



APRIL 2012

AGRICULTURE DEPARTMENT

**PERFORMANCE BUDGET
2012-2013**

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GOVERNMENT OF TAMIL NADU
2012

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1. AGRICULTURE

1. Introduction

Agriculture development is the key to poverty alleviation and development of rural areas. Tamil Nadu Government is keen on promoting agriculture sector. Agriculture plays the role of a driver which propels growth in Secondary and Tertiary sectors. In this back drop, Government of Tamil Nadu with a serious concern to invigorate agriculture sector and ensure food security and balanced nutrition for all, has brought in various path breaking initiatives so as to usher in **Second Green revolution**. Concomitant to this vision, the Government is on the anvil of developing agriculture at farm level, by introducing **Farm level interventions** through computer based **Farm Crop Management System** which would integrate the farmers, extension and research wing and ensure timely input supply, complete adoption of technology, crop growth monitoring, pest and disease surveillance and marketing linkages.

As the pressure on land is increasing day by day and the cultivable area is continuously shrinking, which necessitates effective utilization of available land and efforts to increase the cropping intensity. As an initial measure, fallow lands suitable for agriculture will be identified and brought under cultivation, besides advocating **Integrated Farming System** wherein agriculture is integrated with allied activities such as animal husbandry, poultry, aquaculture, sericulture etc., for supplementing and sustaining the income of farmers. Complementing this effort, **crop diversification** will be promoted for giving wider options to obtain good remuneration.

Apart from this, initiatives such as individual farm based recommendations, suitable cropping pattern based on the soil, irrigation and microclimate are suggested through comprehensive **Farmers Integrated Handbook**, Permeation of **innovative technologies** viz., **System of Rice Intensification, Improved pulses production technologies** at farm level as a **whole village concept, Sustainable Sugarcane Initiatives, Precision Farming, Micro Irrigation** etc., are focused to double the production and triple the income of the farmers especially small, marginal farmers, Scheduled Caste and Scheduled Tribe farmers.

The Government to ensure effective reach of scheme benefits to the farmers and to improve extension outreach at farm level has provided **new vehicles**, appointed **Block Technology Managers, Subject Matter Specialists with other supporting staff and Farmers' Friend** besides establishing **Farmers' Hub** for speedy delivery of integrated package of extension information.

The Government with a determination to achieve an ambitious target of doubling the food grain production during 12th Five Year Plan, has fixed 120 L.MT for 2012-13 for which various new initiatives and approaches have been chalked out.

2. Season

2.1. Rainfall

The season wise rainfall received during 2011 and 2012 is as follows:-

(in mm)

Season	2011			2012 (upto 11.04.2012)		
	Normal Rainfall	Actual Rainfall	Deviation (%)	Normal Rainfall	Actual Rainfall	Deviation (%)
Winter Season (Jan. – Feb)	31.30	34.80	11.20	31.30	9.50	- 70
Summer season (March- May)	127.80	140.00	9.50	129.7	6.90	- 95
South West Monsoon (June – Sep)	321.20	300.50	-6.40			
North East Monsoon (Oct.– Dec)	441.20	540.80	22.60			
Total	921.50	1016.10	10.28			

During 2011-12, the rainfall during summer and South West Monsoon with wide variation in spatial and temporal distribution resulted in lesser coverage under rainfed crops during Kharif 2011. The North East Monsoon which was active from 24th October, 2011 brought copious rains which gave a fillip to samba paddy crop resulting in good coverage in almost all the districts.

Against all these odds, early water release from the Mettur Dam for irrigation ie., on 06th June, 2011 against the scheduled date of 12th June, enabled the delta farmers to take up Kuruvai cultivation well in advance more enthusiastically in an extent of 1.388 L.ha which is 0.649 L.ha more than the previous year coverage. During 2011-12, totally an extent of 6.90 L.ha has been covered under paddy in the delta districts compared to 6.18 L.ha covered during 2010-11 showing an increase of 72000 Ha. under paddy.

2.2. Crop damage during 2011- 12

2.2.1. Damage due to North East Monsoon rains

Even though North East monsoon brought copious rains in the state, heavy rainfall in some of the districts affected crops in an extent of about 3685 Ha.

2.2.2. Damage due to Thane Cyclone

The cyclone **Thane** which hit Tamil Nadu on 30.12.2011 caused extensive damages to paddy, millets, pulses, sugarcane, groundnut and coconut in the districts of Cuddalore, Villupuram, Thanjavur, Nagapattinam, Thiruvarur, Kancheepuram, Thiruvallur, Dharmapuri and Thiruvannamalai. The crop damages were above 50 per cent in an extent of 1,85,922 Ha. affecting the livelihood of 2,51,129 small and marginal farmers and 30,081 other farmers.

The Government, as an initial measure, released ₹ 214.673 crores as relief assistance for the crop damages (₹10,000/- per hectare for paddy crop, ₹ 7500/- for other irrigated crops and ₹4000/- for other rainfed crops) to the affected farmers in these districts. Hon'ble Chief Minister also announced a special package of assistance for a sum of ₹ 35.67 crores for the affected farmers to take up re-cultivation and re-plantation of agricultural crops. This package would be applicable for one season to the farmers who have lost their annual crops viz., paddy, pulses, millets, groundnut, sugarcane etc., and to one year for those farmers who have lost their coconut crop.

The Government has sanctioned a sum of ₹ 15.80 crores for cutting and removal of broken / fallen coconut trees due to cyclone **Thane** besides providing ₹ 13.53 crores as maintenance subsidy for the rejuvenation of coconut garden for subsequent 4 years.

3. Area and Production during 2010-2011 & 2011-12.

The estimates of area and production for 2010-11 and anticipated achievement during 2011-12 are as follows:-

Crop	Area (L.ha.)			Production (L.MT)		
	Target	Anticipated Achmt. (2011-12)	Achmt. during 2010-11	Target	Anticipated Achmt. (2011-12)	Achmt. during 2010-11
Rice	22.00	20.74	19.06	85.50	79.62	57.92
Millets	10.00	9.51	6.31	23.50	23.08	15.57
Pulses	10.00	9.07	6.37	6.00	3.30	2.46
Total food grains	42.00	39.32	31.74	115.00	106.00	75.95
Oilseeds	6.50	5.56	4.49	14.62	12.17	9.33
Cotton (L.Bales)	1.50	1.39	1.21	4.00	3.08	2.48
Sugarcane (cane)	3.50	3.90	3.16	472.50	409.32	342.52
Total	53.50	50.16	40.60			

Compared to 2010-11, the total cultivated area under agricultural crops is expected to increase by 24 % and the total food grain area and production is anticipated to increase by 24% and 40% respectively during 2011-12.

Inspired by the vision of our Hon'ble Chief Minister to usher in **Second Green Revolution**, the Government took manifold proactive steps for the development of agriculture and the welfare of farmers. Due to the various crop specific strategies and technologies adopted in a larger extent, the food grain production is expected to reach 106 L.MT during 2011-12 compared to 75.95 L.MT estimated during 2010-11.

