscardine Fungi	Vials	5500	5500	5500	5500	5500
8	CROP YIELD COMPETITION:						
	a District Level	Nos	62	62	62	54	88
	b State Level	Nos	6	6	6	6	10
9	Part II Schemes						
	i Construction of Integrated office complex for Agriculture	Nos	2	2	..	..	..
	ii Purchase of Xerox Machines	Nos	1	1	..	..	..
10	Augmenting Pulses through Production and distribution subsidy						
	a Production subsidy @ Rs.15/kg	M.T.	2000	2434	2000	2328	2000
	b Distribution subsidy @ Rs.8/kg	M.T.	2000	421	2000	1122	2000
	II. CENTRE STATE SHARED SCHEMES						
11	Intensive Cotton Development Programme under Mini Mission-II of Technology Mission of Cotton						
	i Certified Seed Distribution	Qtls	..	..	200	208	..
	ii Farmers Field schools by cluster approach (30 Farmers each)	Nos	150	149	100	102	..
	iii Distribution of Pheromone traps	Ha	3000	3000	1325	805	..
	iv Distribution of Bio-Agents/Bio Pesticides	Ha	..	..	2800	4309	..
	v Supply of Manually Operated Sprayers	Nos.	..	..	..	..	..
	vi Supply of Power Operated Sprayers	Nos.	..	..	..	..	..
	vii Front line Demonstration on Farm Implements	Nos.	700	575	..	..	..
	viii Front line Demonstration on Production Technology	Nos.	..	..	100	150	..
	ix Season Long Training to facilitators	Nos.	..	..	..	..	..
	x Distribution of TNAU Cotton Plus	Ha.	2000	511	..	..	..
	xi Distribution of Cotton Picking machine	Nos.	200	285	..	..	..
12	AGRICULTURAL TECHNOLOGY MANAGEMENT AGENCY:						
	i Training of Farmers	Nos.	1163	1163	1605	1605	1605

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
	ii Demonstration	Nos.	6246	6246	11750	11750	11750
	iii Exposure Visit	Nos.	1230	1230	1392	1392	1392
	iv Farmers Scientists Interaction	Nos.	47	47	77	77	77
	v Farm School	Nos.	769	769	910	910	910
	vi Manpower Placement	Nos.	1322	1221	1322	1221	1708
	vii Farmer Friend Placement	Nos.	8314	8054	8166	8090	8170
13	MACRO MANAGEMENT OF AGRICULTURE - INTEGRATED CEREAL DEVELOPMENT PROGRAMME						
	1 Distribution of certified paddy seeds	Ha.	13000	10377	960.82	945.44	This scheme merged with NADP
	2 IPM Demonstration cum Training at Rs.17000/-	Nos.	..	..	..	..
	3 Distribution of Sprayer	Nos.	1500	1627	..	..
	4 Distribution of Powertiller	Nos.	92	108	..	..
	5 Distribution of Rotavator	Nos.	200	195	..	..
	6 Distribution of Pumpset	Nos.	100	87	..	..
	7 Distribution Of Power weeder	Nos.	1333	1304	..	..
	8 Distribution of Zerotill seed drill	Nos.	250	182	..	..
	9 Distribution of Seeder Drum	Nos.	250	213	..	..
14	Integrated Schemes on Oilseeds, Pulses, Oilpalm and Maize (ISOPOM)						
	A. Oilseeds						
	i Purchase of Breeder Seed	Qtl	530	521	600	623	..
	ii Production of Foundation Seed	Qtl	4240	3075	3500	4436	..
	iii Production of Certified seed	Qtl	25000	25600	25000	23542	..
	iv Distribution of Certified Seed	Qtl	25000	12366	12500	8748	..
	v Pipes for carrying water from source to field	Nos	3000	3462	1650	1747	..
	vi Compact Block Demonstration						..
	a) Groundnut	Nos.	1000	1020	1000	962	..
	b) Gingelly	Nos.	50	57	50	39	..
	c) Sunflower	Nos.	100	88	75	69	..
	vii IPM Demonstration	Nos.	400	367	300	282	..
	viii Distribution of Bio-fertilizers	Ha.	80000	102016	84767	103376	..
	ix Distribution of Bio-pesticides	Ha.	5000	5595	5000	5750	..
	x Distribution of PP equipments						..
	a) Hand Operated Sprayers	Nos.	2000	1728	1000	966	..
	b) Power Operated Sprayers	Nos.	2000	2491	1000	1143	..

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
XI	Distribution of Weedicides	Ha.	400	316	400	399	..
XII	Farmers Training	Nos.	300	298	300	295	..
XIII	Officers Training	Nos.	30	31	30	30	..
XIV	Combined Nutrient spray for Groundnut	Ha.	50000	4905	3000	2872	..
XV	Distribution of Micro Nutrient Distribution	Ha.	1000	1252	1000	1551	..
XVI	Supply of Sprinklers	Ha.	2000	1404	600	508	..
XVII	Supply of Light traps	Ha.	400	277	250	179	..
XVIII	Supply of Pheremone traps	Ha.	400	406	400	470	..
B. ISOPOM-Oilpalm							
I	Cultivation Maintenance Subsidy						
a)	3rd Year	Ha.	2060	1024.6	..	..	..
b)	4th Year	Ha.	1200	520	1025	756	..
II	Drip Irrigation						
a)	Other Farmers	Ha.	200	164	315	122.54	..
III	Training						
a)	Farmers Training	Batch	60	61	60	60	..
b)	Officers Training	Nos.	11	10	12	12	..
IV	Waste Land Development by bush clearance, leveling etc.	Ha.	100	15	..	..	..
V	Diesel Pumpsets	Nos.	400	166	318	174	
VI	New and Innovative Components						
a)	IPM for Oilpalm	Ha.	2000	1996	1000	724	..
b)	Harvesting tools	Nos.	250	214	108	77	..
C. ISOPOM -Maize							
i	Production of Certified Seeds through Department Rs.1000/- Per Qtl	Qtls	300	208.22	300	101.14	The Scheme has been withdrawn for 2014-15 and restructured as NFSM coarse cereals
ii	Distribution of Certified Seeds @ Rs.1200/- Qtl of 30% cost of seed.	Qtls	300	162.16	300	69.37	
iii	Block Demonstration by Department Rs.4000/-by Demn.	Nos.	720	722	800	826	
iv	IPM by Department Rs.22680/- per Demonstration of 10 Ha.	Nos.	45	43	50	48	
v	POL Rs. 30000/- per district.	LS	23	0	25	..	
vi	Farmer's Training (2 days training) Rs.15000 per training	Nos.	60	59	70	70	
vii	Officers Training 30 Officers/ batch @ Rs.16000/-	Nos.	7	7	9	9	
viii	Pipe Line for carrying water from water source to the field	Nos.	240	250	250	264	
ix	State Level Workshop Rs.20000/- per workshop	Nos.	1	1	1	1	
x	Publicity Rs.2500/- dist.	LS	23	..	25	..	
15	Coconut Development Board Assistance Scheme (50:50)						
i	Production and Distribution of Hybrid Seedlings at Navlock						
	Distribution of Seedlings	L.Nos	1.60	0.961	1.60	1.355	1.60

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
ii	Establishment of Regional Cocount Nurseries- Production and Distribution of Cocount Seedlings	L.Nos	3.2	3.735	3.2	3.126	3.2
16	NATIONAL MISSION ON SUSTAINABLE AGRICULTURE						
A. Rainfed Area Development							
a.	Cropping System	Ha.	..	..	..	..	26531
b.	Value addition and Farm development activities		..	..	..	..
i.	Vermicompost	Nos.	..	..	..	..	593
ii.	Green manuring	Ha.	..	..	..	..	19500
iii.	Reclamation of problem Soils		..	..	..	..	2000
B. Soil Health Management							
a.	Organic & INM components of SHM		..	..	..	..
i.	Adoption of organic farming through cluster approach under PGS certification		..	..	..	..	953
ii.	Organic village adoption	Nos.	..	..	..	..	10
iii.	Promotion of Organic inputs		..	..	..	..	10000
17	National Mission on Oilseeds and Oilpalm (NMOOP)- Mini Mission I- Oil Seeds						
i	Purchase of Breeder seed	Qtl.					275
ii	Production of Foundation seed	Qtl.					1675
iii	Production of Certified Seed	Qtl.					6000
iv	Distribution of Certified Seed	Qtl.					7780
v	Block Demonstration	Ha					800
vi	IPM Demonstration (FFS)	Nos.					150
vii	Farmers Training	Nos.					279
viii	Officers Training	Nos.					28
ix	Distribution of Biofertilizers(Rhizobium/PSB/ZSB/Azotobactor/Mycorrhiza	Ha.					13982
x	Distribution of Plant production chemicals/Insecticides/Bio-pesticides/Weedicides/Bio agents/Micronutrients etc.,	Ha.					2792
xi	Nuclear Polyhedrosis Virus (NPV)	Ha.					558
xii	Distribution of PP equipments						
a)	Manual Operated	Nos.					558
b)	Power Operated	Nos.					558
xiii	Distribution of improved farm impliments						
a)	Manual Operated	Nos.					296
b)	Power Operated	Nos.					64
xiv	Distribution of Sprinklers sets	Nos.					402
xv	Pipes for Carrying Water from the source to the field	Nos.					800000

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
18	National Mission on Oilseeds and Oilpalm (Mini Mission II) -Oil palm						
i	Distribution of Planting Material	Ha.	..	..	..	..	1600
ii	Assistance for cost of cultivation during gestation period						
	a. Maintenance Subsidy - Second year	Ha.	..	..	..	..	926
	b. Maintenance Subsidy -3rd year	Ha.	..	..	..	..	700
	c. Maintenance Subsidy -4th year	Ha.	..	..	..	..	940
iii	Inputs to Intercropping in Oilpalm fields schemes for current year	Ha.	..	..	..	..	1600
iv	Inputs to Intercropping in Oilpalm fields schemes for 2nd year	Ha.	..	..	..	..	926
v	Inputs to Intercropping in Oilpalm fields schemes for 3rd year	Ha.	..	..	..	..	700
vi	Farmers training	Ha.	..	..	..	..	14
19	National Mission on Oil Seeds and Oil Palm (Mini Mission-III) Development of Tree Borne Oil seeds						
i	Area Expansion	Ha.					175
ii	Incentive for undertaking inter crops	Ha.					135
iii	Farmers Training	No.					1
	III.CENTRALLY SPONSORED SCHEMES						
20	Seed Village Scheme						
i	Distribution of Seeds -Paddy	M.T	4000	4323	4158.52	4304.439	4600
ii	Distribution of Seeds -Oilseeds	M.T	3500	2893	1992.05	1964.654	2000
iii	Distribution of Seeds -Pulses	M.T	2500	1952	1123.264	980.054	1500
iv	Distribution of Seeds Millets	M.T	250	221.95	186.14	143.542	200
v	Training	Nos	4000	4000	2000	2000	2300
vi	Construction of Seed Godown	Nos.	10	..	..	1	Work is under progress for the establishment of Seeds Processing Unit
vii	SPU Godown	Nos.	10	..	..	2	
21	COCONUT DEVELOPMENT BOARD SCHEMES (100%)						
(i)	Integrated Farming in Coconut holdings for Productivity Improvement						
a	Laying of demonstration plots (Maintenance)	Ha.	691	681	239	239	350
b	Laying of demonstration plots (New)	Ha.	250	239	350	350	650
22	Micro Irrigation system for Agricultural crops	Ha.	20000	7807	26100	10503	37650

PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
23	NATIONAL AGRICULTURAL DEVELOPMENT PROGRAMME(RKVY)						
i	Precision Farming for Agriculture crops	Ha	2000	985	1270	1234	..
ii	Gypsum application for Groundnut	Ha.	50000	39692	50284	52089	..
iii	Coconut Seedling Distribution	L.Nos	7.65	4.124	6.224	6.209	6.00
iv	Tamil Nadu Women in Agri Business and Extension (TANWABE)	Women groups	7	6	..	..	..
v	Integrated Development of Pulses Villages in Rainfed Areas	Ha.	8000	8000	..	Not implemented in 2013-14	..
vi	Special Programme on Oilpalm Area Expansion	Ha	2500	1084	1500	926.52	..
vii	National Agriculture development programme- Paddy						
a	System of Rice intensification	Ha	50000	49858	5000	5000	
b	Custom hiring of farm machineries through SC/ST groups distribution of power tillers	BNos	385	385	0	0	
c	Distribution of Zinc sulphate	Ha	64914	1717	0	0	
d	Distribution of Certified paddy seeds	MT			10000	9380.574	6800
e	Popularisation of weedicides	Ha			24015	23872	20000
f	Distribution of Boom sprayer to farmers group	No					762
g	Distribution of Copper sulphate	ha					12000
h	Popularisation of mechanised transplattation	ha					16950
	Unspent balance						
i	SRI demonstration	ha	635	613	84761	83878	
ii	Distribution of Zinc sulphate	ha	29.8	29.8			
iii	Ploughing subsidy	ha			2000	2000	
	Samba special package						
i	Ploughing for Paddy direct sowing	acre	250000	237451			
ii	Subsidy for high yielding variety Paddy seeds	acre	250000	130221			
iii	Distribution of weedicides	acre	100000	80825			
iv	Community Nursery	acre	10000	10037			
v	Basal application of chemical fertiliser	acre	250000	84709			
vi	Distribution of Zinc Sulphate	acre	112500	112700			
vii	Distribution of Gypsum	acre	112500	30483			
viii	Distribution of Micro Nutrient Mixture (ha)	acre	156250	91019			
ix	Distribution of Bio-fertilizer	acre	250000	167436			
x	Diesel subsidy	acre	250000	207125			
xi	HDPE/LDPE pipes distribution (units)	acre	6000	5422			

PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
	Kuruvai package						
i	Bio-pesticide	acre	...	...	100000	100000	
ii	MN mixture	acre	...	...	100000	100000	100000
iii	Bio-fertilizers	acre	...	...	100000	100000	50000
iv	Gypsum	acre	...	...	33000	33000	60000
v	Liquid bio fertilizer	acre	...	...			50000
vi	Zinc sulphate	acre	...	...			100000
vii	Community nursery	acre	...	...			1500
8	INSIMP						
i	Demonstraion	Ha.	23000	25598.7	7300	7391	The Scheme is not under implementation
ii	Minikits	Nos.	23000	12754	7300	6606	
iii	Technical Assistants (TA)	Nos.	52	43	16	13	
iv	Trainings Unit	Nos.	52	52	16	16	
v	Seed Production	Nos.	3000	1937.6	650	607.41	
vi	Awareness campaign						
a.	State level seminar	Nos.	1	1	..	..
b.	District level seminar and foodmela	Nos.	15	14	5	5	
vii	Setting up of preprocessing unit	Nos.	25	25	..	..
9	RADP in Agriculture Crops						
i	Cropping System Based Demonstration	Ha.	11500	11400	7900	7890	Merged with National Mission on Sustainable Agriculture
ii	Establishment of Vermi Compost Units	Nos	1070	1086	755	753	
iii	Distribution of Mobile Sprinkler and Rainguns	Nos	460	338	..	..
iv	Crop Insurance	Ha.	..	..	..	..
v	Seed Production	Ha.	..	..	..	..
vi	In-situ Moisture conservation	Ha.	..	..	7900	7882	
vii	Distribution of Tarpaulin at Rs.4000/Unit		..	..	2927	2973	
10	Improvement of soil fertility						
i.	Procurement and distribution of Green Manure Seeds at 50% subsidy	MT	1060	1056	..	..	..
ii.	Hiring cost of Rotovators	Ha.	21200	800	..	..	..
iii.	Establishment of Vermi Compost Units	Nos.	1300	1297	..	..	..
iv.	Distribution of Water conveyance Pipe	Nos.	..	..	679	708	..
11	Programme on pulses mission	Ha.					
A.	Popularisation of Redgram Transplantation						
a	Demonstration in transplantation of Redgram @ 100% subsidy Rs 7500/Ha	Nos/Ha	2000	2001	5000	5000	5000

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
b	Incentive to Redgram transplantation @ 50% subsidy Rs 7500/Ha	Ha.	9760	9752	15000	15000	10000
c	Farmer's Training @Rs.10000/Training	Nos.	..	..	600	600	200
d	Increasing of Area and production through bund cropping	Ha.	..	..			5000
e	Promotion of varieties having Synchronised maturity @ 50% subsidy at Rs.50/Kg	Mt	..	..	2	0.051	..
B	Enhancement Of Pulses Production						
a.	seed subsidy to farmers @ Rs.15/Kg	Mt	3000	3135.539	4000	2916	2000
b.	Supply of Turbo Happy Seeder @ 100% Subsidy Rs.125000	Nos	..	..	7	0	-
C.	Water saving equipments						
a	Pipes Carrying water @ 50% subsidy Rs 15000/No	Nos.	2000	1913	..	..	..
b	Distribution of Rain gun and installation charges @ 50% subsidy Rs 12500/No	Nos.	200	153	..	..	..
c	Distribution of Mobile Sprinkler @ 50% subsidy Rs 8500/No	Nos.	200	159	..	..	..
D.	INM for Pulses						
a.	Foliar spraying of DAP 2 % for pulses @ Rs 800/Ha(Rs 500/Ha + 50% of spraying cost (Rs 300))	Ha.	80000	70067	..	..	20480
E.	Post harvest technology and value addition						
a	Distribution of Tarpaulin @ 50% subsidy Rs 4000/No	Nos.	2000	2046	5000	5198	2500
b	Pulses – Mini Dhal Mill @ 100% subsidy Rs 160000/No	Nos.	18	15	..	..	..
F.	Evaluation of Pigeon Pea varieties and Hybrids with ICRISAT	Nos.	200	..	..	..	..
12	Programme on Groundnut Mission (Oil Seeds Mission)						
i	Distribution of Polythene mulch	Ha.	300	177	..	..	..
ii	Distribution of Biofertilizer	Ha.	10000	15639	14137	25719	10000
iii	Distribution of M.N.Mixture	Ha.	10000	9510	13206	14137	..
iv	Distribution of Weedicides	Ha.	10000	10166	10521	10210	..
v	Supply of Pheromone traps	Nos.	10000	11313	14854	23992	..
vi	Supply of light traps	Nos.	10000	8927	7109	6590	..
vii	Distribution of Bio pesticide	Ha.	10000	10571	11840	12864	..
viii	Distribution of Tractor drawn seed drill	Nos.	50	34	65	46	100
ix	Distribution of Manual weeder	Nos.	400	267	1903	3549	..
x	Distribution of Groundnut Harvester	Nos.	20	10	28	12	..
xi	Distribution of Groundnut stripper	Nos.	50	30	68	40	..
xii	Distribution of Groundnut decorticator	Nos.	100	66	80	132	..
xiii	Gypsum Application for Groundnut decorticator	Ha.	50000
xiv	Pipes Carrying Water	Nos.	1500

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
xv	Application of Pusa Hydrogel	Ha.	..	..	..	..	480
xvi	Distribution of Tarpaulins	Nos.	..	..	..	..	2500
13	Programme on Millet Mission						
a	Popularization of Millet cultivation except maize	Ha.	..	..	17800	18056	11500
b	Distribution of Millet Seeds except maize	MT	..	..	139	80.4	46
c	Precision farming on Maize (Distribution of inputs)	Ha.	..	..	100	100	0
d	Emulation of model plot in maize	Nos.	..	..	..	..	758
e	Cropping system based training/Training to farmers	Nos.	..	..	60	56	100
14	OILPALM AREA EXPANSION						
i)	Distribution of Planting Material		2500	1084	1500	926.52	..
ii)	Assistance for cost of cultivation during gestation period						
a.	Maintenance subsidy - First Year		2500	1084	1500	926.52	..
b.	Maintenance subsidy - Second Year		2209.98	1630.44	1084	756.34	..
c.	Maintenance subsidy - Third Year		..	..	1620	1085.04	..
iii)	Supply of Drip Irrigation systems		32	67	1500	361	..
iv)	Supply Diesel/ Electric Pumb set for drip system		50	46	1500	1490	..
v)	Inputs to Intercropping in Oilpalm fields schemes for current year		100	109	750	515.47	
vi)	Inputs to Intercropping in Oilpalm fields schemes for 2nd year		..	..	600	494.33	
vii)	Inputs to Intercropping in Oilpalm fields Schemes for 3rd year		..	..	1067	858.82	
viii)	Assistance for INM, IPM, Fertigation, PP Chemicals and Tree guard etc for current year		1500	835	1500	750.22	
ix)	Assistance for INM, IPM, Fertigation, PP Chemicals and Tree guard etc for 2nd year		..	..	1084	702.44	
x)	Assistance for INM, IPM, Fertigation, PP Chemicals and Tree guard etc for 3rd year		..	..	1620	1025.96	
xi)	Construction of Vermi compost units at Oilpam field		12	18	138	119	
xii)	Subsidy for borewells at Oilpalm farm		112	86	83	77	
15	Production of Farm Yard Manure by Enriching Farm Waste		4500	4492	..	..	..
16	Production of Audio Video programmes	Nos.	25	25	..	..	..
17	Strengthening of existing 5 BFPU for the production of liquid bio fertiliser	Nos.	5	..	5	5	..
18	NABL accreditation to 2 SPTLs and construction of buildings for 6 PTLs	Nos.	6	..	6	6	..

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
19	Development and strengthening of Seed infrastructure facilities						
	i. Establishment of State seed processing unit	Nos.	25	Work is under progress for the Establishment of Seed Processing Unit & Purchase of Machineries	..	10	Work is under progress for the Establishment of Seed Processing Unit & Purchase of Machineries
	ii.Machineries & Equipment	Nos.	25	..	10		
20	Uzhavar Peruvizha	Districts	30	30	30	30	..
21	Value added Agricultural Information Services to the farmers through mobile phone	Nos.	...	2793000	..	5230000	30000000
22	Distribution of Copra Driers	Nos	50	20	30	15	..
23	Promotion of DxT Coconut Seedlings by out sourcing	Lakh nuts	0.80	0.08	0.72	0.72	..
24	Improving the infrastructural facilities of State Coconut Nursery	Nos	4	4	20	20	..
25	Distribution of Pulses and Oilseeds minikits to Thane Cyclone affected Coconut garden in Cuddalore and Villupuram Districts						
	a. Input to Coconut Seedling	L.Nos	2.10	2.10	2.10	2.10	2.10
	b.Oilseed Minikit distribution	Nos.	..	..	8527	8527	..
	c.Pulses Minikit distribution	Nos.	8527	8527	..	..	..
26	Replanting of Coconut Seedlings in Thane Cyclone affected Coconut garden of Cuddalore and Villupuram District	Lakh Seedlings	2.106	2.106	..	..	..
27	Bringing Fallow lands under cultivation	Ha.	..	..	40	40	..
28	Promotion of Organic Cultivation through quality organic inputs	Nos.	..	..	..	..	2
29	Augumentation of liquid bio-fertilizers	Nos.	..	..	..	..	10
30	Upgradation of 15 bio fertilizer production unit for the production of new biofertilizers	Nos.					15
31	Sustainable Sugarcane Initiative	Ha.	3000	2780	20000	7522	5000
32	Enrichment of Soil Fertility through Sugarcane Trash Mulching	Ha.	..	..	5000	4998	10000
33	Increasing the Production and Productivity of Cotton						
	i.Distribution of MN Mixture	Ha.	20000	17819	9000	6752	..
	ii.Distribution of Bioagents	Ha.	25000	21140
	iii.Distribution of Cotton "C"Seed	Qtl	500	285	550

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
	iv.Procurement of Cotton "C" Seed	Qtl	500	483	300	206	400
	v.Procurement of Cotton "F"Seed	Qtl	..	..	150	342	150
	vi. INM and IPM Plots	Ha	..	..	10000	..	..
	vii.Precision farming in Cotton	Ha.	..	..	500	..	..
	viii.Distribution of Power Sprayers	No.	..	..	500	..	..
	ix.Distribution of Power Sprayers (Battery operated)	No.	..	..	500	..	..
	x.Distribution of Cotton Picking Machine	No.	..	..	100	59	..
	xi. Compact block Demonstration	Ha.	..	..	..	..	200
	xii. Agronomic Management Practices	Ha.	..	..	..	..	15640
	xiii. Distribution of Machineries and implements	Nos	..	..	..	..	2549
34	Study on commodity potential in TN Agriculture Vision 2023	Districts	32	15	17	17	..
24	National Food Security Mission - Rice						
	i Cluster Demonstration on Direct seeded Rice/line transplanting/SRI(one cluster of 100 hectare) Target 1.5% of Area of District	Nos	2650	2650	4000	4000	7000
	ii Cluster Demonstration on Hybrid Rice(one cluster of 100 hectare) Target 0.5% of Area of District	Nos	1590	1590	3000	3000	2000
	iii Support for Promotion of Hybrid Rice						
	a. Assistance for distribution of Hybrid Rice Seed	Qtls	175	172.06	118	82.5	300
	iv Assistance for distribution of HYVs Seeds	Qtls	152730	151078	121500	125060	72700
	v Incentive for Micro Nutrients	Ha.	25500	25123	34159	35303	25000
	vi Incentive for Cono Weeder and other farm implements	Nos	2675	2709	..	..	..
	vii Assistance for Plant Protection Chemical and Bio agents	Ha.	25000	25340	38000	38230	25000
	viii Incentive for Pumpsets	Nos	5001	5001	3147	3128	3000
	ix Distribution of Rotavator	Nos	235	212	355	355	275
	x Distribution of Power operated cono weeder	Nos	170	170	229	229	40
	xi Distribution of Knapsack Sprayer	Nos	4800	5008	4000	4208	2000
	xii Paddy thresher		..	..	..	..	20
	xiii Cropping system based trainings (Four sessions, One before Kharif, one each during kharif & Rabi and one after Rabi harvest).	Nos.	200	194	345	345	108
	xiv Demonstration on Swarana sub 1	Nos.	..	..	..	..	600
	xv Cropping system based demonstration	Nos.	..	..	..	..	2880
	xvi Transplanter	Nos.	..	..	..	..	10
	xvii Miscellaneous Expenses						
	a.Project Management Team and other miscellaneous expenses at District level	No. of Dist.	5	5	5	5	5

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
	b.Project Management Team and other miscellaneous expenses at State level	No. of Dist.	0	0	1	1	1
xviii	Local Initiatives						
	a.Community Nursery	Ha.	140	134	..	..	600
	b. Distribution of Nursery raising Machine	Nos.	10	4	106340	106340	..
	c.Distribution of Trays	Nos.	2000	800	..	..	..
25	National Food Security Mission - Pulses						
	A Distribution of Certified Seeds						
	i)for varieties less than 10 years	Qtl.	4500	1372	6000	4167	20540
	ii)for varieties more than 10 years	Qtl.	13500	7861	15000	11135	..
	B Demonstrations on improved technologies						
	a.Cluster Demonstrations(of 100 ha each) on inter cropping / improved varieties / farm implements like Ridge furrow makers./ seed drills	Ha.	10000	9398	11500	11600	7900
	(b)Cropping system based demonstrations Rs.12500/Ha	Ha.	..	..	..	..	2036
	C. Integrated Nutrient Management:						
	(a) Lime/Gypsum	Ha.	4000	3338	12900	23804	6000
	(b) Micro-nutrients	Ha.	6000	5441	10000	12771	5000
	(c)Assistance for Rhizobium Culture	Ha.	30000	25951	50625	50875	10000
	D Integrated Pest Management (IPM)						
	(a)Integrated Pest Management (IPM)-package	Ha.	10000	9557	7000	6477	..
	(b)Distribution of PP Chemicals	Ha.	10000	9112	5000	7018	11000
	(c)Distribution of NPV	Ha.	1000	1413	4400	4100	..
	(d) Distribution OF weedcides	Ha.	2000	1839	10000	9264	11000
	E Resource Conseration Technologies/Tools						
	(a)Distribution of Knapsack sprayers	Nos.	500	568	1000	1149	..
	(b)Distribution of Rotavators	Nos.	300	284	500	400	170
	(c)Distribution Of Seed drill	Nos.	..	..	450	22	100
	(d)Distribution of zero till seed drill	Nos.	..	..	..	..	100
	(e)Distribution of multicrop Planter	Nos.	..	..	..	..	100
	F Efficient water Application Tools						
	(a)Incentive for Pump sets	Nos.	300	219	420	194	250
	(b)Pipes carrying water	Nos.	960	1044	1000	873	600