Area and Production Programme for 2012-2013.

Crop	Area (L.ha)	Production (L.MT)	Productivity (Kg/ha)
Rice	22.00	86.50	3932
Millets	11.00	26.95	2450
Pulses	10.40	6.55	629
Total food grains	43.40	120.00	
Oilseeds	6.60	15.00	2273
Cotton (L.Bales)	1.55	4.20	461
Sugarcane (cane)	3.60	493.50	137
Total	55.15		

4. Second Green Revolution in Tamil Nadu – Increase in Farm Productivity and Farmers' Income.

The Government has resolved to usher in **Second Green Revolution** in Tamil Nadu to improve the economic status of the farmers for which it has set itself to bring in necessary changes in strategies and approaches in agriculture as follows:-

1. Increasing the net cultivable area and productivity with crop specific interventions.
2. Soil health management approaches
3. Water resources management.
4. Input supply management system.
5. Crop specific strategies to bridge the yield gap.

6. Improving the economic status of farmers by increasing the productivity and substantially increase their income through farm based interventions and Integrated Farming System approach with extensive use of Information Technology.
7. Diversifying cultivation in favour of commercial crops while ensuring food and nutritional security.
8. Strengthening research and extension services in Tamil Nadu for “end-to-end” involvement of extension staff with individual farmer.
9. Capacity building for excellence.

Thrust Areas

- Soil health care and increasing the productivity per unit area
- Raising the income of farmers
- Strengthening and improving agriculture infrastructure
- Promoting Micro Irrigation to increase Water Use Efficiency
- Increasing the cropping and irrigation intensity
- Providing access to quality inputs
- Bringing fallow lands under cultivation

Table 1
PHYSICAL, TARGETS AND ACHIEVEMENTS

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
1	Seed Production in the State Seed Farms (Particularly foundation seed)						
1	Paddy	M.T.	1200	1550	1300	1350	1300
2	Millets	M.T.	50	40.972	50	42	50
3	Pulses	M.T.	100	125	120	120	120
4	Oilseeds	M.T.	80	85	100	100	100
5	Cotton	M.T.	4	5	5	5	5
2	Integrated Coconut Development Programme						
	Procurement of Seed nuts						
1	Tall	L.No.	6.00	5.00	6.00	5.96	6.00
2	Tall x Dwarf	L.No.	7.00	6.652	7.00	6.79	7.00
3	Dwarf x Tall	L.No.	0.50	0.213	0.50	0.34	0.500
	Distribution of Coconut Seedlings						
1	Tall	L.No.	4.50	4.132	4.50	4.04	4.50
2	Tall x Dwarf	L.No.	4.90	4.773	4.90	3.6	4.90
3	Dwarf x Tall	L.No.	0.175	0.061	0.175	0.05	0.175
3	Seed Multiplication Schemes						
I	Procurement and Distribution of certified Paddy & Millets						
	Procurement						
1	Paddy	M.T	18000	20081	18000	19479	18000
2	Millets	M.T	450	258	450	355	450
	Distribution						
1	Paddy	M.T	18000	19305	18000	18935	18000
2	Millets	M.T	450	277	450	302	450
	II Production of Certified Pulses Seeds	M.T	3990	3274	4500	3241	4570
	Distribution of Certified Pulses Seeds	M.T.	3990	2788	4500	3605	4570
	III Seed Multiplication Scheme under Cotton Development Programme						
1	Procurement	M.T	175	113	100	47.7	100
2	Distribution	M.T	175	83	100	56.9	100

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
IV	Increasing the Production of Oilseeds						
1	Procurement	M.T	6376	4302	6376	3400	6500
2	Distribution	M.T	6376	3935	6376	3446	6500
4	Seed Village Scheme						
1	Distribution of Seeds -Paddy	M.T	3000	4722	4000	6288	4000
2	Distribution of Seeds -Oilseeds	M.T	3750	2508	3500	3011	3500
3	Distribution of Seeds -Pulses	M.T	2000	2025	2500	2235	2500
4	Distribution of Seeds Millets	M.T	300	174	250	192	250
5	Training	Nos	2000	2000	4000	4000	4000
6	Storage Bin Distribution	Nos	39650	58283	..		
7	Construction of Seed Godown	Nos	..	53	..		
5	Integrated Sugarcane Development Scheme						
1	Area Coverage	Ha	350000	336000	350000	393300	350000
2	Area Coverage under planting of selected setts	Ha	350000	336000	350000	393300	350000
3	Area Coverage under optimum manuring	Ha	350000	336000	350000	393300	350000
4	Area Coverage under Plant Protection measures	Ha	350000	336000	350000	393300	350000
5	Release of parasites	Ha	11000	10500	11000	11025	11000
6	Integrated Cotton Development Scheme						
1	Area Coverage under improved varieties	Ha	150000	121000	150000	140500	150000
2	Area Coverage under agronomic practices	Ha	150000	121000	150000	140500	150000
3	Area Coverage under fertilizer application	Ha	150000	121000	150000	140500	150000
7	Intensive Cotton Development Programme under Mini Mission-II of Technology Mission of Cotton						
1	Supply of Breeder Seeds	Qtls	..	..	..	..	..
2	Certified Seed Distribution	Qtls	..	..	500	426	500
3	IPM Demonstration - Farmers Field School	Nos	150	150	100	99	100
4	Seed Treatment with Chemicals	Qtls	..	..	..	..	..
5	Pest Surveillance (Districts)	Nos	..	..	..	..	..
6	Distribution of Pheromone traps	Ha	..	..	..	..	10000
7	Distribution of Bio-Agents/Bio Pesticides	Ha	1300	1300	2000	2203	10000
8	Supply of Manually Operated Sprayers	Nos	..	..	..	..	..
9	Supply of Power Operated Sprayers	Nos	..	..	..	..	..
10	Front line Demonstration on Farm Implements	Nos	..	..	..	..	..
11	Farmers Training	Nos	50	48	..	..	50