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
	(c)Distribution of Mobile sprinkler/Raingun	Nos.	700	441	500	307	500
	d) Distribution of Sprinkler	Nos.	130	116	130	95	200
G	(a)Cropping system based trainings(Four sessions., One before Kharif, one each during Kharif & Rabi and one after Rabi harvest.)@Rs.14000/training	Nos.	200	191	300	294	100
H	Local Initiatives						
i	Tarpaulin	Nos.	..	..	3070	2971	..
ii	Distribution Pusa hydrogel	Ha.	..	..	16665	9314	6300
iii	Pulse Wonder	Ha.	..	..	3000	746	..
I	A3P NFSM Pulses	Ha	12000	12000	16200	16300	..
	Additional Area coverage -NFSM Pulses						
i	Distribution of Certified Seeds more than 10 Years	Qtis.	20000	3041	..	..	..
ii	Cluster Demonstrations(of 100 ha each) on inter cropping / improved varieties / farm implements like Ridge furrow makers./ seed drills	Ha.	..	..	17801	17593	
iii	Micronutrients	Ha.	10000	5752	15000	16621	
iv	Gypsum	Ha.	10000	3956	..	..
v	Assistance for Rhizobium Culture	Ha.	..	..	25000	22340	
vi	Integrated Pest Management (IPM)						
	(a)Integrated Pest Management (IPM)-package	Ha.	10000	4571	10000	9701	
	(b)Distribution of PP Chemicals	Ha.	..	..	2000	3560	
	(c)Distribution of NPV	Ha.	..	..	1000	921	
vii	Resource conservation Technologies						
	(a)Distribution of Rotavators	Nos.	..	..	100	71	
	(b)Distribution of Knapsack sprayers	Nos.	..	..	1500	1299	
viii	Efficient water application tools						
	(a)Incentive for Pump sets	Nos.	..	..	200	168	
	(b)Assistance for pipes carrying water	Nos.	..	..	1000	812	
	(c)Distribution of Mobile sprinkler/Raingun	Nos.	..	..	250	200	
	(d)Distribution of sprinkler sets	Ha.	..	..	250	187	
ix	Accelerated Pulses Production	Ha.	..	..	1400	1300	
26	NFSM Coarse Cereals						
i	Cluster Demonstration of improved package	Ha.	13390

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
	ii Distribution of Certified Seeds						
	a. Hybrids	Qtl					200
	b. High-Yielding Varieties	Qtl					1250
	iii Local Initiatives						
	Digging of Farm ponds (5x5x1.5 mtrs) and installation of portable mobile sprinkler	Nos.					232
27	National Food Security Mission - Commercial Crops						
A	Cotton						
	a. Front Line Demonstration on integrated crop management	Ha.					100
	b. Desi and ELS cotton (Desi and Seed Production)	Ha.					70
	c. Inter Cropping	Ha.					30
	d.Trials on High Densty Planting system	Ha.					170
B	Sugarcane						
	a. Demonstration on inter cropping with sugarcane	Ha.					365
	b. State Level training	Nos.					2
	IV.EXTERNALLY AIDED PROJECT						
28	TN IAMWARM						
	i Crop Demonstrations	Ha.	34282	32718	6777	4811	10000
	ii Other Demonstrations / IEC activities / Training	Ha.	21421	21296	9998	7198	523
	iii Agriculture Implements Distribution	Nos.	40097	40363	4355	4355	..
	iv Seed Village Programme	Ha.	299	269	..	..	..
	V. NON-PLAN SCHEME						
29	STATE SEED FARMS						
A.	Machineries, Equipments & Implements						
i	Generator	Nos.	32	..	32	..	Revalidation proposal sent to Govt.for incurring of expenditure
ii	New Platform scale	Nos.	25	..	25	..	
iii	Dunnage	Nos.	2465	..	2465	..	
iv	Vaccum Cleaner	Nos.	32	..	32	..	
v	Advertisement						
B.	Irrigation facilities						
i	Provision of Water saving devices	Nos.	15	15	..	..	..
ii	Provision of lining to irrigation	Nos.	..	..	..	..	..
iii	Provision of pipes	Mtr	60000	60000	7900	7900	..
iv	Construction of Open / Borewell	Nos.	2	2	..
C.	Civil Works						

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
	i Repairing of Thrashing floor	Nos.	54	54	..	..	..
	ii Fencing	Met	33305	33000	..	..	..
	iii Repairing of Storage Godown	Nos.	70	66	..	..	..
	iv Lights around farm	Nos.	372	332	..	..	..
	v Machineryshed	No	41	40	..	..	..
	vi Farm Road	Mtr	5000	3800	..	..	..
	D. Other Works						
	i Maintenance of Vermicompost Units	Nos.	18	18	..	..	..
	ii New Vermicompost Units	Nos.	23	23	..	..	..
	E. Provision of Solar Pumpset	Nos.	30	..	10	10	..
30	Seed Production in the State Seed Farms						
	(Particularly foundation seed)						
	i Paddy	M.T.	1300	967	1500	1422.34	2862
	ii Millets	M.T.	50	23	50	28.87	83
	iii Pulses	M.T.	120	27	120	17.38	452
	iv Oilseeds	M.T.	100	32	100	28.65	342
	v Cotton	M.T.	5	1	5	1.05	..
31	Integrated Coconut Development Programme						
	A. Procurement of Seed nuts						
	i Tall	L.No.	6	6.431	6	5.669	6
	ii Tall x Dwarf	L.No.	7	6.291	7	6.242	7
	iii Dwarf x Tall	L.No.	0.5	0.446	0.5	0.476	0.5
	B. Distribution of Coconut Seedlings						
	i Tall	L.No.	4.5	4.34	4.5	4.792	4.5
	ii Tall x Dwarf	L.No.	4.9	5.219	4.9	4.423	4.9
	iii Dwarf x Tall	L.No.	0.175	0.059	0.175	0.105	0.175
32	Integrated Sugarcane Development Scheme						
	i Area Coverage	Ha.	350000	382500	360000	332470	360000
	ii Release of parasites	Ha.	11000	8575	11000	10570	11000
33	Integrated Cotton Development Scheme						
	i Area Coverage under improved varieties	Ha.	150000	134500	155000	152350	170000
	ii Seed Multiplication Scheme						
	a.Certified Seed Production	MT.	100	40	100	34.5	100
	b.Certified Seed Distribution	MT.	100	40	100	34.5	100
34	Farmers Training Centre						
	i Village Based Training	Nos.	484	484	484	484	484

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PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2012-2013		2013-2014		2014-2015
			Target	Achievement	Target	Achievement	Target
	ii Village Based Training for Convenor	Nos.	220	220	220	220	220
	iii Peripatic Demonstration	Nos.	2420	2420	2420	2420	2420
	iv Method Demonstration	Nos.	968	968	968	968	968
	v Kissan Mela	Nos.	22	22	22	21	22
	vi Prize to farmers	Nos.	330	330	330	315	330
	vii Farmers Tour	Nos.	22	22	22	22	22
	viii Postage & Advertisement	Nos.	22	22	22	22	22
35	State Agricultural Extension Management Institute,						
	Kudumianmalai (STAMIN)						
	i Computer Training	Nos.	5	5	16	16	20
	ii Management Training	Nos.	3	3	5	5	10
	iii Office Administrative Training	Nos.	2	2	9	9	8
	iv AAOs Induction Training	Nos.	15	15	..	..	..
	v AOs- induction Training	Nos.	..	..	14	14	..
	vi ISOPOM - Oil seeds training	Nos.	30	30	30	30	..
	vii Technical Officers Training	Nos.	..	..	..	..	16
	viii Water Management Training Institute(Training)	Nos.	30	30	30	28	30
36	LABORATORIES						
	i Soil Testing Labs	L.Nos	40.64	13.59	57.8	47.89	11.26
	ii Mobile Soil Testing Labs						
	iii Bio-Fertilizer Production Units	M.T	3850	1950	3850	2856.17	3000 Mts. 2.5 Lakh Litre
	iv Pesticides Testing Labs	Nos.	21850	18136	21850	21572	21850
	v Fertilizer Testing Labs	Nos.	17500	16540	17500	17899	17500
	vi Micro nutrient Mixture Scheme	MT	1400	1392	1600	1409	2400
37	ORGANIC FARMING						
	i Production and Distribution of Blue Green-Algae	M.T	525	493.68	525	523.5	525
	ii Procurement and Distribution of Green Manure Seeds at 50% subsidy	M.T.	250	220.945	250	207.04	250
	iii Composting of Farm Waste through Pleurotus	Kits	5000	5000	5000	4962	5000
	iv Production and Distribution of Azolla	M.T	500	510.65	500	503.20	500
38	Soil Survey and Land Use Organization	L.Ha.	0.99	0.4155	0.99	0.4176	0.99

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**TABLE 2
FINANCIAL REQUIREMENT (Major Head wise)**

(Rs. in thousands)

Sl. No.	Head of Account	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
		Plan	Non-Plan	Centrally Sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	DEMAND NO.5															
I	REVENUE															
	2059-Public Works	0	21000	0	0	21000	0	21000	0	0	21000	0	21000	0	0	21000
	2202-General Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2401 - Crop Husbandry	8127068	28271982	347679	401680	37148409	8210557	29531462	227920	211085	38181024	8840173	31004688	206322	195427	40246610
	2402-Soil & Water Conservation	2	274007	0	74750	348759	2	308673	0	5004	313679	2	314300	0	4	314306
	2415-Agril. Res. & Education	54581	6937	0	0	61518	54581	10825	0	0	65406	56147	7200	0	0	63347
	2435-Other Agril. Programmes	0	78997	0	0	78997	0	71510	0	0	71510	0	77466	0	0	77466
	2501-Rural Development	0	0	0	176846	176846	0	0	43367	441989	485356	0	0	1	480000	480001
	2551-Hill Areas	1	0	0	0	1	1	0	0	0	1	1	0	0	0	1
	2852-Consumer Industries Sugarcane Farms	0	0	0	0	0	0	25	0	0	25	0	0	0	0	0
	Total	8181652	28652923	347679	653276	37835530	8265141	29943495	271287	658078	39138001	8896323	31424654	206323	675431	41202731
	DEMAND NO.5															
IV.	CAPITAL OUTLAY															
1	4401-Capital Outlay on Crop Husbandry	657855		2042	1	659898	178386	0	39584	1	217971	6003	0	3690	1	9694
2	4402-Capital Outlay on Soil and Water Conservation	1		0	0	1	221400	0	0	0	221400	1	0	0	0	1
	TOTAL	657856	0	2042	1	659899	399786	0	39584	1	439371	6004	0	3690	1	9695

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**TABLE 3
FINANCIAL REQUIREMENT (Minor Head wise)**

DEMAND NO.5 - AGRICULTURE

Sl. No.	Head of Account	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
		Plan	Non-Plan	Centrally Sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	2059-Public Works															
	Maintenance and Repairs	0	21000	0	0	21000	0	21000	0	0	21000	0	21000	0	0	21000
	Total	0	21000	0	0	21000	0	21000	0	0	21000	0	21000	0	0	21000
	2202-General Education															
	Scholarships	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2401-Crop Husbandry															
1	Direction and Administration	46243	199951	0	0	246194	36702	180550	0	0	217252	20685	193665	0	0	214350
2	Foodgrain Crops	1201408		320059	108050	1629517	803588	0	180064	14285	997937	1201408	0	180064	10441	1391913
3	Seeds	361280	957516	0	0	1318796	361279	974849	0	0	1336128	374346	1019165	0	0	1393511
4	Agricultural Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Manures and Fertilizers	501100	5623	2	1	506726	60964	5301	2	1	66268	962	5681	2	1	6646
6	Plant Protection	16282	69357	1	0	85640	16300	60734	1	0	77035	16282	64805	1	0	81088
7	Commercial Crops	267317	87887	2	16287	371493	267317	80607	2	15656	363582	269240	8684	2	16657	294583
8	Extension and Farmer's Training	82838	2170848	1	50276	2303963	147591	1946471	0	38786	2132848	58867	2115591	0	40726	2215184
9	Crop Insurance	1399961	0	0	0	1399961	2705785	0	0	0	2705785	1443908	0	0	0	1443908
10	Development of Pulses	0	0	1363	0	1363	0	0	0	0	0	0	0	0	0	0
11	Development of Oilseeds	0	0	26251	146836	173087	0	0	26251	101766	128017	0	0	26251	106055	132306
12	Special Component Plan for SCs	2378513	0	0	77380	2455893	1956599	0	21600	30237	2008436	1946496	0	2	20281	1966779
13	Spl.Central Assistance for SC CP	0	0	0	2800	2800	0	0	0	1213	1213	0	0	0	1213	1213
14	Tribal Area Sub-Plan	65199	0	0	50	65249	16087	0	0	9141	25228	5517	0	0	53	5570
15	Other Expenditure	1806927	24780800	0	0	26587727	1838345	26282950	0	0	28121295	3502462	27597097	0	0	31099559
	Total	8127068	28271982	347679	401680	37148409	8210557	29531462	227920	211085	38181024	8840173	31004688	206322	195427	40246610

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Sl. No.	Head of Account	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
		Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2402	Soil and Water Conservation															
16	Soil Survey and Testing	0	274007	0	2	274009	0	308673	0	2	308675	0	314300	0	2	314302
17	Soil Conservation	1	0	0	74746	74747	1	0	0	5000	5001	1	0	0	0	1
18	Land reclamation and Development	1	0	0	2	3	1	0	0	2	3	1	0	0	2	3
18A	Special Component Plan for SCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Other Expenditure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	2	274007	0	74750	348759	2	308673	0	5004	313679	2	314300	0	4	314306
2415	Agricultural Research & Education															
01.	Crop Husbandry															
20	Research	54581	2859	0	0	57440	54581	2662	0	0	57243	56147	3110	0	0	59257
21	Assistance to other Institutions	0	4078	0	0	4078	0	8163	0	0	8163	0	4090	0	0	4090
22	Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	54581	6937	0	0	61518	54581	10825	0	0	65406	56147	7200	0	0	63347
2435	Other Agricultural Programmes															
01.	Marketing & Quality Control															
23	Marketing Facilities	0	67368	0	0	67368	0	61832	0	0	61832	0	67183	0	0	67183
24	Grading & Quality Control Facilities	0	11629	0	0	11629	0	9678	0	0	9678	0	10283	0	0	10283
25	Other Expenditure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	78997	0	0	78997	0	71510	0	0	71510	0	77466	0	0	77466
2501	Special Programme for Rural															
02.	Drought Prone Areas															
26	Special Component Plan for SCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26A	Other Expenditure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05.	Wasteland Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Special Component Plan for SCs	0	0	0	0	0	0	0	43367	1289	44656	0	0	1	0	1
27A	National Wasteland Development Programme	0	0	0	176846	176846	0	0	0	440700	440700	0	0	0	48000	48000
	Total	0	0	0	176846	176846	0	0	43367	441989	485356	0	0	1	48000	48001
2551	Hill Areas															
01.	Western Ghats															
28	Crop Husbandry	1	0	0	0	1	1	0	0	0	1	1	0	0	0	1
	Total	1	0	0	0	1	1	0	0	0	1	1	0	0	0	1
2852	Industries															
08-	Consumer Industries															
29	Sugarcane Farms Corporation	0	0	0	0	0	0	25	0	0	25	0	0	0	0	0
	Total	0	0	0	0	0	0	25	0	0	25	0	0	0	0	0
	Grand Total	8181652	28652923	347679	653276	37835530	8265141	29943495	271287	658078	39138001	8896323	31424654	206323	243431	40770731