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
12	Extension Officers Training	Nos	..	..	..	..	10
13	Distribution of Micronutrient Mixture	Ha	..	..	..	..	10000
14	Intercropping with pulses	Ha	..	..	..	..	..
15	Distribution of Bio-Fertilizers	Ha	..	..	..	..	10000
16	Production of Foundation Seeds	Qtls	..	..	..	..	200
17	Production of Certified Seeds	Qtls	..	..	500	412	500
18	Front line Demonstration on Production Technology	Ha	..	..	400	415	3000
19	Season Long Training to facilitators	Nos	1	1	..	..	..
8	AGRICULTURAL TECHNOLOGY MANAGEMENT AGENCY:						
1	Training	Nos	142	142	250		100
2	Demonstration	Nos	1125	1125	..		100
3	Exposure Visit	Nos	243		243	243	300
4	Farmers Scientists Interaction	Nos	..	..	..
5	Farm School	Nos	379	379	..		
6	Manpower Placement	Nos	..	..	1300	1219	1300
7	Farmer Friend Placement	Nos	..	..	8109	8109	8109
9	Farmers Training Centre						
1	Village Based Training	Nos	484	484	484	484	484
2	Village Based Training for Convenor	Nos	220	220	220	220	220
3	Peripatic Demonstration	Nos	2420	2420	2420	2420	2420
4	Method Demonstration	Nos	968	968	968	968	746
10	State Agricultural Extension Management Institute, Kudumianmalai (STAMIN)						
1	Computer Training	Nos	30	30	90	90	50
2	Management Training	Nos	155	155	82	82	150
3	Office Administrative Training	Nos	..	..	..	..	..
4	AAO Induction Training	Nos	..	..	600	600	1020
5	Water Management Training Institute(Training)	Nos	30	30	30	30	30
11	MACRO MANAGEMENT OF AGRICULTURE						
I	Cereal Development Programme						
1	Distribution of certified paddy seeds	M.T	12000	11630.08	13000	11146.18	13000
2	SRI Demonstration	Nos	20000	20274	..	..
3	IPM Demonstration cum Training at Rs.17000/-	Nos	550	547	..	..
4	Village Campaign	Nos	..	..	..	..

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
5	Distribution of Sprayer	Nos				..	4000
6	Distribution of Powertiller	Nos				..	150
7	Distribution of Rotavator	Nos				..	100
8	Distribution of Pumpset	Nos				..	100
	II Farmers' Interest Group						
I.	Formation of New Farmers Interest Groups	Groups	..	..	..
II.	Training to farmers	Groups	..	..	..
III.	Issue of ID. Cards	Groups	..	..	..
IV.	District level meeting	Nos	..	..	..
V	Contingency/documentation/communication	Groups	..	..	..
VI	State Level Meeting	Nos	..	..	..
	III Balanced and Integrated Use of Fertilizers						
a.	Conducting Orientation Courses to Technical personnels	Nos	..	..	..
b.	Printing of soil Health Cards & Distribution	L. Nos.	..	..	..
	IV Innovative Schemes						
a.	Training to School Children on IPM. Concept	Nos	..	..	..
b.	Rodent Control	L.Ha	..	..	..
c.	Rodent Control - Training	Nos	..	..	..
	V Tamil Nadu Women in Agri.Business and Extension (TANWABE)						
a.	Promotion of Micro enterprises through FWG/one day EDP Training	Nos	..	..	..
b.	Machinery Distribution of TANWABE Groups	Nos	..	..	..
12	1 National Agricultural Insurance Scheme (Farmers)	L.Nos	15.00	7.83	10.00	8.48	10.00

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
2	Weather Based Crop Insurance Scheme	Nos	23000	14811	35000	23953	35000
3	Coconut Palm Insurance Scheme	Ha	18500	1835	5594	329	5594
	Integrated Schemes on Oilseeds, Pulses, Oilpalm and Maize						
13	ISOPOM - Oilseeds						
1	Purchase of Breeder Seed	Qtl	300	366	300	582	300
2	Production of Foundation Seed	Qtl	6000	3725	6000	3324	6000
3	Production of Certified seed	Qtl	30000	32235	30000	23396	30000
4	Distribution of Certified Seed	Qtl	30000	24087	30000	12511	30000
5	Pipes for carrying water from source to field	Nos	1810	2113	3000	3440	3000
6	Compact Block Demonstration						
	a) Groundnut	Nos	100	90	500	469	500
	b) Gingelly	Nos	50	41	100	67	100
	c) Sunflower	Nos	100	69	250	192	250
7	IPM Demonstration	Nos	100	89	100	77	100
8	Distribution of Gypsum	Ha	15000	9267	10000	..	10000
9	Distribution of Bio-fertilizers	Ha	75000	97113	100000	82209	100000
10	Distribution of Bio-pesticides	Ha	5000	7412	5000	4151	5000
11	Distribution of PP equipments						
	a) Hand Operated Sprayers	Nos	500	2009	1000	2316	1000
	b) Power Operated Sprayers	Nos	500	1264	1000	1748	1000
12	Distribution of Weedicides	Ha	100	66	100	42	100
13	Farmers Training	Nos.	200	200	300	269	300
14	Officers Training	Nos.	5	5	10	8	10
15	Combined Nutrient spray for Groundnut	Ha	1000	1206	10000	6073	10000
16	Micro Nutrient Distribution	Ha	..	..	..	..	10000
14	ISOPOM - Pulses						
1	Breeder Seed Purchase	Qtl	..	..	..
2	Production of Foundation Seed	Qtl	1355	1524.291	..		
3	Production of Certified Seeds	Qtl	..	..	..
4	Distribution of Certified Seeds	Qtl	2304.42	1459	..		
5	Block Demonstration	Nos	466	352	..		
6	IPM Demonstration	Nos	..	..	..

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
7	Distribution of Bio-fertilizers	Ha	..	..	..
8	Distribution of Bio-pesticides	Ha	..	..	..
9	Distribution of NPV. Virus	Ha	..	..	..
10	Distribution of P.P. Equipments	Nos	..	..	..
11	Pipes for carrying water from source to field	Nos	73	68	..		
12	Farmers Training	Batch	..	..	..
13	Officers Training	Batch	..	..	..
14	DAP. Spraying	Ha	..	..	..
15	Micro Nutrient Spray	Ha	..	..	..
16	Distributions of Gypsum	Ha	..	..	..
15	ISOPOM-Oilpalm						
I	Assistance for Planting Material						
	a) 1st Instalment	Ha	3000	2054	3500	..	..
	b) 2nd Instalment	Ha	1348	237	3500	..	..
II	Area Expansion	Ha	3000	2054	..	..	..
III	Cultivation Maintenance Subsidy						
	a) 2nd Year	Ha	1500	960	2060	1596	..
	b) 3rd Year	Ha	1786	1327	1200	832	2060
	c) 4th Year	Ha	1600	1251	1450	1131	1200
IV	Drip Irrigation						
	a) Other Farmers	Ha	57	44	..	..	..
	b) SF/MF/SC/ST	Ha	60	23	..	..	..
V	Training						
	a) Farmers Training	Batch	2500	2500	3000	3200	3000
	b) Officers Training	Batch	6	6	11	11	11
VI.	Pipes Carrying water from source to field	Ha	.	.	.	.	1000
VII	New and Innovative Components						
	Block Demonstration	Nos	..	..	..	..	250
	IPM for Oilpalm	Ha	2000	1595	2000	1602	2000
	Covering wire mesh to avoid rat menace	Ha	1200	581.40	500	431	500
16	ISOPOM -Maize						
1	Breeder Seed Production	Qtls	2	0.24	2	..	
2	Production of Certified Seeds through Department Rs.1000/- Per Qtl	Qtls	200	301.83	250	219	300