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TABLE 4
FINANCIAL REQUIREMENT (Minor Head wise)

Sl. No.	Head of Account	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
		Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	13	14	15	16	7	8	9	10	11	12	13	14	15	16	17
	III. DEMAND NO.5															
	I. CAPITAL OUTLAY ON															
	CROP HUSBANDRY															
1	Seeds	637854	0	2042	0	639896	167446	0	39584	0	207030	1	0	3690	0	3691
2	Plant protection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Commercial Crops	0	0	0	1	1	0	0	0	1	1	0	0	0	1	1
4	Other Expenditures	20001	0	0	0	20001	10940	0	0	0	10940	6002	0	0	0	6002
	Total	657855	0	2042	1	659898	178386	0	39584	1	217971	6003	0	3690	1	9694
	II. CAPITAL OUTLAY ON SOIL AND															
	WATER CONSERVATION															
1	102. Soil Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	800 Other Expenditure	1	0	0	0	1	221400	0	0	0	221400	1	0	0	0	1
	Total	1	0	0	0	1	221400	0	0	0	221400	1	0	0	0	1

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**TABLE 5A
FINANCIAL REQUIREMENT (Object wise)**

(Rs. in thousands)

Sl. No.	Head of Account	Actuals for 2012-13	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
			Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
01. Salaries																	
	01. Pay	1472143	149	1788620	671	4368	1793808	61	1502949	0	6502	1509512	182	1563067	0	4155	1567404
	02. Medical Allowance	8081	2	9533	1	38	9574	1	7888	0	18	7907	2	7885	0	18	7905
	03. Medical Charges	1961	0	2818	4	11	2833	0	2100	0	6	2106	0	2000	0	6	2006
	04. Other Allowance	21471	17	23881	12	98	24008	3	21125	0	83	21211	15	21125	0	83	21223
	05. Interim Relief	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	06. HouseRentAllowance	84856	7	101467	106	322	101902	5	84355	0	285	84645	12	87729	0	285	88026
	07. Travel Concession	1149	0	1108	7	11	1126	0	1108	0	11	1119	0	1108	0	11	1119
	08. City Comp. Allowance	7682	0	9532	23	33	9588	0	6911	0	27	6938	0	7187	0	27	7214
	02. Wages	97225	1774	56328	1	5434	63537	1774	87000	1	5934	94709	1774	90000	1	5434	97209
03. Dearness Allowance																	
	01. Dearness Allowance	1034928	116	1351287	523	3407	1355333	54	1352654	0	3596	1356304	182	1563067	0	4155	1567404
	03. D.A.-Dearness Pay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04. Travel Expenses																	
	01. Tour TA	69507	20	81486	13	120	81639	140	81686	0	120	81946	20	81507	0	120	81647
	02. Transfer TA	441	0	646	3	4	653	0	646	0	2	648	0	646	0	2	648
	03. Fixed TA	7789	0	8349	0	0	8349	0	7347	0	0	7347	0	7347	0	0	7347
05. Office Expenses																	
	01. Telephone Charges	2774	2000	2000	0	4	4004	2000	2000	0	4	4004	2000	2000	0	4	4004
	02. Other Contingencies	132758	103546	9000	0	32	112578	257909	9000	0	240	267149	136	9000	0	166	9302
	03. Electricity Charges	14716	38	21576	0	2	21616	38	17500	0	9	17547	38	17500	0	3	17541
	04. Service Postage	3861	0	4100	0	0	4100	0	4100	0	0	4100	0	4100	0	0	4100
	05. Furniture	45	0	0	0	0	0	0	150	0	0	150	0	0	0	0	0

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(Rs. in thousands)

Sl. No.	Head of Account	Actuals for 2012-13	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
			Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
06. Rent																	
	01. Rent	8880	14	8914	0	0	8928	14	8914	0	0	8928	14	8914	0	0	8928
	02. Property Tax	7451	0	10931	0	0	10931	0	9190	0	0	9190	0	9193	0	0	9193
	03. Water Charges	142	0	612	0	0	612	0	565	0	0	565	0	619	0	0	619
	04. Lease for Lands	8568	0	26	0	0	26	0	53	0	0	53	0	0	0	0	0
	05. Others	0	0	1	0	0	1	0	1	0	0	1	0	1	0	0	1
	07. Publication	261	0	400	0	0	400	0	400	0	0	400	0	400	0	0	400
08. Advertising & Publicity																	
	01. Advt. Charges	65205	50540	1100	58	100	51798	28591	1100	63	1977	31731	1320	1100	63	1901	4384
	02. Exhibition	845	0	1700	0	0	1700	0	1700	0	0	1700	0	1700	0	0	1700
	03. Demonstration	345	780	0	1	0	781	300	0	1	0	301	301	0	1	0	302
	09. Others	1125	4628	0	0	0	4628	4453	0	0	0	4453	0	0	0	0	0
09. Grant-in-Aid																	
	01. Grants for Current Expenditure	161520	0	2521	0	0	2521	0	6732	0	0	6732	0	2521	0	0	2521
	02. Grants for capital Expenditure	4313	2	0	0	1	3	2	0	0	1	3	2	0	0	1	3
	03. Grants for specific Schemes	20475689	911105	24780800	250000	227123	26169028	532853	26282950	211367	490473	27517643	325003	27597097	150002	520728	28592830
10. Contribution																	
	02. Insurance Premium	51	0	235	0	0	235	0	235	0	0	235	0	235	0	0	235
	09. Others	0	0	5	0	0	5	0	4	26251	0	26255	0	4	0	0	4
11. Subsidies																	
	01. Ind. based subsidy	1981083	1770957	11000	26251	399367	2207575	1399948	11000	0	130342	1541290	3546002	11000	26251	124528	3707781
	02. General subsidy	757697	2049178	0	0	0	2049178	1270875	0	0	0	1270875	2000003	0	0	0	2000003

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(Rs. in thousands)

Sl. No.	Head of Account	Actuals for 2012-13	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
			Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
12.	Scholarship and stipend																
	09 Others	4908	1800	0	0	0	1800	29175	0	0	0	29175	1800	0	0	0	1800
16.	Major Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17.	Minor Works	37	0	50	0	0	50	0	50	0	0	50	0	50	0	0	50
18.	Maintenance																
	01.Periodical Maintenance	18592	0	21000	0	0	21000	0	21000	0	0	21000	0	21000	0	0	21000
	02 Special Maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04-Wages	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19.	Machinery&Equipemnt																
	01. Purchase	29227	142788	5386	3	1	148178	147056	5386	3	5001	157446	24503	5386	3	1	29893
	02.Renewal and replacement	20	0	47	0	0	47	0	43	0	0	43	0	47	0	0	47
	03. Maintenance	6128	3485	4200	0	32	7717	4100	5853	0	32	9985	0	4175	0	40	4215
21.	Motor Vehicles																
	01.Purchase	726	0	1	0	0	1	0	1	0	0	1	0	1	0	0	1
	02. Maintenance FV	1291	500	1033	0	100	1633	500	968	0	100	1568	500	1030	0	100	1630
	03.Hirecharges	1434	24969	0	0	0	24969	360	0	0	0	360	100	0	0	0	100
24.	Materials and Supplies	93097	58074	35109	0	30	93213	54114	35109	0	30	89253	45705	35109	0	35	80849
25.	Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.	Inter Account Transfers	11994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31.	Write Off and Losses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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(Rs. in thousands)

Sl. No.	Head of Account	Actuals for 2012-13	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
			Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
33.	Payments for Professional and Special Services																
	01.Pleaders fees	437	2	234	0	0	236	20	285	0	0	305	2	271	0	0	273
	02-Remuneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03-Special Service	4750	7623	0	0	1	7624	90457	0	0	1	90458	402	0	0	1	403
	04-PP&SS Contract Payment	2843	20000	885	0	0	20885	10433	1524	0	0	11957	12150	1531	0	0	13681
	09.Other payments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34.	Other Charges																
	01. Other items	-128	1	4	0	0	5	0	3	0	0	3	0	4	0	0	4
	02-Purchase/Books etc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42.	Service Commit. Charges	25510	20668	5176	0	0	25844	20518	8482	0	0	29000	19668	8482	0	0	28150
45.	Petrol, Oil & Lubricants	11362	5336	12959	0	750	19045	5672	11801	0	791	18264	8023	11801	0	811	20635
46.	Clothing, Tentage & Stores	501	0	647	0	0	647	0	647	0	5	652	0	647	0	5	652
47.	Stores & Equipments	-3581	0	542	0	0	542	0	542	0	0	542	0	542	0	0	542
49.	Festival Advance																
	01.Festival advance -Debit	17426	5	49095	20	200	49320	5	45970	0	135	46110	5	47000	0	180	47185
	02.Festival advance-Credit	-12509	-5	-49095	-20	-200	-49320	-5	-45970	0	-135	-46110	-5	-47000	0	-180	-47185
51.	Compensation																
	01.Claims under nofault liability-principal charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	02. Other Compensation	792890	2000000	2	0	0	2000002	3073847	11	0	0	3073858	2000000	2	0	0	2000002
59.	Prizes and Awards	2994	2944	448	0	1	3393	2709	448	0	1	3158	1915	448	0	1	2364

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(Rs. in thousands)

Sl. No.	Head of Account	Actuals for 2012-13	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
			Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
60.	T.A/D.A to Non-Official Member	0	0	36	0	0	36	0	35	0	0	35	0	36	0	0	36
64.	Lands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68.	Cost of Books/ Note Books/ Slates, etc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69.	Procurement of Agrl. Inputs	1156857	946697	253266	1	4100	1204064	1184498	315915	1	4400	1504814	875024	292286	1	5000	1172311
71.	Printing Charges	21791	0	0	0	2	2	1959	0	0	2	1961	0	0	0	2	2
72.	Training	131080	23752	4915	70000	7274	105941	30632	7022	33600	7375	78629	6475	4915	30001	7008	48399
73.	Transport Charges	40984	32100	11181	0	510	43791	31796	11181	0	710	43687	30096	11181	0	800	42077
76.	Computers Accessories																
	01 Purchase	1015	21521	1	1	0	21523	103755	1	0	0	103756	4	1	0	0	5
	02 Maintenance	2532	0	2675	0	0	2675	0	2675	0	0	2675	0	2675	0	0	2675
	03 Computer Stationery	2327	0	3150	0	0	3150	0	3150	0	0	3150	0	3150	0	0	3150
77.	Deduct Recoveries																
	01.Recoveries of FA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	02.Recoveries of over payments	-549	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03.Other recoveries	-14273	-25481	0	0	0	-25481	-25481	0	0	0	-25481	-7050	0	0	0	-7050
99.	Miscellaneous	0	0				0	0	0	0	0	0	0	0	0	0	0
	Total	28786275	8181652	28652923	347679	653276	37835530	8265141	29943495	271287	658078	39138001	8896323	31502822	206323	675431	41280899

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TABLE 5B
FINANCIAL REQUIREMENT (Object wise)

(Rs. in thousands)

Sl. No.	Head of Account	Actuals for 2012-2013	BUDGET ESTIMATE 2013-2014					REVISED ESTIMATE 2013-2014					BUDGET ESTIMATE 2014-2015				
			Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total	Plan	Non-Plan	Centrally sponsored	Shared between State & Centre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
I. DEMAND NO.5 AGRICULTURE																	
Capital outlay on Crop Husbandry																	
16.	Major Works	376274	657856	0	2042	1	659899	399786	0	39584	1	439371	6004	0	3690	1	9695
17.	Minor Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19. MACHINERY & EQUIPMENT																	
	01. Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Inter Accounts Transfers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Lands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	376274	657856	0	2042	1	659899	399786	0	39584	1	439371	6004	0	3690	1	9695

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2. HORTICULTURE AND PLANTATION CROPS

The holistic approach of the horticulture based farming system is a unique blend of Science, Technology, Art and Business. The day to day needs of the growing population is closely associated with horticultural practices. The change in the pattern of food emphasis focus on horticulture crops that is gaining much more importance in the global market. The Department covers a wide variety of horticulture crops under area expansion taking advantage of the State's climatic variability, to upscale the State towards nutritional security. The statistical figures also show an increase in the area, production and productivity. The estimated production for the year 2013-14 is 191.31 L.MT covering an area of 11.46 L.Ha with a productivity of 16.69 MT /Ha. Various schemes are in operation with the state and Government of India funds.

Policy Focus

- Achieving food security through doubling the production using hi-tech cultivation of horticulture crops.
- Tripling the income of the farmers through modern technologies.
- To increase the income level of the farmer through the cultivation of horticulture crops.
- Focus on Farmers' clusters.
- Thrust on Rainfed Area Development.
- Thrust on Post-harvest, market-led management Technology.

STRATEGIES FOR IMPROVING PRODUCTIVITY

- Area expansion
- Use of High yielding varieties and pedigree planting material.
- Canopy Management
- Micro-Irrigation with Fertigation
- Precision Farming.
- High density planting
- Protected cultivation
- Roof top Gardening
- Thrust on Rain fed farming
- Thrust on Integrated Farming System.
- Strengthening the production of Pedigree Planting materials and infrastructure development.
- Crop Insurance coverage
- Promoting soilless culture

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The different schemes of the Department of Horticulture and Plantation Crops are as follows.