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
3	Distribution of Certified Seeds @ Rs.1200/- Qtl	Qtls	278	217.95	250	205	300
4	Block Demonstration	Nos.	614	594	700	690	720
5	IPM Demonstration	Nos	40	34	40	36	45
6	Farmer's Training	Nos	50	50	50	50	60
7	Officers Training	Nos	6	6	6	6	7
8	Pipe Line for carrying water from water source to the field	Nos	202	238	250	285	240
9	State Level Workshop	Nos	1	..	1	..	
	COCONUT DEVELOPMENT BOARD SCHEMES (100%)						
17	Integrated Farming in Coconut holdings for Productivity Improvement						
a	Laying out of demonstration	Ha.	1500	1492	1499	1426	1500
18	Coconut Development Board Assistance Scheme (50:50)						
1	Production and Distribution of Hybrid Seedlings at Navlock						
	Distribution of Seedlings	L.Nos	1.12	0.707	1.12	0.821	1.12
2	Establishment of Regional Cocount Nurseries- Production and Distribution of Cocount Seedlings	L.Nos	2.30	4.63	2.30	2.783	2.30
					
19	1 Soil Testing Lab-Soil Samples analysed	Nos	844250	578466	2100000	954105	4550000
	2 Mobile Soil Testing Lab - soil samples analysed	Nos	288960	204179			
	3 Bio-Fertilizer Production	M.T	1600	1795	3850	1660	3850
	4 Pesticides Testing Labs - Pesticide samples analysed	Nos	21850	20703	21850	19626	21850
	5 Fertilizer Testing Labs - Fertilizer samples analysed	Nos	17500	18011	17500	17338	17500
	6 Micronutrient Mixture Production	MT	1400	1400	1400	1135	1400
20	1 Blue Green-Algae Production	M.T	525	525	525	520.98	525
	2 Blue Green-Algae Distribution	M.T	525	525	525	510.98	525
	3 Green Manure Seeds Procurement	M.T.	250	142.32	250	154.09	250
	4 Green Manure Seeds Distribution	M.T	250	142.32	250	154.09	250
	5 Bio-fertilizer Distribution	L.Nos	80	89.34	192.5	83	..
	6 Micronutrient Mixture Distribution	MT	1400	1419.42	1400	1135	1400
	7 Production of Compost through Pleurotus from Farm waste	Nos	5000	5000	5000	4662	5000

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
8	Production of Vermi Compost from Farm Waste						
	1 Demonstration	Nos	300	300	300	300	300
	2 Training to Farmers	Nos	15000	15000	15000	15000	15000
9	Soil Survey and Land Use Organization	L.Ha.	0.99	0.54993	0.99	0.52	0.99
10	Saline and Alkaline Land Reclamation Scheme	Acre	4000	2734	4000	..	4000
21	National Project on Organic Farming						
1	Training of farmers on Organic farming	Nos	..	..	..	..	..
2	Setting up of Model Organic Farm	Ha	..	..	..	..	..
3	Organisation of State and Regional workshop	Nos	..	..	..	..	..
4	Setting up of Vermiculture Hatcheries in State Seed Farms	Nos	..	..	..	..	..
					
22	Organic Farming in Western Ghat Development Programme	Nos	120	120	..	..	..
23	Crop and Plant Protection Scheme						
1	Crop and Plant Protection Scheme - Pesticide Samples Collected	Nos	21850	20544	21850	21850	21850
	Bio Control agent Production						
2	Preudomonas fluorescens	Kgs	27000	38567	48000	48000	48000
3	Trichoderma Viridi	Kgs	12200	14950	24000	24000	24000
4	T.Chilonis	CC	7500	7263	7500	8615	7500
5	NPV	Lit	2000	3250	2000	2000	2000
6	Production of Green Mascardine Fungi	Tubes	55000	40200	55000	5000	55000
7	NPV	Lit	250	50	250		
24	National Watershed Development Project in Rainfed Areas (NWDPR)						
	Progress made under NWDPR						
1	Area Covered	Ha	5110	5110	20583		

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
25	National Agricultural Development Programme-RKVY						
1	Precision Farming	Ha	4000	4000	4000	3400	2000
2	Establishment of Agri Clinic with Mini Soil Testing Laboratories	Nos	41	6	35		
3	Establishment of Land Resource Inventory and GIS Database for Farm, Village and Block Level Planning	L.Ha	..	..	1.42	1.42	
4	Dryland Development and Maximizing Millet Crop	Ha	..	..	..
	a. Productivity						
	b.Machineries distribution	Nos	..	102	..		
5	Promotion of Organic Farming and Organic Manure Production in Tamil Nadu		..	..	..
	a. Establishment of Vermi Compost Model Units	Nos	..	..	..
	b. Establishment of Municipal Compost units (259 Original)	Nos	..	..	..
	1. Municipal Compost Unit	Nos	..	2(MC) & 26 (Vermi)	..		
	2. Vermi Compost Units	Nos	..	91	..		
	c. Establishment of Bio Input Production Units	Nos	..	789.18 M.T of Green Manure Seeds	..		
	Oil Palm area expansion				3500	2144	3500
6	Quality Seed Production & Distribution						
a	Irrigation facilities	Nos	..	..	..
b	Machineries & Equipments	Nos	2	2	..		
c	Purchase of new SPU Units	Nos	..	..	..
d	Subsidy to SHG's for establishing SPU's	Nos	10	10	2	2	
e	Production and Distribution of quality seeds:						
	i. Hybrid Rice	MT.	260.64	28.658	231.982		
	ii. Pulses	MT.	1921	81.068	1839.932		

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
	iii. Oilseeds	MT.	9142	33.81	9108.19		
	iv. Distribution of Cocount Seedlings	L.Nos	3.219	3.091	10.000	1.47	
7	Augmenting Pulses Production through DAP Spray	L.Ha	2.00	2.03	2.5	2.50	0.5
8	Establishment of Bio Fertilizer Production Units		..	..	..
9	Promoting SRI through Demonstration	Ha	50000	54165	90000	67500	100000
10	Distribution of conoweeders and markers to TANWABE women groups	Nos	4	5	71053	71053	
11	Awards to farmers getting higher yield under organic rice cultivation	Nos	3	3	..		
12	Combined nutrient spray for Groundnut	Ha	10160.5	10200	-		
13	Gypsum distribution for Groundnut	Ha	100000	90264	-	..	50000
14	Micro Irrigation Units for Pulses and Oilseeds	Ha	2558	2526	43		
15	Productivity improvement of Pulses	Ha	534	406	128	128	
16	Intensification of Minor Millets	Ha	613	585	..	..
17	Mass spraying for control of mealy bugs in crops	Ha	..	..	..
18	Application of Zinc Sulphate to Paddy growing areas	Ha	100000	95198	2980	1717	100000
26	National Food Security Mission - Rice						
1	Demonstration on improved package of Practices	Nos	..	..	..
2	Demonstration on System of Rice intensification (SRI)	Nos	2000	2000	2000	2000	1500
3	Demonstration on Hybrid Rice Technology	Nos	353	353	800	800	800
4	Support for Promotion of Hybrid Rice						
	a. Assistance for production of Hybrid Rice Seed	Qtls	..	..	75	45.14	50
	b. Assistance for distribution of Hybrid Rice Seed	Qtls	440	287.5	440	325	300
5	Assistance for distribution of HYVs Seeds	Qtls	130000	129200.8	154952	153222	130000

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
6	Incentive for Micro Nutrients	Ha	40394	40795	37000	38810	15000
7	Incentive for Cono Weeder and other farm implements	Nos	12640	12828	6500	7105	3000
8	Assistance for Plant Protection Chemical and Bio agents	Ha	25000	24667	23500	25430	15000
9	Farmers Training at FFS Pattern	Nos	200	200	106	106	150
10	Seed Minikits Distribution	Nos	12604	12604	4184	4184	10605
11	Distribution of Pumpsets	Nos	4833	2663	3022	3247	3000
12	Distribution of Seed Drill	Nos	..	..	..	..	100
13	Distribution of Rotavator	Nos	537	366	376	281	300
14	Distribution of Knapsack Sprayer	Nos	9691	23959	6240	16980	5000
15	Distribution of Power Weeder	Nos	76	56	20	20	400
16	Distribution Laser Land leveller	Nos.	..	..	5	3	5
17	Local Initiatives						
	a.Distribution of Power Tiller	Nos	191	190	200	200	700
	b.Distribution of transplanter	Nos	20	20	10	10	100
	c.Distribution of Tarpaulin	Nos	..	..	..	..	500
27	National Food Security Mission - Pulses						
1	Seed						
	a. Purchases of Breeder Seed	Qtls.	185	157	200	151.499	
	b. Production of foundation and certified seeds of pulses	Qtls.	32300	25109	2654	16917	
	c. Distribution of Certified seeds	Qtls.	30000	9969	12000	4864	
2	Organisation of technology demonstration	Nos	3600	3158	..		
3	Distribution of Gypsum	Ha.	7200	18082	4600	3182	
4	Assistance for distribution of PP Chemicals	Ha.	8500	6893	7000	7249	
5	Integrated Nutrient Management -Micronutrient	Ha.	10182	7966	6000	5084	
6	Integrated Pest Management	Ha.	5600	4689	8500	8155	
7	Distribution of Sprinkler sets	Nos.	195	153	130	103	
8	Training to Pattern of FFs	Nos.	200	190	150	121	
9	State Level training for Trainees	Nos.	..	..	1	-	
10	Assistance to Purchase of Pumpsets	Nos.	335	261	500	233	
11	Incentive for Purchase of Knapsack Sprayer	Nos.	3175	3237	542	880	

Sl. No	Name of the Scheme	Unit	2010-2011		2011-2012		2012-2013
			Target	Achievement	Target	Achievement	Target
12	Assistance for weedicides	Ha.	..	..	1200	890	
13	Assistance for pipe carrying water from source to field	Metres	610000	371595	400	501	
14	Distribution of Rotavators	Nos.	160	140	240	232	
15	Distribution of Power Tillers	Nos.	..	..	530	489	
16	Supply of Storage Bins	Nos.	..	..	..
17	Farmers Exposure visits	Batches	..	..	..
18	Distribution of Laser Land leveller	Nos	30	2	5	2	
19	Assistance of Rhizobium/ PSB distribution		20000	19243	15000	12875	
20	Encouraging quantity seed production	Groups	..	..	..
	Local Initiatives						
	1. Line marker for sowing	Nos	..	..	..
	2. Distribution of tarpaulin	Nos	1250	1197	..		
	3. Mobile Sprinkler/raingun	Nos	550	285	60	41	
28	TN IAMWARM						
1	Demonstration	Ha	15740	15740	16415	16415	
2	Agriculture Implements Distribution	Nos	9433	9433	20003	20003	
29	CROP YIELD COMPETITION:						
	District Level	Nos	62	62	62	62	62
	State Level	Nos	6	6	6	6	6
30	Part II Schemes 2009-10						
i	Construction of AEC's	Nos	1	1	2	2	5
ii	Construction of Integrated office complex for Agriculture	Nos	1	1	1	..	2
iii	Purchase of Xerox Machines	Nos	1	1	..		

TABLE 2
FINANCIAL REQUIREMENT (Major Head wise)

(₹ in thousands)

Sl. No.	Head of Account	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
		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	20000	0	0	20000	0	20000	0	0	20000	0	21000	0	0	21000
	2202-General Education	2	0	0	0	2	2	0	0	0	2	0	0	0	0	0
	2401- Crop Husbandry	5094400	5746921	310076	386184	11537581	6927599	8169501	336312	325514	15758926	7570153	13842246	336312	382816	22131527
	2402-Soil & Water Conservation	3	171391	0	400004	571398	76295	200840	0	123723	400858	2	205809	0	284328	490139
	2415-Agrl. Res. & Education	51129	6796	0	0	57925	51167	6747	0	0	57914	51161	5766	0	0	56927
	2435-Other Agrl. Programmes	0	64777	0	0	64777	0	70548	0	0	70548	0	72614	0	0	72614
	2501-Rural Development	0	0	0	120000	120000	0	0	0	235772	235772	0	0	0	264700	264700
	2551-Hill Areas	525	0	0	0	525	1	0	0	0	1	1	0	0	0	1
	2852-Consumer Industries Sugarcane Farms	0	77	0	0	77	0	77	0	0	77	0	0	0	0	0
	Total	5146059	6009962	310076	906188	12372285	7055064	8467713	336312	685009	16544098	7621317	14147435	336312	931844	23036908
	DEMAND NO.5															
IV.	CAPITAL OUTLAY															
1	4401-Capital Outlay on Crop Husbandry	310418	0	90609	1	401028	258025	0	90609	1	348635	221138	0	1	1	221140
2	4402-Capital Outlay on Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	TOTAL	310418	0	90609	1	401028	258025	0	90609	1	348635	221139	0	1	1	221141

TABLE 3

DEMAND NO.5 - AGRICULTURE

FINANCIAL REQUIREMENT (Minor Head wise)