State Plan Schemes

1. a) Integrated Horticulture Development Scheme
b) Horticulture Training Centers
2. Hill Area Development Programme
3. Urban Horticulture Development Scheme (Do it yourself kit)
4. National Agricultural Development Programme
 - Productivity Enhancement Programme for Horticulture Crops
 - Peri Metro Vegetable Cluster Development Programme.
5. National Crop Insurance Programme (NCIP)
6. Part II Schemes
 - Component I
 - Component II

Scheme implemented by TANHODA

- 1) Mission on Integrated Development of Horticulture
 - (a) National Horticulture Mission
 - (b) National Bamboo Mission
- 2) National Mission On Sustainable Agriculture
 - (a) On Farm Water Management through Micro Irrigation
 - (b) Rain fed Area Development
- 3) National Mission on Medicinal Plants
- 4) State Horticultural Farms
- 5) Tamil Nadu IAMWARM Project (Tamil Nadu Irrigated Agriculture Modernization and Water Bodies Restoration and Management)

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TABLE – 1

Area and Production of Horticultural crops in Tamil Nadu

for the year 2012-13, 2013-14 & 2014-15

(Area: L. Ha, Production: L.MT, Productivity : MT/Ha)

Sl.No.	Name of Crops	2012-13 (Provisional)			2013-14 (Estimated)			2014-15 (Programmed)		
		Area	Prodn.	Pty	Area	Prodn.	Pty	Area	Prodn.	Pty
1.	Fruits	3.10	67.00	21.62	3.29	73.70	22.43	3.45	81.07	23.50
2.	Vegetables	2.74	78.96	28.77	2.90	86.79	29.95	3.05	95.46	31.27
3.	Spices & Condiments	1.78	11.46	6.44	1.89	12.60	6.69	1.98	13.87	7.01
4.	Plantation Crops	2.75	11.97	4.34	2.92	13.16	4.51	3.07	14.48	4.72
5.	Flowers	0.29	3.12	10.92	0.31	3.44	11.12	0.32	3.78	11.65
6.	Medicinal & Aromatic Plants	0.15	1.47	9.73	0.16	1.62	9.91	0.17	1.78	10.38
	Total	10.81	173.98	16.09	11.46	191.31	16.69	12.04	210.44	17.47

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TABLE – 2

State Plan Schemes Physical and Financial Target and Achievement

The financial allocation for the year 2013-14 with the expenditure details incurred and the proposed outlay for the year 2014-15 for the State Plan Schemes are as below:

(Physical : Ha. Finance: Rupees in lakhs)

Sl. No.	Name of the Scheme	Unit	2013-14				2014-15	
			Physical		Financial		Physical	Financial
			Target	Achmt.	Target	Achmt.	Target	Target
1.	Integrated Horticulture Development Scheme	Ha.	24625	20238	492.500	485.700	22000	492.500
2.	Horticulture Training Centre (HTC)	Nos.	2500	2500	7.500	7.500	2500	7.500
3.	Hill Area Development Programme	Ha.	900	900	254.790	254.790	900	260.000
4.	Urban Horticulture Development Scheme (Do it your Self Kit)	Nos.	15565	4968	500.000	300.393	28300	500.000
5.	National Agricultural Development Programme	Ha.	7248	5277.20	3372.830	3152.288	13896	5087.767
6.	National Agricultural Insurance Scheme	Number of farmers	45000	14488	950.000	709.880	0	0.000
7.	Modified National Agricultural Insurance Scheme			6348		14.900	0	0.000
8.	Weather Based Crop Insurance Scheme	Number of farmers	8000	771	52.510	6.950	0	0.000
9.	National Crop Insurance Scheme	Number of farmers	-	-	-	-	49500	4000.000
10.	Part - II Schemes	Number of Projects	3	3	170.000	138.000	4	135.130
	TOTAL				5800.130	5070.401		10482.897

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TABLE – 3
PROGRESS OF SCHEMES IMPLEMENTED BY TANHODA
(Physical : Ha. Financial : Rupees in lakhs)

Sl.No.	Name of the Scheme	Unit	2013-14				2014-15	
			Physical		Financial		Physical	Financial
			Target	Achmt.	Target	Achmt.	Target	Target
1	Mission on Integrated Development of Horticulture	Ha.	10215	10215	9675.232	9097.390	15870	12700.000
a	National Horticulture Mission							
b	National Bamboo Mission	Ha.	-	-	-	-	310	186.029
2	National Mission on Micro Irrigation	Ha.	22700	39780	17775.000	16792.000	-	-
3	National Mission on Sustainable Agriculture	Ha.	-	-	-	-	34373	24290.000
a	Micro Irrigation under On Farm Water Management							
b	Rain fed Area Development							
4.	National Mission on Medicinal Plants	Ha.	7480	7480	1026.939	1026.939	8272	1323.075
5.	State Horticulture Farms	Lakhs Nos.	189	179	1986.861	1616.450	200.24	2079.430
6.	Tamil Nadu IAMWARM	Ha.	7500	7408	1350.590	1314.241	-	-
	TOTAL				31814.622	29847.020		41620.199

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3. AGRICULTURAL ENGINEERING

1. Introduction

The Agricultural Engineering Department is implementing various schemes to prevent land degradation and to improve the soil moisture regime for better crop growth, to improve water use efficiency by judicious use of irrigation water, to generate more income per drop of water, to augment ground water potential by harvesting rain water, to improve the farm power available in the State by promoting newly developed farm machinery in agriculture. The department is also implementing the custom hiring of agricultural machinery to farmers for taking up the Minor Irrigation and Land Development activities.

2. Soil and Water Conservation

Soil and water conservation programmes are implemented in River Valley Catchments, Hill areas, Western Ghat areas with the main aim of controlling soil erosion for protecting the agricultural lands from degradation and to conserve soil fertility by improving soil moisture regime for sustainable increase in agricultural production. Rain water harvesting structures such as farm ponds, check dams, percolation ponds, new village tanks, Ooranies are constructed for improving the ground water potential.

3. Water Management

Command Area Development and Water Management Programme is being implemented with farmers participation in various commands in the state with an aim of improving the water use efficiency and ensuring equity distribution of water among the farmers. At present, the programme is being implemented in the following commands namely; Vaigai Project, Kodaganar reservoir Project, Varadhamanadhi Reservoir Project, Kalingarayan Anaicut Project, Manimuktha Nadhi System, Cheyyar Anaicut System, Ellis Anaicut Project and Pelandurai Anaicut Project .

The scheme of Irrigated Agriculture Modernization and Water bodies Restoration and Management (TN IAMWARM) Project is being implemented with the assistance from World Bank with an aim of increasing the agricultural Production and farm power infrastructure in canal irrigated areas of Tamilnadu. The following components are carried out under IAMWARM scheme.

- Installation of Micro Irrigation Systems in sub-basin area with an aim to increase the irrigation efficiency
- Construction of farm ponds in the sub-basin area to conserve the rain water
- Construction of Water Harvesting Structures to recharge the ground water

4. Agricultural Mechanization

The Agricultural Mechanization is the need of the hour to face the challenge of labour shortage in agricultural sector. Migration of farm labourers from rural to urban areas for other works is a common phenomenon in Tamil nadu. Farm mechanization has been helpful to bring about significant improvement in agricultural productivity by reducing the labour problem.

With a view to popularize the use of improved Agricultural Machinery among the farming community, demonstration of newly developed agricultural machinery and implements is taken up by conducting extensive field demonstrations at farmer's fields. In order to increase production, productivity and income of the farmers, trainings on new technology components are imparted to the various levels of man power engaged in the field of Agricultural Mechanization.

Formation of farmers group including free package of machinery and training programmes to farmers for handling and maintenance of farm machinery has been launched during the year 2012-13. This scheme aims at timely land preparation, qualitative agricultural operation, reduced labour cost, time saving and diminishing drudgery.

To sustain agricultural productivity with life saving supplemental irrigation, using the rain water stored in the farm ponds, a portable irrigation system comprising of Diesel Engine Pumpset with Raingun / Portable Sprinkler Irrigation system capable of covering 1.00 Ha per day is being procured by the Agricultural Engineering Department and rent the Irrigation systems to the farmers at nominal hire charges.

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Solar chilli driers are promoted in major Chilli growing districts to get quality produce without impairing colour and pungency thereby help the farmers realize better price through exports and selling quality produce in premium markets.

Onion Storage structures (Natural air ventilated) are provided in major onion growing districts to minimize storage losses and quality deterioration of onions arising in Conventional storage and to help farmers get increased income as the price of onion is enhanced after the storage period.

Provision of Solar PV pumping System with automatic tracking facility to the individual farmer's field and linking it with Micro irrigation system. To provide secured uninterrupted power supply during day time to the farmers for meeting their irrigation needs and to improve the water use efficiency by way of Micro irrigation.

Revival of Agriculture in fallow land: Soil and Water Conservation works namely Land Levelling, Contour bunding / Compartmental bunding and Land development work of chisel ploughing are being taken up in fallow lands and bringing back for cultivation by increasing the area .

Schemes implemented by the Agricultural Engineering Department;

1. Soil and Water Conservation in the catchments of River Valley Project.
2. Agricultural Mechanization Programme.
3. Command Area Development and Water Management Programme of Accelerated Irrigation Benefit Programme.
4. Demonstration of Agricultural Implements / Machinery.
5. Training programme to farmers in the field of Agricultural Mechanisation
6. Soil and Water Conservation under Hill Area Development Programme.
7. Rain water harvesting and Run off management programme.
8. World Bank aided Tamil Nadu IAMWARM Project.
9. Soil Conservation in Tribal areas under Integrated Tribal Development Programme.

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10. National Agriculture Development Programme (NADP).

- a. Agricultural Mechanisation Programme.
- b. Formation of farmers group including free package of machinery and training on operation and maintenance of farm machinery.
- c. Promotion of Onion Storage Structure (Natural air ventilated)
- d. Promotion of Solar chilli Dryer
- e. Purchase of Diesel Engine Pumpset with Raingun irrigation systems and mobile sprinklers for critical life saving supplemental irrigation.
- f. Provision of solar PV Pumping system of 5 hp AC Solar Powered pumping system with tracking facility linked with Micro Irrigation Scheme to farmers
- g. Revival of agriculture in fallow land

11. Training Programme to rural youth on operation and maintenance of agricultural machinery and implements.

12. Procurement of HDPE pipes to Delta Districts farmers for Kuruvai cultivation

13. Deepening of Farm Ponds created by MGNREGS Scheme in Ramanathapuram District

14. Minor Irrigation scheme.

15. Land Development scheme

The development head wise and object wise financial allocations are given in Table 1 and 2 respectively.

The Physical and Financial targets and achievements of the above schemes are given in Table -3.

TABLE 1
DEVELOPMENT HEADWISE FINANCIAL ALLOCATIONS

(Rupees in Lakhs)

Sl. No.	Head of Development	Actuals 2012-13			B.E. 2013-14			R.E. 2013-14			Budget 2014-15		
		Non Plan	Plan	Total	Non Plan	Plan	Total	Non Plan	Plan	Total	Non Plan	Plan	Total
1	Direction and Administration	9060.77	64.98	9125.75	10294.03	49.73	10343.76	9803.69	49.47	9853.16	10631.16	0.04	10631.2
2	Land Development	2214.69	60.86	2275.55	2469.43	131.15	2600.58	2326.70	1010.07	3336.77	2387.95	89.03	2476.98
3	Tractor Workshop	500.21	-	500.21	632.99		632.99	518.30	--	518.30	575.34		575.34
4	Minor Irrigation	826.22	202.36	1028.58	1142.44	0.02	1142.46	884.12	0.02	884.14	926.71	0.01	926.72
5	Agri.Engg.Training Centre.	51.07		51.07	60.35		60.35	58.98		58.98	63.84		63.84
6	Soil and Water Conservation	440.92	133.31	574.23	511.68	0.03	511.71	449.23	566.36	1015.59	487.06	25.22	512.28
7	Western Ghats Development Programme	-	429.41	429.41	--	568.81	568.81	--	11.94	11.94	--	9.62	9.62
8	Hill Area Development Programme	-	635.37	635.37	--	70.52	70.52	--	649.69	649.69	--	716.05	716.05
9	River Valley Project	-	1179.50	1179.50	--	1296.87	1296.87	--	19.18	19.18	--	0	0
10	Agricultural Mechanisation	-	448.46	448.46	--	1000.00	1000.00	--	133.54	133.54	--	0.01	0.01
11	Command Area Development Programme	-	4390.32	4390.32	--	6519.8	6519.80	--	5711.18	5711.18	--	4882.01	4882.01
12	Demonstration of newly developed Agricultural Equipment and training programmes to farmers in the field of Agricultural Mechanisation	-	18.47	18.47	--	70.26	70.26	--	324.05	324.05	--	3009.06	3009.06
13	NABARD assisted Rain Water Harvesting Programme	-	0.00	0.00	--	0.01	0.01	--	0.01	0.01	--	0.01	0.01
14	IAMWARM Project	-	3846.78	3846.78	--	1731.6	1731.60	--	4676.48	4676.48	--	2346.15	2346.15
15	National Agricultural Development Programme	-	8247.77	8247.77	--	7263.12	7263.12	--	10279.59	10279.59	--	4793.88	4793.88
16	Artificial recharge to Ground water	-	2432.01	2432.01	--	0.01	0.01	--	0.01	0.01	--	0.01	0.01
	Total	13093.88	22089.60	35183.48	15110.92	18701.93	33812.85	14041.02	23431.59	37472.61	15072.06	15871.10	30943.16

**Table 2
OBJECTWISE FINANCIAL ALLOCATIONS**

(Rs. in Lakhs)

Sl.No.	Sub head	Actuals 2012-2013	B.E. 2013-2014	R.E. 2013-2014	B.E. 2014-2015
	01. SALARIES				
1	1. Pay	7082.98	8396.88	6774.66	7045.65
	2. Medical Allownces	31.91	39.24	36.14	36.15
	3. Medical Charges	12.89	20.67	19.00	18.61
	4. Other Allowances	91.51	117.55	96.06	96.22
	6. House Rent Allowance	433.62	512.22	411.33	427.79
	7. Travel Concession.	11.56	8.71	7.99	8.53
	8. C C A	42.71	51.14	42.09	43.39
2	02.Wages	5.17	1.66	2.55	2.65
3	03.Dearness Allowance	4972.44	6550.34	6097.20	7045.65
4	04./ 01 Travel Expense	414.70	378.15	362.41	340.32
5	05.OFFICE EXPENSES				
	1 Telephone Charges	8.27	15.13	13.14	13.97
	2 Other Contingencies	25.67	31.91	31.39	28.88
	3 Electricity charges	41.75	61.01	59.28	63.07
	4.Service Postage&Postal Expenditure	15.51	18.28	17.21	17.82
	5 Furniture	0.00	1.01	0.01	0.01
6	06 Rent Rate Taxes	137.93	170.60	158.37	153.43
7	07 Publication	0.00	0.12	0.12	0.12
8	08 Advertisement & Publicity	56.22	28.30	41.16	41.20
9	10 Contribution	163.08	235.32	230.98	171.01
10	11 Subsidy	11532.55	7873.67	13560.47	9437.01
11	12 Scholarship and Stipend	1.41	3.20	3.20	3.20

Contd.....

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Sl.No.	Sub head	Actuals 2012-2013	B.E. 2013-2014	R.E. 2013-2014	B.E. 2014-2015
12	16 Major works	7365.75	6517.52	7010.75	3586.31
13	17 Minor works	49.11	26.00	32.15	32.00
14	18 Maintenance	16.48	17	17.00	17.00
15	19.MACHINERY AND EQUIPMENT				
	1. Purchase	814.49	691.41	416.98	348.88
	3. Maintenance	482.89	500.19	500.19	500.21
16	21.MOTOR VEHICLES				
	1.Purchase	39.71	0.02	35.41	0.02
	2.Maintenance	20.58	23.70	22.75	22.72
17	24 Materials and supplies	0.00	5.70	5.70	0.01
18	30 inter Account Transfer	0.00	0.00	0.00	0.00
19	33 PP & SS	24.82	108.40	92.81	96.81
20	45 Petrol,Oil & Lubricants	1118.14	1209.74	1201.17	1207.19
21	46 Clothing Tentage & Stores	9.94	13.49	14.33	14.36
22	47 Stores & Equipment	4.21	6.56	5.21	5.23
23	49 Festival Advance (-)	21.09	0.00	0.00	0.00
24	51 Compensation	0.00	0.03	0.03	0.03
25	59 Prizes & Awards	1.77	1.98	7.75	6.00
26	64 Lands	0.00	0.01	0.01	0.01
27	72 Training	72.02	106.21	72.16	54.55
28	76 Computer and Accessories	68.64	69.78	73.45	57.15
29	77 Deduct -Recoveries	-8.04	0	0	0
	Total	35183.48	33812.85	37472.61	30943.16

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TABLE - 3
TARGETS AND ACHIEVEMENTS
(PHYSICAL AND FINANCIAL)

(Financial Rs. in Lakhs)

Sl. No.	Name of the Scheme	Unit	2012-2013				2013-2014				2014-2015	
			Physical		Financial		Physical		Financial		Physical	Financial
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Proposed Target	Proposed Target
STATE SCHEMES												
1	LAND DEVELOPMENT											
a.	Land Levelling work by Bulldozers	Hours	99400	86848	No financial target. The cost of Development works (Hire charges) are met by farmers.		99400	65861	No financial target. The cost of Development works (Hire charges) are met by farmers.		99400	No financial target. The cost of Development works (Hire charges) are met by farmers.
b.	Tractor Ploughing	Hours	219200	173283			233600	151765			215000	
2	MINOR IRRIGATION											
	Sinking of Tubewells	Nos.	1456	1699	No Financial target. The cost of Development works (Hire charges) are met by Farmers.		1419	1785	No financial target. The cost of Development works (Hire charges) are met by farmers.		1503	No financial target.
3	SOIL AND WATER CONSERVATION											
a.	Rainwater Harvesting and Run off management Programme	Nos.	323	96	500.00	95.88	227	234	403.80	402.11	-	-

Contd.....

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Sl. No.	Name of the Scheme	Unit	2012-2013				2013-2014				2014-2015	
			Physical		Financial		Physical		Financial		Physical	Financial
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Proposed Target	Proposed Target
b.	Soil Conservation in Tribal Areas under ITDP	Ha.	550.36	140	200.00	37.43	410.14	410.72	162.56	162.33	-	-
		Nos.	68	5			63	63			-	-
c.	Soil and Water Conservation under Western Ghats Development Programme	Nos.	517	517	414.26	429.41	Scheme impemeted by TAWDEVA					
d.	Soil and Water Conservation under Hill Area Development Programme	Mts.	14532	16188	641.21	635.37	18695	18999	657.00	628.06	28643	707.00
		Nos.	408	436			766	958			695	
e.	Scheme for Artificial Recharge to Ground water	Nos.	557	555	2497.50	2432.01	-	-	-	-	-	-
4	Tamil Nadu IAMWARM Project											
a.	Micro Irrigation	Ha.	12457	11147	4647.91	3846.78	14078	10025	6520.89	4413.35	1475	621.46
b.	Farm Ponds	Nos.	138	114			553	515			38	
c.	Water Harvesting Structures	Nos.	36	36			201	178			23	
5	National Agriculture Development Programme (NADP)											
a.	Agricultural Mechanisation	Machinery / Implements / Trays in Nos.	46339	90931	7441.00	7431.11	14942	54083	4800.00	4799.82	9254	3000.00
b.	Special package to samba cultivation in delta districts											
i)	Purchase of Agricultural machinery for hiring out to farmers	Nos.	65	65	337.50	302.23	-	-	-	-	-	-

Contd.....

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Sl. No.	Name of the Scheme	Unit	2012-2013				2013-2014				2014-2015	
			Physical		Financial		Physical		Financial		Physical	Financial
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Proposed Target	Proposed Target
ii)	Subsidy to farmers on the hire charges of Agricultural Machinery	Hours	85280	27043	127.92	40.56	-	-	-	-	-	-
c.	Integrated Development of pulses villages in Rainfed Areas-Construction of Farm Ponds	Nos.	224	210	178.86	166.48	16	16	12.37	12.36	-	-
d.	Formation of Farmers Group and Training to Farmers	Groups / Nos.	30	30	459.00	312.05	30	29	63.20	62.85	600	738.00
e.	Provision of Scientific Onion storage Structures to farmers in 12 major growing districts.	MT	-	-	-	-	250	250	10.00	10.00	-	-
f.	Provision of Solar Chilli Drier	Nos.	-	-	-	-	20	12	40.00	23.87	-	-
g.	Provision of solar PV Pumping system of 5 hp AC Solar Powered pumping system with tracking facility linked with Micro Irrigation Scheme to farmers	Nos.	-	-	-	-	2000	2	6800.00	2.72	1998	5905.26
h.	Purchase of Diesel Engine Pumpset with Raingun irrigation systems and mobile sprinklers for critical life saving supplemental irrigation.	Sets	-	-	-	-	350	350	350.00	199.10	-	-
i.	River Valley Project	Area in Ha	-	-	-	-	10564	10322	1200.00	1165.28	12551	1175.00
		Structures in Nos.	-	-	-	-	1096	1084			954	

Contd.....

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Sl. No.	Name of the Scheme	Unit	2012-2013				2013-2014				2014-2015	
			Physical		Financial		Physical		Financial		Physical	Financial
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Proposed Target	Proposed Target
j.	Revive agriculture in fallow land	Acres	-	-	-	-	100	100	4.00	4.00	-	-
k.	Construction of Community Borewells in Sivaganga District	Bore wells in Nos.	-	-	-	-	-	-	-	-	150	320.00
l.	Mechanized Sugarcane Cultivation through Entrepreneur Development in Tamilnadu	Nos.	-	-	-	-	-	-	-	-	30	997.88
m.	Promoting Rural Youth Groups in Farm Mechanization in Vellore District	Groups	-	-	-	-	-	-	-	-	20	410.00
6	Training programmes to rural youth on handling and maintenance of agricultural machinery and implements	No. of Trainees	300	290	42.90	37.66	-	-	-	-	300	57.30
7	Special package to Kuruvai cultivation in delta districts	HDPE pipes in units	-	-	-	-	6000	5864	1200.00	925.52	7000	1400.00
		Machinery / implements in Nos.	-	-	-	-	-	-	-	-	400	460.00
8	Deepening of Farm Ponds created by MGNREGS Scheme in Ramanathapuram District	Nos.	-	-	-	-	1500	311	750.00	151.14	2689	1349.00

Contd.....

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Sl. No.	Name of the Scheme	Unit	2012-2013				2013-2014				2014-2015	
			Physical		Financial		Physical		Financial		Physical	Financial
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Proposed Target	Proposed Target
SCHEMES SHARED BETWEEN STATE AND CENTRE												
1	Soil and Water Conservation in the catchments of River Valley Project	Ha. Nos.	10754 1061	10758 1061	1200.00	1179.50	Scheme impemeted under NADP					
2	Agricultural Mechanaisation Programme	Nos.	1370	1046	582.00	448.45	401	384	148.95	141.30	-	-
3	Command Area Development and Water Management Programme of Accelerated Irrigation Benefit Programme	Ha.	20032	18262	4553.17	4389.86	25870	23275	5053.37	5053.88	23439	11582.62
4	Sub Mission on Agricultural Mechanization (SMAM) (75:25)											
i)	Financial Assistance for Procurement of Agricultural Machinery and Equipment	Machinery/ Implements in Nos.	-	-	-	-	-	-	-	-	2655	4110.00
ii)	Farm Machinery Banks for Custom Hiring	Groups	-	-	-	-	-	-	-	-	2	60.00
iii)	Hi Tech, Hi Productive Equipment Hub for Custom Hiring	Hubs	-	-	-	-	-	-	-	-	10	1000.00
iv)	Promotion of Farm Mechanization in selected villages	villages	-	-	-	-	-	-	-	-	30	300.00
	Total (SMAM)											5470.00

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Sl. No.	Name of the Scheme	Unit	2012-2013				2013-2014				2014-2015	
			Physical		Financial		Physical		Financial		Physical	Financial
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Proposed Target	Proposed Target
CENTRAL SECTOR SCHEMES												
1	Demonstration of Agricultural Machinery and Implements	No. of Demonstration	503	503	18.49	18.47	538	538	37.12	26.42	550	40.00
2	Training programme to farmers in the field of Agricultural Mechanisation.	No. of Training	-	-	-	-	135	135	35.10	35.10	150	39.00
3	Post Harvest Technology and Management	Machinery in nos. No. of Demo	- -	- -	- -	- -	Government have sanctioned a sum of Rs.186 lakhs for the purchase of Multicrop thresher, Maize husker Sheller and Mini Dhall Mill and for conducting demonstration in the farmer's field. The amount will be revalidated and implemented during 2014-15. An amount of Rs.186 lakhs fixed in BE 2014-15.				81 327	186.00
4	National Mission on Sustainable Agriculrure (NMSA)	structures in Nos.	-	-	-	-	-	-	-	-	1959	1483.90

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4. TAMILNADU WATERSHED DEVELOPMENT AGENCY

FORM – I

Sl. No.	Name of the Scheme	Objective of the Scheme
1.	Drought Prone Areas Programme (DPAP)	<ul style="list-style-type: none"> i. To minimize the adverse effects of drought on the production of crops, productivity of land, water and human resources. ii. Overall economic development through water based activities by harvesting the rain water in watersheds. iii. Watershed approach with people participations Village Panchayat and User group in selection and execution of works. iv. Restoring ecological balance by harnessing, conserving and developing Natural resources.
2.	Integrated Waste Land Development Programme (IWDP)	<ul style="list-style-type: none"> i. Tackling the non forest wasteland by harvesting rain water to bring the degraded lands into productive use. ii. Overall economic development through water based activities by harvesting the rain water in watersheds. iii. Watershed approach with people participations Village Panchayat and User group in selection and execution of works. iv. Restoring ecological balance by harnessing, conserving and developing Natural resources.
3.	Integrated Watershed Management Programme (IWMP)	<ul style="list-style-type: none"> i. Balanced use of Natural Resources and Livelihood by Watershed approach and efficient watershed management by mobilizing social capital. ii. Restoring ecological balance by harnessing, conserving and developing Natural resources. iii. Resource development usage will be planned to promote farming and allied activities and to promote local livelihood while ensure resource conservation and regeneration.

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Sl. No.	Name of the Scheme	Objective of the Scheme
		<ul style="list-style-type: none"> iv. Creating sustainable water resources and to have sustainable source of income for the rural community by conserving water in watershed areas by following multi-tire approach. v. Utilizing the information technology and remote sensing inputs in planning, monitoring and evaluation of programme. vi. Promoting overall development in rural areas.
4.	Watershed Development Fund (WDF)	<ul style="list-style-type: none"> i. To spread the message of participatory Watershed Development. ii. Involvement of Government, NGOs/ Voluntary organization in implementation. iii. Involvement of Watershed Association & Watershed Committee to develop the watershed based on the local needs.
5.	Western Ghats Development Programme (WGDP)	<ul style="list-style-type: none"> i. To take up all conservation activities on a watershed approach ii. Maintenance of the ecological balance iii. Preservation of genetic diversity iv. Restoration of ecological system damaged by human interaction v. Creation of awareness among the people of Western Ghats and educating them on the far-reaching implications of ecological degradation and securing their active participation in the eco-development schemes.

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Form-II

Physical and Financial Target and Achievement

(Rs.in lakhs)

Sl. No.	Name of the Scheme	Unit	2012-13		2013-14		2014-15	
			Target	Achievement	Target	Achievement	Target	Achievement
1.	Drought Prone Areas Programme (DPAP)							
	Physical	Ha.	39887	25490	15156	4348	Closure of Projects under progress	
	Financial	Rs. in lakhs	2393.21	1529.39	909.37	260.908 *		
The Annual target is fixed based on the release of funds from GOI, State and the previous year's closing balance. Government of India Proposed to stop funding after 01.04.2014 and the completion of the work in progress. * Out of the fund allotted after incurring expenditure, the unspent amount of Rs.591.023 Lakhs has been remitted back into GOI and State receipt Head of Account.								
2.	Integrated Waste Land Development Programme (IWDP)							
	Physical	Ha.	32807	18045	17542	7580	Closure of Projects under progress	
	Financial	Rs. in lakhs	1968.39	1082.72	1052.49	454.82*		
The Annual target is fixed based on the release of funds from GOI, State and the previous years closing balance. Government of India Proposed to stop funding after 01.04.2014 and the completion of the work in progress. * Out of the fund allotted after incurring expenditure, the unspent amount of Rs.629.714 Lakhs has been remitted back into GOI and State receipt Head of Account.								
3.	Integrated Watershed Management Programme (IWMP)							
	Physical	Ha.	235118	108440	235259	192788	494003	--
	Financial	Rs. in lakhs	28214.16	13012.80	28231.11*	23134.57**	59280.42	--
* A sum of Rs.11639.70 Lakhs from Government of India and a sum of Rs. 2282.00 Lakhs from State Government as 1 st installment and as 2 nd installment fund Rs.5215.80 lakhs have been received from GOI. ** The Annual target is fixed based on the release of funds from GOI, State and including the previous year's closing balance the expenditure has been incurred.								