Sl. No.	Head of Account	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
		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	20000	0	0	20000	0	20000	0	0	20000	0	21000	0	0	21000
	Total	0	20000	0	0	20000	0	20000	0	0	20000	0	21000	0	0	21000
2202-General Education																
	Scholarships	2	0	0	0	2	2	0	0	0	2	0	0	0	0	0
	Total	2	0	0	0	2	2	0	0	0	2	0	0	0	0	0
2401-Crop Husbandry																
1	Direction and Administration	0	171997	0	0	171997	0	168126	0	0	168126	31525	156403	0	0	187928
2	Foodgrain Crops	601408	0	295056	105311	1001775	1201408	0	310052	57508	1568968	1201408	0	310052	106854	1618314
3	Seeds	163334	691693	0	0	855027	295403	781526	0	0	1076929	289809	863642	0	0	1153451
4	Agricultural Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Manures and Fertilizers	1158	3670	13	1	4842	1158	3504	3	1	4666	1098	3225	3	1	4327
6	Plant Protection	16281	45285	1	0	61567	16282	47813	1	0	64096	16282	48365	1	0	64648
7	Commercial Crops	121799	76156	2	45126	243083	276781	72271	2	20540	369594	775298	73302	2	18711	867313
8	Extension and Farmer's Training	242989	1766320	2	5000	2014311	268893	1704461	2	39460	2012816	294497	1697309	2	39460	2031268
9	Crop Insurance	1377311	0	0	0	1377311	1384811	0	0	0	1384811	1384811	0	0	0	1384811
10	Development of Pulses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Development of Oilseeds	0	0	15002	148995	163997	0	0	26252	145938	172190	0	0	26252	139976	166228
12	Special Component Plan for SCs	1652142	0	0	80051	1732193	2154793	0	0	59656	2214449	2258528	0	0	75503	2334031
13	Spl.Central Assistance for SC CP	0	0	0	1700	1700	0	0	0	2349	2349	0	0	0	2311	2311
14	Tribal Area Sub-Plan	54337	0	0	0	54337	66845	0	0	62	66907	55515	0	0	0	55515
15	Other Expenditure	863641	2991800	0	0	3855441	1261225	5391800	0	0	6653025	1261382	11000000	0	0	12261382
	Total	5094400	5746921	310076	386184	11537581	6927599	8169501	336312	325514	15758926	7570153	13842246	336312	382816	22131527

Sl. No.	Head of Account	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
		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									
2402 Soil and Water Conservation																
16	Soil Survey and Testing	0	171391	0	2	171393	0	200840	0	2	200842	0	205809	0	2	205811
17	Soil Conservation	1	0	0	400000	400001	1	0	0	123500	123501	1	0	0	284323	284324
18	Land reclamation and Developme	1	0	0	2	3	1	0	0	221	222	1	0	0	3	4
19	Other Expenditure	1	0	0	0	1	76293	0	0	0	76293	0	0	0	0	0
	Total	3	171391	0	400004	571398	76295	200840	0	123723	400858	2	205809	0	284328	490139
2415-Agricultural Research & Education																
01. Crop Husbandry																
20	Research	51129	3024	0	0	54153	51167	3099	0	0	54266	51161	3037	0	0	54198
21	Assistance to other Institutions	0	3772	0	0	3772	0	3648	0	0	3648	0	2729	0	0	2729
22	Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	51129	6796	0	0	57925	51167	6747	0	0	57914	51161	5766	0	0	56927
2435-Other Agricultural Programmes																
01. Marketing & Quality Control																
23	Marketing Facilities	0	57316	0	0	57316	0	63160	0	0	63160	0	63845	0	0	63845
24	Grading & Quality Control Faciliti	0	7461	0	0	7461	0	7388	0	0	7388	0	8769	0	0	8769
25	Other Expenditure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	64777	0	0	64777	0	70548	0	0	70548	0	72614	0	0	72614
2501-Special Programme for Rural																
02. Drought Prone Areas																
26	Other Expenditure	0	0	0	100000	100000	0	0	0	6100	6100	0	0	0	6100	6100
05. Wasteland Development																
27	National Wasteland Development Programme	0	0	0	20000	20000	0	0	0	229672	229672	0	0	0	258600	258600
	Total	0	0	0	120000	120000	0	0	0	235772	235772	0	0	0	264700	264700
2551-Hill Areas																
01. Western Ghats																
28	Crop Husbandry	525	0	0	0	525	1	0	0	0	1	1	0	0	0	1
	Total	525	0	0	0	525	1	0	0	0	1	1	0	0	0	1
2852-Industries																
08-Consumer Industries																
29	Sugarcane Farms Corporation	0	77	0	0	77	0	77	0	0	77	0	0	0	0	0
	Total	0	77	0	0	77	0	77	0	0	77	0	0	0	0	0
	Grand Total	5146059	6009962	310076	906188	12372285	7055064	8467713	336312	685009	16544098	7621317	14147435	336312	931844	23036908

TABLE 4
FINANCIAL REQUIREMENT (Minor Head wise)

Capital outlay

(₹ in thousands)

Sl. No.	Head of Account	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
		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	176137	0	90609	0	266746	219137	0	90609	0	309746	176137	0	1	1	176139
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	0	0
4	Other Expenditures	134301	0	0	0	134301	38888	0	0	0	38888	45001	0	0	0	45001
	Total	310438	0	90609	1	401048	258025	0	90609	1	348635	221138	0	1	1	221140
	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	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	Total	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

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

(₹ in thousands)

Sl. No.	Head of Account	Actuals for 2010-2011	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
			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																	
01. Salaries																	
	01. Pay	1613314	111	1662287	0	4969	1667367	105	1592519	0	4026	1596650	99	1502468	0	3305	1505872
	02. Medical Allowance	7871	2	8813	0	33	8848	2	8151	0	30	8183	2	8600	0	34	8636
	03. Medical Charges	2386	0	3779	0	15	3794	0	2500	0	12	2512	0	2540	0	10	2550
	04. Other Allowance	20822	10	20870	0	85	20965	14	20870	0	85	20969	14	21539	0	89	21642
	05. Interim Relief	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	06. HouseRentAllowance	87898	12	92748	0	348	93108	6	86622	0	238	86866	6	91519	0	214	91739
	07. Travel Concession	731	0	3725	0	5	3730	0	2804	0	5	2809	0	2834	0	5	2839
	08. City Comp. Allowance	8297	0	9946	0	45	9991	0	8589	0	42	8631	0	9063	0	42	9105
	02. Wages	57260	1500	50000	1	2511	54012	1500	53804	1	2511	57816	1527	50807	1	2546	54881
	03. Dearness Allowance																
	01. Dearness Allowance	618474	62	815964	0	2370	818396	54	824934	0	2110	827098	62	946588	0	2081	948731
	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	71999	10	70548	0	120	70678	10	80890	0	136	81036	20	70266	0	120	70406
	02. Transfer TA	459	0	650	0	4	654	0	650	0	4	654	0	646	0	4	650
	03. Fixed TA	7399	0	10362	0	0	10362	0	8349	0	0	8349	0	8349	0	0	8349

Sl. No.	Head of Account	Actuals for 2010-2011	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
			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
05. Office Expenses																	
	01.Telephone Charges	3200	4471	3059	0	4	7534	2000	2510	0	4	4514	2000	2510	0	4	4514
	02. Other Contingencies	10074	93	8759	0	32	8884	1576	8759	0	32	10367	693	8969	0	32	9694
	03. Electricity Charges	12010	1630	18774	0	1	20405	1630	17866	0	1	19497	1715	18662	0	1	20378
	04.Service Postage	3750	0	3500	0	0	3500	0	4000	0	0	4000	0	3992	0	0	3992
	05.Furniture	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06. Rent																	
	01. Rent	8693	15	7860	0	0	7875	15	10321	0	0	10336	15	9540	0	0	9555
	02. Property Tax	12223	0	5623	0	0	5623	0	10981	0	0	10981	0	11291	0	0	11291
	03. Water Charges	394	0	585	0	0	585	0	593	0	0	593	0	621	0	0	621
	04. Lease for Lands	12	0	21	0	0	21	0	7375	0	0	7375	0	26	0	0	26
	05. Others	0	0	9	0	0	9	0	1	0	0	1	0	1	0	0	1
07.Publicaion																	
		401	0	300	0	0	300	0	300	0	0	300	0	300	0	0	300
08. Advertising & Publicity																	
	01.Advt. Charges	5857	5192	1100	50	100	6442	6056	1100	50	902	8108	5192	1079	50	100	6421
	02.Exhibition	1098	0	1397	0	0	1397	0	1477	0	0	1477	0	1608	0	0	1608
	03.Demonstration	263	360	0	11	0	371	360	0	1	0	361	300	0	1	0	301
09. Grant-in-Aid																	
	01-Grants for Current	1670	0	1401	0	0	1401	0	1478	0	0	1478	500000	1401	0	0	501401
	Expenditure																

Sl. No.	Head of Account	Actuals for 2010-2011	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
			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
	02-Grants for capital	80625	2	0	0	1	3	2	0	0	219	221	2	0	0	1	3
	Expenditure																
	03-Grants for specific Schemes	3569934	350326	2991800	206405	125001	3673532	310003	5391800	250000	275233	6227036	310003	11000000	250000	304161	11864164
	10. Contribution																
	02.Insurance Premium	55	0	75	0	0	75	0	191	0	0	191	0	75	0	0	75
	09-Others	6	0	6	0	0	6	0	6	0	0	6	0	6	0	0	6
	11. Subsidies																
	01.Ind.based subsidy	1075704	997598	9500	73600	760367	1841065	1569271	9500	26251	386942	1991964	1499201	2	26251	608917	2134371
	02.General subsidy	1429586	1000000	0	0	0	1000000	2004745	0	0	0	2004745	2000000	0	0	0	2000000
	12.Scholarship and stipend																
	09 Others	1203	6002	0	0	0	6002	6002	0	0	0	6002	1498	0	0	0	1498
	16 Major Works	0	1	0	0	0	1	75893	0	0	0	75893	0	0	0	0	0
	17. Minor Works	25	0	50	0	0	50	400	50	0	0	450	0	50	0	0	50
	18. Maintenance																
	01.Periodical Maintenance	15673	0	20000	0	0	20000	0	20000	0	0	20000	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

Sl. No.	Head of Account	Actuals for 2010-2011	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
			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
19.	Machinery&Equipemnt																
	01. Purchase	4019	30551	6350	3	1	36905	40146	6350	3	1	46500	37496	1	3	1	37501
	02.Renewal and replacement	9	0	10	0	0	10	0	10	0	0	10	0	10	0	0	10
	03. Maintenance	3468	1	3711	0	32	3744	1	4255	0	32	4288	1	3713	0	32	3746
21.	Motor Vehicles																
	01.Purchase	12	0	1	0	0	1	0	1	0	0	1	0	1	0	0	1
	02. Maintenance FV	664	0	1262	0	4	1266	0	1058	0	100	1158	0	1048	0	4	1052
24.	Materials and Supplies	74168	25061	41191	0	30	66282	38523	44296	0	30	82849	47445	35074	0	30	82549
25.	Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Inter Account Transfers	20407	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
33.	Payments for Professional and Special Services																
	01.Pleaders fees	251	1	287	0	0	288	22	337	0	0	359	2	254	0	0	256
	02-Remuneratiom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03-Special Service	184	2821	0	0	1	2822	6290	0	0	1	6291	3221	0	0	1	3222
	04-PP&SS Contract Paymen	4542	0	4963	0	0	4963	0	3250	0	0	3250	19686	2525	0	0	22211
	09.Other payments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sl. No.	Head of Account	Actuals for 2010-2011	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
			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
34	Other Charges																
	01. Other items	14	0	13	0	0	13	0	14	0	0	14	0	3	0	0	3
	02-Purchase/Books etc	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0
42.	Service Commit. Charges	21670	14875	2647	0	0	17522	17740	3799	0	0	21539	20330	5176	0	0	25506
45.	Petrol, Oil & Lubricants	10600	452	13936	0	750	15138	534	14173	0	751	15458	4912	14716	0	750	20378
46.	Clothing, Tentage & Stores	482	0	650	0	0	650	0	650	0	0	650	0	647	0	0	647
47.	Stores & Equipments	0	0	550	0	0	550	0	550	0	0	550	0	542	0	0	542
49.	Festival Advance																
	01.Festival advance -Debit	7927	4	20400	0	58	20462	2	21245	0	71	21318	2	20141	0	76	20219
	02.Festival advance-Credit	-15113	-4	-20400	0	-58	-20462	-2	-21245	0	-71	-21318	-2	-20140	0	-76	-20218
51.	Compensation																
	01.Claims under nofault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	liability-principal charges																
	02. Other Compensation	406836	2000000	0	0	0	2000000	2000000	0	0	0	2000000	2000000	0	0	0	2000000
59.	Prizes and Awards	1748	1485	433	0	0	1918	2715	433	0	1	3149	3219	431	0	1	3651

Sl. No.	Head of Account	Actuals for 2010-2011	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
			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	19	0	20	0	0	20	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	1164045	670269	99940	1	3119	773329	907828	195380	1	4200	1107409	1101566	266081	1	3119	1370767
71.	Printing Charges	0	0	0	0	2	2	0	0	0	2	2	0	0	0	2	2
72.	Training	66759	35788	2068	30004	5728	73588	57795	3637	60004	6849	128285	52889	3971	60004	5728	122592
73.	Transport Charges	33401	20857	8000	0	510	29367	24967	10883	0	510	36360	31093	11181	0	510	42784
76.	Computers Accessories																
	01 Purchase	34	1	951	1	0	953	2359	951	1	0	3311	751	1	1	0	753
	02 Maintenance	1966	0	2671	0	0	2671	0	2671	0	0	2671	0	2671	0	0	2671
	03 Computer Stationery	2840	0	3000	0	0	3000	0	3000	0	0	3000	0	3000	0	0	3000
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	-809	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03.Other recoveries	-18103	-23500	-6205	0	0	-29705	-23500	-7010	0	0	-30510	-23643	0	0	0	-23643
99.	Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	10521407	5146059	6009962	310076	906188	12372285	7055064	8467713	336312	685009	16544098	7621317	14147435	336312	931844	23036908

TABLE 5B
FINANCIAL REQUIREMENT (Object wise)

(₹ in thousands)

Sl. No.	Head of Account	Actuals for 2010-2011	BUDGET ESTIMATE 2011-2012					REVISED ESTIMATE 2011-2012					BUDGET ESTIMATE 2012-2013				
			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	168914	210438	0	90609	1	301048	258025	0	90609	1	348635	221139	0	1	1	221141
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	168914	210438	0	90609	1	301048	258025	0	90609	1	348635	221139	0	1	1	221141

2. HORTICULTURE AND PLANTATION CROPS

Government of Tamil Nadu has recognized that horticulture is emerging as the growth engine of agriculture in recent years. Horticulture crops are cultivated in an area of 11.08 lakh hectares with an annual production of 202.64 lakh MTS. Horticultural development should be measured not only on the basis of increase in production and productivity but also on the basis of income generation and economic development of the farmers. Horticultural crops provide remunerative means for diversification, nutritional security, raw materials for agro-based industries and foreign exchange earnings through export besides generating adequate employment opportunities among land- less laborers'. Horticulture will receive a fillip only when an integrated approach linking production, processing and marketing is adopted.