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Sl. No.	Name of the Scheme	Unit	2012-13		2013-14		2014-15	
			Target	Achievement	Target	Achievement	Target	Achievement
4.	Watershed Development Fund (WDF)							
	Physical	Ha.	8876	5222	3654	3654	Rs.9.750 crores is to be released by Government of Tamilnadu.	
	Financial	Rs. in lakhs	532.55*	313.31*	219.24	219.24		
* - Previous year closing balance and fund received.								
5.	Western Ghats Development Programme (WGDP)							
	Physical	Various Units	Various Units (Ha / Mandays / Km)		Various Units (Ha / Mandays / Km)		Various Units (Ha / Mandays / Km)	
	Financial	Rs. in lakhs	1568.62*	318.32	2214.01	2194.731	2656.812	-
* - Funds will be released during January 2013 and the scheme is implemented in 8 WGDP districts.								
6.	Restructured National Watershed Development Project for Rainfed Areas (NWDPR)							
	Physical	Ha.	28838	16337	15600	12623	Consolidation report under XI Plan NWDPR is taken during 2014-15	
	Financial	Rs. in lakhs	1730.31	980.19	935.00	757.36		
7.	Revised Comprehensive Wasteland Development Programme (RCWP)							
	Physical	ac.	*	-	*	-	*	-
	Financial	Rs. in lakhs	Token Provision Rs.1000/-	-	Token Provision Rs.1000/-	-	Token Provision Rs.1000/-proposed	-
Under this scheme target is fixed by revenue department in phased manner once in 3 months. Wherever land development activities are needed those lands are developed by Agricultural Engineering Department with funding from TAWDEVA. * During the year 2011-12 the Revenue Department not allotted any lands for development under this scheme. Hence, Physical & Financial target not fixed.								

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5. SEED CERTIFICATION AND ORGANIC CERTIFICATION

The Agriculture is the first and foremost sector which paves the way for the development of all other allied sectors. Food is the most essential and undeniable requirement for survival and development. To attain self sufficiency in food production and to meet the growing needs of the increasing population, agricultural sector needs utmost priority and focused attention.

In agriculture, seed is the most important factor which influences not only the yield potential but also the quality and uniformity of the produce which ultimately decides the market value. One of the most critical management decisions of the farmer is the selection of appropriate seed source and variety. The seed quality can affect the yield potential of a crop more than any other input factor. Thus the income of the farmer totally depends upon the use of quality certified seeds.

In order to increase the certified seed production and to ensure quality seed supply for the benefit of the farmers, the Department of Seed Certification and Organic Certification is implementing the following programmes namely,

1. Seed Certification,
2. Seed Quality Control,
3. Seed Testing,
4. Training,
5. Organic Certification.

- The Department aims to achieve the following Goals by
- Ensuring the availability of good quality seeds to farmers of the State,
- Motivating the private seed producers to involve in certified seed production of various crops,
- Strict enforcement of seed legislations,
- Creating awareness among the stakeholders of the seed industry regarding seed certification and seed testing,
- Encouraging and involving farmers to register under organic certification Programme.

2. Seed Certification

Seed Certification is a regulatory process to secure, maintain and make available seeds with standard qualities of germination, physical purity, genetic purity and seed health as prescribed under the Indian Minimum Seed Certification Standards (IMSCS). The functions of the seed certification agency are carried out in accordance with the provisions of The Seeds Act 1966 and The Seeds Rules 1968 by the Seed certification wing.

Out of the total quantity of seed certified, the quantity certified under Paddy crop accounts for 92%. The share of the private sector in the total production of paddy seeds amounts to 84%. The private sector is being motivated and encouraged to take up certified seed production of Millets, Minor millets, Pulses and Oil seed crops.

To increase the working efficiency of the field level functionaries, it is proposed to provide seed certification kits under the NADP Scheme during the year 2014 -15 at a total cost of Rs 18.16 Lakhs. The proposal has already been sent to the Government and is approved for the year 2014-15 by the State Level Sanctioning Committee. Under the part II scheme, sanction has been issued for the purchase of 10 numbers of new jeeps as replacement for old, condemned and handed over jeeps. Financial allocation of Rs 57.50 Lakhs has been sanctioned during the year 2014-15.

During the year 2013-2014, 84,776 M.T of various crop seeds has been certified against the annual target of 1,10,000 M.T of seeds. It is proposed to certify 1,10,000 M.T of various crop seeds during the year 2014-2015. Use of Information and Communication Technology (ICT) will be promoted for easy monitoring and effective reporting.

3. Seed Quality Control

The Government is keen in ensuring the timely availability of quality seeds for which seed distribution system is properly monitored by the Quality Control wing through enforcement of various seed legislations.viz.,. The Seeds Act 1966, The Seeds Rules 1968, The Seeds (Control) Order 1983 and The Environment (Protection) Act 1986.

The Seed Inspection wing is issuing license for seed dealers under provisions of The Seeds (Control) Order, 1983. At present there are 9,148 licensed seed selling points in the state. The seed quality control activities involve inspection of the seed selling points at regular intervals and drawing of seed samples for quality check from seed lots kept for sale. The samples are analyzed in the notified seed testing laboratories. Based on the results of the analytical reports, actions are initiated against sub standard seed lots. Contraventions of seed legislations detected by the Seed Quality Control wing are dealt with legal actions.

During the year, 2013-2014, 69,392 seed selling point inspections have been conducted as against the annual target of 68,500 inspections and 61,002 seed samples have been drawn for quality check as against the annual target of 66,000 seed samples. The quality control wing has unearthed sub standard seeds of 2,042 seed lots, weighing 2,922 M.T. valued at 1,536 Lakh Rupees. These seed lots were prevented from being sold to the farmers. Under contravention of seed legislations, 366 cases were filed in the court of law of which 264 cases were disposed off in favour of the Government.

It is proposed to make 68,500 seed selling point inspections and to draw 66,000 seed samples for quality check during the year 2014-2015. During 2014-15, it is proposed to strengthen the Seed quality control wing at a total cost of Rs 6.00 Lakhs under the NADP scheme.

4. Seed Testing

The implementation of the seed certification and seed quality control programmes are dependant on the results declared by the notified seed testing laboratories of this Department. The various seed standards such as germination, physical purity, moisture, seed health and other distinguishable varieties are determined in the seed testing laboratories.

At present there are 32 notified seed testing laboratories in our State. The certified seed samples received from the seed certification wing, the official samples received from the seed quality control wing, and the service samples sent by the farmers, seed dealers and seed producers are tested in the notified seed testing laboratories. Grow out tests are conducted to ascertain the genetic purity of a given seed lot. Genetic Purity tests are conducted for crop seeds, where it is a pre requisite for seed certification and also for the samples received from the seed inspection wing.

Genetic purity tests are conducted at the grow out test farm of this Directorate, functioning at Kannampalayam (Coimbatore). A Bt testing Laboratory is attached to this Directorate for analyzing Bt toxin.

4.1. Special & Outstanding activities carried out in Seed Testing.

a. Establishment of a DNA (Finger Printing) Laboratory

The functions of seed testing need to be updated and modernized as there is a huge need arising out to meet the ever growing seed industry. Taking in to account of this situation and in order to perform better in ensuring the seed standards, this Department has taken the outstanding efforts by establishment of a DNA Finger Printing Laboratory at a cost of Rs 52.00 Lakhs.

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This is the first of its kind in the whole of public sector under takings in the nation. This laboratory has further been strengthened under the NADP Schemes during the year 2012-13.

The functions of this Laboratory has enabled the Department to identify the Genetic Purity of crop varieties within a very short period of three to four days which otherwise will need a time of 2 to 3 months as the case may be. The DNA Finger Printing Laboratory at present has a potential to ensure the Genetic Purity of 13 varieties of the paddy crop which are most popularly grown in the state. This laboratory is awaiting the notification of the Testing Protocol from the Central Seed Sub Committee of the Government of India. This Laboratory has obtained the State notification during the year 2014-15. This DNA Finger Printing Laboratory will be strengthened during the year 2014-15, at a cost of Rs 3.66 Lakhs under the NADP Scheme. The proposals have already been approved by the State Level Sanctioning Committee.

b. Taking seed testing to International levels.

There is an urgent need to grow to the international standards in the seed testing arena. The seed industry in India is in need of public sector under taking seed testing laboratories on par to international standards to support and encourage seed exports. For this, it is essential that our seed testing laboratories are to be accredited by the International Seed Testing Association (ISTA) which has its head quarters at Switzerland.

The department has taken up this challenge and has upgraded the existing notified seed testing laboratory at Coimbatore to the standards of the International Seed Testing Association (ISTA).

This laboratory has become a member of the International Seed Testing Association. This laboratory has been accredited by the International Seed Testing Association (ISTA) in the month of June 2014. This accreditation is valid for a period till 27.01.2017. This is an exclusive and unique achievement which has not been achieved by any other public sector undertaking in the country.

Under seed testing during 2013-14, a total number of 91,782 seed samples have been analyzed as against the annual target of 87,000 seed samples. It is proposed to analyze 92,000 seed samples during the year 2014-2015. During 2014-15, the seed testing activities will be strengthened by equipping all the seed testing laboratories and the Grow out Test Farm at Kannampalayam with improved infrastructure facilities.

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5. Training

In order to update the skills and knowledge of personnel's of this department, seed producers, seed dealers and farmers in seed production technology, seed certification procedures, seed testing, seed legislation, etc., there is an exclusive training wing functioning in this department.

Training imparted to the Technical Officers

5.1 Orientation Training: Training on seed certification procedures, field inspections, identification of crop varieties, processing, sampling, tagging, and procedures involved in seed testing and seed quality control imparted to the newly recruited technical officers of this Department.

5.2 Refresher Training: The latest techniques on seed production, seed testing and seed inspection are imparted to the already positioned technical officers of this Department.

Training imparted to the Seed producers, Growers and Seed Dealers.

5.3 Training to Seed Producers: Training is given to seed producers on seed production to improve quality seed production.

5.4 Training to Seed Dealers: Training on the purchase and sale of quality seeds, seed storage and the regulatory aspects of seed legislation are given to the seed dealers.

During 2014-15, it is proposed to train 44,500 persons involved in the seed industry, under the training programme of this Department.

6. Organic Certification

Organic Certification addresses a growing worldwide demand for organic food. It intends to assure quality and to promote commerce. Organic Certification essentially aims at regulating and facilitating the sale of organic products to consumers. It is extended to Crop production, Animal husbandry, Beekeeping, Food Processing, Input production, Trade and Export.

Organic Agriculture means, a process of developing a viable and sustainable agro eco system, which can achieve sustainable productivity without the use of artificial external inputs such as chemical fertilizers and pesticides.

Sufficient quantities of biodegradable material of microbial, plant or animal origin should be returned to the soil to increase its fertility and the biological activity. The primary objective of organic agriculture is to optimize the health and productivity of interdependent communities of soil life, plants, animals and people.

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To carryout inspection and certification of organic production system in accordance with National Programme for Organic Production (NPOP), the Tamil Nadu Organic Certification Department (TNOCD) was established and launched by Government of India in the year 2000 and notified in October 2001 under the Foreign Trade (Development and Regulation) Act 1992 (FTDR Act). Tamil Nadu Organic Certification Department is accredited by Agricultural and Processed Food Products Exports Development Authority (APEDA), New Delhi, Ministry of Commerce and Industry, Government of India.

NPOP/NAB/0019 is the accreditation number allotted to Tamil Nadu Organic Certification Department. Organic Certification carried out by this Department is on par with standards of European Union. Tamil Nadu Organic Certification Department participated in the premier International Trade Fair on Organic Agriculture held at Bengaluru during November 2013.

The Organic Certification Department imparts free training to registered organic farmers on National Standards for Organic Production, and for Tamil Nadu Organic Certification Department Standards.

6.1 Objectives of organic Farming

- ❖ To preserve tomorrows' nature than today's economy
- ❖ To Promote the Use of Natural products available in local area
- ❖ To Preserve Soil health for longer time
- ❖ To Avoid environmental pollution by avoiding Agricultural Technologies which aims only on higher yield
- ❖ To produce required quantity of nutritive food grains
- ❖ To Increase Agricultural Production as well increase the standard of living of farmers by bringing rain fed cropped area under organic cultivation /certification

6.2 Benefits of Organic Certification

This is towards assurance of quality, to produce genuine produce and to promote organic trade. When the product comes to consumer market, there needs the third party certification for assurance of quality. This ensures the use of allowable inputs, in the established procedure of production.

During the year 2013-14, 11,339 Ha. of land have been registered under Organic Certification as against the annual target of 12,546 Ha. This includes 230 individual farmers possessing 3,359 Ha. of land, 13 groups containing 4,394 farmers having 7,788 Ha. of land and 26 corporate possessing 193 Ha. of land. It has been planned to bring 12,546 Ha. of land under Organic Certification during 2014-2015.

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TABLE 1							Seed Certification		
							Quantity of Seeds Certified in M.T.		
S.No.	Crop	2012-13		2013-14		2014-15			
		Target	Achievement	Target	Achievement	Plan			
1	Paddy	97,030	74,105	1,00,070	77,637	99,800			
2	Variety millets	270	239	400	319	440			
3	Hybrid millets	10	2	5	0	5			
4	Variety cotton	300	155	155	126	155			
5	Pulses	3,800	3,770	4,900	3,668	5,100			
6	Oilseeds	3,500	2,510	4,370	2,963	4,400			
7	Vegetables	90	70	100	63	100			
	TOTAL	1,05,000	80,851	1,10,000	84,776	1,10,000			

TABLE 2							Seed Inspection (Numbers)		
S.No.	Details	2012-13		2013-14		2014-15			
		Target	Achievement	Target	Achievement	Plan			
1	Seed selling point inspections	68,000	66,068	68,500	69,392	68,500			
2	Seed samples taken	65,500	56,963	66,000	61,002	66,000			

TABLE 3							Seed Testing (Numbers)		
S.No.	Details	2012-13		2013-14		2014-15			
		Target	Achievement	Target	Achievement	Plan			
1	Samples tested	86,500	90,706	87,000	91,782	92,000			

TABLE 4							Training (Numbers)		
S.No.	Details	2012-13		2013-14		2014-15			
		Target	Achievement	Target	Achievement	Plan			
1	Persons trained	44,000	49,250	44,500	44,853	44,500			

TABLE 5							Organic Certification (Ha.)		
S.No.	Details	2012-13		2013-14		2014-15			
		Target	Achievement	Target	Achievement	Plan			
1	Area Registered	12,343	9,259	12,546	11,339	12,546			

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BUDGET PROVISION UNDER VARIOUS HEADS FOR SCHEMES PERFORMED IN 2012-13,2013-14 & PROGRAMME FOR 2014-2015

S.NO	DETAILED HEAD OF ACCOUNT	Expenditure for 2012-2013					FMG- 2013-2014					Budget Estimate for 2014-2015				
		Plan	Non Plan	Centrally Sponsored	Central & State Equally Shared	Total	Plan	Non Plan	Centrally Sponsored	Central & State Equally Shared	Total	Plan	Non Plan	Centrally Sponsored	Central & State Equally Shared	Total
1	2435-Other Agricultural Programmes 01. Marketing and quality control 102-Grading and quality control facilities-I Nonplan-AF-Seed Certification	0.00	2551.35	0.00	0.00	2551.35	0.00	3077.65	0.00	0.00	3077.65	0.00	2582.68	0.00	0.00	2582.68
2	2435-Other Agricultural Programmes 01.Marketing and Quality control 102-Grading and Quality Control facilities State plan-JA-Seed Certification	0.04	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.04	57.54	0.00	0.00	0.00	0.00	57.54
3	2435-Other Agricultural programmes 01. Marketing and quality control 102-Grading and quality control facilities-I Nonplan-AB-Seed Testing Laboratory	0.00	660.41	0.00	0.00	660.41	0.00	745.31	0.00	0.00	745.31	0.00	654.76	0.00	0.00	654.76
4	2435-Other Agricultural Programmes 01. Marketing and quality control 102-grading and quality control facilities-schemes in XI Five year Plan-II State plan-JF-Establishment of Seed Testing Laboratory.	0.02	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.02
5	2435-Other Agricultural Programmes 01. Marketing and quality control 102-Grading and quality control facilities-schemes in XI Five Year Plan-III Centrally sponsored schemes SA -Strengthening of Seed Testing Laboratory.	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.03
6	2401-Crop Husbandary -103-Seeds schemes in XI Five year Plan-II State Plan-JG-independent Seed Inspectorate	65.00	0.00	0.00	0.00	65.00	50.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00
	2401-Crop Husbandary -103-Seeds I Non Plan-AX-Independent Seed Inspectorate(69 PAI)	The Sub Head has been initiated only from 2014-15										0.00	50.00	0.00	0.00	50.00
7	2435-Other Agricultural programmes 01. Marketing and quality control 102-Grading and quality control facilities-I Nonplan-AP-Organic Certificaton and Quality Control	0.00	68.07	0.00	0.00	68.07	0.00	69.49	0.00	0.00	69.49	0.00	62.68	0.00	0.00	62.68
	Total	65.06	3279.83	0.03	0.00	3344.92	50.06	3892.45	0.03	0.00	3942.54	57.56	3350.12	0.03	0.00	3407.71

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FINANCIAL EXPENDITURE AND RECEIPTS UNDER VARIOUS SCHEMES

Rupees in lakhs.

S.No	Name of the Scheme	2011-12			2012-13			2013-14			2014-15 (Plan)		
		Expenditure		Receipts	Expenditure		Receipts	Expenditure		Receipts	Expenditure		Receipts
		Plan	Non plan		Plan	Non plan		Plan	Non plan		Plan	Non plan	
1	Seed Certification Scheme	0.00	2391.29	207.14	0.00	2511.90	166.96	0.00	2764.59	161.94	0.00	3077.65	205.00
2	Seed Testing Scheme	0.00	474.69	35.20	0.00	601.99	0.93	0.00	674.57	2.90	0.00	745.31	3.20
3	Seed Inspection	33.02	0.00	1.80	65.00	0.00	1.69	49.97	0.00	4.44	0.00	50.00	4.80
4	Seed Testing Capital Outlay Part-II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Seed Certification (Part II)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Seed Testing (Part II)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Seed Testing - Capital outlay (4401 PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	2435-01-102 SA Centrally Sponsored	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	2435-01-102- Organic Certification	0.00	63.08	10.58	0.00	53.59	6.07	0.00	70.98	5.99	0.00	69.49	6.25
	TOTAL	33.02	2929.06	254.72	65.00	3167.48	175.65	49.97	3510.14	175.27	0.00	3942.45	219.25

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6. AGRICULTURAL MARKETING AND AGRI BUSINESS

The Prime objective of the Department of Agricultural Marketing and Agri Business is to help the farmers in marketing their agricultural produce at a fair price and to ensure remunerative returns to them. The Department of Agricultural Marketing, which functioned separately since 1977, with the main objective of "Regulation of Agricultural Marketing" was renamed in 2001 as "Department of Agricultural Marketing and Agri Business" to focus on creation and strengthening of post harvest management infrastructure for value addition of agricultural commodities, food processing and export. An efficient and organized marketing system would ensure maximum price realization to the farmers, which will induce them to produce more and market their produce in an increasing proportion. In this context, Department of Agricultural Marketing and Agri Business is taking various technological intervention.

Major activities of the Department are,

1. Development of infrastructure facilities for marketing, post-harvest management and processing of agricultural produce.
2. Formation of Commodity groups / Clusterization of growers of lead commodities and creation of market linkages in order to empower farmers in efficient trading.
3. Promotion of Farmer Producer Organizations (FPO) for improved access to investments, technology, inputs and markets.
4. Rendering services to farmers to realize remunerative price for their produce through various marketing outlets which include regulated markets, farmers markets, specialized market complexes, etc.,
5. Curtailing the post-harvest losses of farm produce and facilitating the farmers to handle their marketable surplus through storage godowns, cold storages, ripening chambers and drying yards.
6. Promoting the role of private players in infrastructure creation especially for value addition and processing of farm produce under PPP mode.
7. Disseminating the dynamic and forecasted market price information to the registered farmers through mobile and web portals.

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8. Increasing the level of food processing and value addition in the state through National Mission on Food Processing and also through Incubation cum Training centers.
9. Sensitizing the farmers to adopt market-led agriculture by providing crop advisory, market information and extension services through Agro Marketing Intelligence and Business Promotion Center.
10. Imparting skills to the farmers on the techniques of post-harvest management, processing, packing, value addition, grading, etc., through capacity building programmes.

Market Committees and Regulated markets

In Tamil Nadu, 21 Market Committees are functioning to enforce the provisions of Tamil Nadu Agricultural Produce Marketing (Regulation) Act 1987 and Rules 1991 and by-laws in the notified area. Under these 21 Market Committees, 277 Regulated Markets are functioning as a common forum to farmers and traders on equal footing for marketing of agricultural produce without middlemen. **Through Regulated Markets, about 22.74 L.MT of agricultural produce were sold by farmers and Rs.98.32 crore have been collected as revenue from traders in 2013-14.**

Modern storage godowns and cold storages in Regulated Markets

Farmers can store their farm produce in godowns of Regulated markets and get credit facilities in the form of pledge loan. In order to strengthen the Regulated markets, **88 Nos of godowns with the capacity of 2,000 MT (75 Nos), 5,000 MT (8 Nos) and 10,000 MT (5 Nos) at a total cost of Rs.133.96 Crore have been constructed and are being utilized.** Further, to reduce the post harvest loss and to extend the shelf life of fruits and vegetables, **construction of 70 Nos of cold storages with 25 MT capacity in Regulated Markets at a total cost of Rs.22.26 crore is under progress.**

Rural Business Hubs

Rural Business Hubs were created in 10 Regulated Markets at a cost of Rs.150 lakh under National Agriculture Development Programme (NADP). Rural Business Hub envisages development of opportunities through which farmers have increased access to markets through forward linkages. **So far, 644 commodity groups have been formed and 4,502 farmers were benefited through 10 RBHs.**

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Pledge loan to farmers

Farmers can avail pledge loan to avoid distress sale during glut seasons by storing their farm produce in the godowns of Regulated Markets for a maximum period of 6 months. Pledge loan help the farmers preparing for next cropping season and also to meet their immediate money requirement. **During 2013-14, 2995 farmers availed pledge loan to the tune of Rs.3,916.56 Lakh.**

Drying yards at village level

The post production losses of farm produce is substantial in Indian Agriculture and it accounts for 10-15% in total cereals and pulses production. Drying yards at village level or farm gate level are essential to help the farmers to handle their agricultural produce immediately after harvest for drying, cleaning, winnowing, etc. **So far, 1,359 village level drying yards at a total cost of Rs.2,734.50 lakh were constructed and are being utilized by the farmers.**

Agmark grading

Agmark grading scheme is being implemented in Tamil Nadu as per Agricultural Produce (Grading and Marking) Act 1937. In Tamil Nadu, 30 State Agmark Grading Laboratories and one Principal Agmark Grading Laboratory at Chennai are functioning to provide unadulterated food products to the consumers and to ensure quality. **During 2013-14, about 15.27 lakh quintals of food products have been graded through State Agmark Grading Laboratories.**

Farmers' markets (Uzhavar Sandhais)

At present, 179 Farmers' markets are functioning in Tamil Nadu, with an objective to ensure farmers to get a better price for their fruits and vegetables and to enable the consumers to get fresh fruits and vegetables at a lesser price than the retail market by eliminating middle men intervention. Cold storages of 2 MT capacity have been installed in 27 farmers' markets to store their unsold produce. **On an average, everyday Rs.640.51 lakh worth of 2,659.10 M.T Vegetables and fruits were sold by 9,739 farmers and 4.84 lakh consumers were benefitted from Uzhavar Sandhais.**

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Market Complex with Cold Storage facilities for Mango

For the welfare of small and marginal farmers in Krishnagiri District, a Market complex with cold storage facility has been established at a cost of Rs.100 lakhs for Mango at Krishnagiri Regulated Market under Tamil Nadu State Agricultural Marketing Board and State Government funds. 327.10 MT of Mango has been transacted and 223.08 MT has been stored in the cold storage during 2013-14.

Market Complex with Cold Storage facilities for Tomato

To facilitate tomato growers, a Market complex with cold storage facility has been established at a cost of Rs.100 lakhs at Palacode Regulated Market in Dharmapuri District under Tamil Nadu state Agricultural Marketing Board and State Government funds. **782.40 MT of tomato has been transacted in 2013-14.**

Market Complex with Cold Storage facilities for Onion

Market complex with cold storage facility for onion at a cost of Rs.100 lakhs at Pongalur Regulated Market in Tiruppur District has been established for the welfare of small and marginal farmers under Tamil Nadu state Agricultural Marketing Board and State Government funds. 14 MT of onion, copra, tomato, maize has been stored and transacted in 2013-14.

Market Complex for Coconut

In order to facilitate coconut growers of Thanjavur district to get better price, a Coconut Market Complex has been created at Ponnarayanankottai, Ukkadai village at a cost of Rs.400 lakhs under Thanjavur Market Committee and State Government funds. This Market complex is provided with rural godown, transaction shed, godowns, drying yard and solar drier for copra, grading and sorting hall, input shops, traders shops, coconut de-shelling hall, electronic weighing balances and coconut oil mill unit with automatic oil packing facility for the benefit of coconut growers. **During 2013-14, 78 MT copra and 18 lakh coconut have been transacted.** In Tiruppur District at Pethappampatti, a coconut market complex has been established at a cost of Rs.100 lakhs. **So far, 276 coconut growers transacted 2,278.70 MT and stored 349.75 MT of copra in the godown.**

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Market Complex with cold storage for Hill vegetables

To facilitate hill vegetable growers in and around Coimbatore District, a Market Complex with Cold Storage for hill vegetables at Karamadai Regulated Market has been created at a cost of Rs.100 lakhs under NADP. **So far, 26 hill vegetable commodity groups were formed and 15.723 MT of vegetables have been transacted and 16.25 MT have been stored in cold storage.**

Cold storage for Tomato

A cold storage unit with 100 MT capacity has been established at Meicheri in Salem district at a cost of Rs.100 lakhs under NADP. **So far, 782.40 MT of agriculture produce have been stored in the cold storage.**

Banana Ripening Chamber

The banana, after cleaning, packing and quality checking need to be ripened uniformly before reaching to the consumers. Hence ripening chamber have been established at Trichy, Srivaikundam, Chinnamanur and Mohanur at a total cost of Rs.200 lakh. **During 2013-14, about 15 banana commodity groups each at Trichy, Srivaikundam and Mohanur and 23 banana commodity groups in Chinnamanur have been formed for better utilization of these infrastructure facilities and for better price realization.**

National Mission on Food Processing (NMFP)

National Mission on Food Processing is being implemented from the year 2012-13 by Government of India, Ministry of Food Processing Industries and Government of Tamil Nadu with the financial sharing pattern of 75:25. Department of Agricultural Marketing and Agri Business is the State Nodal Agency for the implementation of the scheme. **So far, 47 Food processing related projects at a total cost of Rs. 104 crore with grant-in aid request of Rs.1,744.05 lakh has been approved and sanctioned.**

Tamil Nadu Irrigated Agriculture Modernization and Water Bodies Restoration and Management (TN-IAMWARM)

The main objective of World Bank assisted TN-IAMWARM Project under Agri marketing component is supporting sub-basin farmers in strengthening their market orientation. The farmers are being sensitized with the concept to achieve more income per drop of water. So far, 28 Agri Business Centers, 109-storage sheds, 200-drying yards, 21-collection centers, one pack house and 4 additional infrastructures were created under TN-IAMWARM Project. The supporting equipments for value addition such as 249-moisture meters, 285-electronic weighing scales, 1698- tarpaulins, 6203-dunnages, 22-computers with internet connection, 2860-plastic crates, 6-Coconut De-fibring Unit, 8-Copra Dryer, 8- goods auto and one mini lorry for logistics were provided and are being utilized by Commodity group farmers.

So far 3,200 commodity groups covering 15 major commodities have been formed and 2,549 MoU have been made between farmers and traders. Under Information, Education, Communication and Capacity Building (IEC&CB) activities 973 trainings were conducted viz., 420-technical trainings, and 236-interface workshops, 206 exposure visits inside the state and 101-exposure visits outside the state and 10-awareness campaigns. **By utilizing the infrastructure facilities and capacity building activities, 1,44,901 commodity group farmers earned an additional income of Rs.7,242 lakhs with the Commodity transaction of 3.73 L.MT.**

Tamil Nadu Small Farmers Agri-business Consortium (TNSFAC)

Tamil Nadu Small Farmers Agri-business Consortium assists entrepreneurs to make investments in setting up agribusiness projects through Venture Capital Assistance and encouraging producer group/organizations to establish suitable agro-based projects by assisting them in evolving commercially viable projects under Project Development Facility. **So far, Venture Capital Assistance of Rs.2,174 lakh for 64 Agri-business projects has been sanctioned.**

Post harvest management training to farmers by Tamil Nadu State Agricultural Marketing Board:

The Publicity and Propaganda wing of the Tamil Nadu State Agricultural Marketing Board, functioning at Chennai, Coimbatore, Trichy and Madurai are conducting regular training programmes for creating awareness on Post harvest technology, Importance of Value addition and other Agricultural Marketing Schemes to the farmers. During 2013-14, about 1460 farmers were benefited.