It is programmed to double the production at the end of the 12th Five Year Plan period of 2012 -17 for achieving the second Green Revolution . In order to achieve this mandate, various developmental schemes are implemented by Horticulture Department.

The main objectives of the Department of Horticulture and Plantation Crops are given below:-

1. Increasing production and productivity through adoption of Hi-tech horticulture practices.
2. Strengthening the production and supply of quality Pedigree Planting materials
3. Timely supply of inputs – High yielding / Hybrid seeds, fertilizers, bio-fertilizers, bio-pesticides, etc.
4. Promoting high density planting in perennial crops
5. Efficient and effective utilization of water and fertilizer through Precision farming
6. Thrust on Integrated Nutrient Management & Integrated Pest Management
7. Canopy management, Rejuvenation of old orchards
8. Reduction of post-harvest losses through modern post-harvest technologies.

9. Providing refrigerated transportation facilities for horticulture produce to reach the local, national and international market.
10. Availability of horticultural produce in the markets for consumers through retail outlets.
11. Creating awareness on Organic farming through a multi pronged approach.
12. Ensuring higher income to farmers through efficiency improvement in the production, supply chain and market linkages of Horticultural produce, using Information Technology.
13. Use of Information Technology tools in administration, information exchange, extension, marketing, etc for speedy transfer of horticulture related information
14. More thrust on Horticulture Based Farming system in Rain fed areas.
15. Capacity building for Department Personnel / Farmers / Entrepreneurs.
16. Strengthening infrastructure facilities in the Horticulture training institutes.
17. Promotion of Horticulture as an Integrated activity involving Agriculture, Animal Husbandry, Silviculture, Apiculture, Sericulture, Fisheries , etc. in rural areas and encouraging Terrace gardening in the cities.
18. Development of new gardens and eco-parks for promotion of tourism
19. Effective utilization of assets in the State Horticulture Farms

The Department of Horticulture and Plantation Crops is implementing the following development schemes to achieve the above objectives:-

State Plan Schemes

- 1) a) Integrated Horticulture Development Scheme
b) Horticulture Training Centers
- 2) Integrated Tribal Development Programme

- 3) Western Ghats Development Programme
- 4) Hill Area Development Programme
- 5) National Agricultural Development Programme
 - a) Precision farming
 - b) Hi-tech productivity enhancement programme
 - c) Peri-metro vegetable cluster development programme
 - d) Rainfed area development programme
- 6) City Vegetable Development Scheme
- 7) National Agriculture Insurance Scheme
- 8) Weather Based Crop Insurance Scheme

Scheme implemented by TANHODA

- 1) National Horticulture Mission
- 2) Micro – Irrigation Scheme
- 3) National Mission on Medicinal Plants
- 4) National Bamboo Mission
- 5) State Horticultural Farms
- 6) Tamil Nadu IAMWARM Project (Tamil Nadu Irrigated Agriculture Modernization and Water Bodies Restoration and Management)

TABLE - 1**Area and Production of Horticultural crops in Tamil Nadu****for the Year 2010-11, 2011-12 & 2012-13****(Area: Lakh Ha., Production: Lakh MT.)**

Sl. No	Name of Crops	2010-11		2011-12 (Projected)		2012-13 (Estimated)	
		Area	Prodn.	Area	Prodn.	Area	Prodn.
1	Fruits	3.20	79.65	3.32	85.35	3.72	101.94
2	Vegetables	2.73	83.87	2.84	90.52	3.18	107.59
3	Spices & Condiments	1.66	9.39	1.73	10.87	2.10	15.11
4	Plantation Crops	2.65	11.47	2.75	11.99	3.04	13.86
5	Flowers	0.31	3.00	0.32	3.23	0.39	4.21
6	Medicinal & Aromatic Plants	0.11	0.61	0.12	0.68	0.12	0.72
	Total	10.66	187.99	11.08	202.64	12.55	243.43

TABLE – 2

State Plan Schemes Physical and Financial Target and Achievement

The financial allocation for the year 2011-12 with the expenditure details incurred and the proposed outlay for the year 2012-13 for the State Plan Schemes are furnished below.

Finance: ₹ in lakhs

S. No	Name of the Scheme	Unit	2011-2012				2012-13 (Revised Budget Estimate)	
			Physical		Financial		Phy.	Fin.
			Target	Achmt.	Target	Achmt.	Target	Target
1	Integrated Horticulture Development Scheme	Ha.	26583	26583	371.18	371.18	75000	1925.00
2	Horticulture Training Centre	Nos.	6400	6400	6.97	6.97	6400	19.20
3	Integrated Tribal Development Programme	Ha.	907	907	40.00	40.00	1000	40.00
4	Western Ghat Development Programme	Ha.	0	0	0	0	1000	186.00
5	Hill Area Development Programme	Ha	4000	4000	206.80	206.80	4000	240.00
6	City Vegetable Development Programme	Ha	200	200	3.50	3.50	200	100.00
7	National Agriculture development programme	Ha.	16671	9502	4434.83	2511.86	21410	10838.00
8	National Agricultural Insurance Scheme	Acres	24000	24000	950.00	566.52	24000	950.00
9	Weather Based Crop Insurance Scheme	Acres	4132	4132	52.50	43.28	4132	52.50
10	Part – II Scheme				110.00	110.00		75.00
	TOTAL				6175.78	3860.11		14425.70

TABLE – 3
PROGRESS OF SCHEMES IMPLEMENTED BY TANHODA

Physical : Ha.

Financial ₹. in lakhs

Sl. No.	Name of the Scheme	Unit	2011-2012				2012-2013 Revised Budget Estimate	
			Physical		Financial		Physical	Financial
			Target	Achmt	Target	Achmt	Target	Target
1	National Horticulture Mission	Ha.	47100	42096	7294.14	6572.00	50845	15000.00
2	National Mission on Medicinal Plants	Ha.	3774	3774	918.00	918.00	5000	1200.00
3	Nation Mission on Micro Irrigation	Ha.	30000	27550	9687.50	8744.00	70000	41000.00
4	National Bamboo Mission	Ha.	250	250	40.00	40.00	400	70.00
5	State Horticultural Farms	Lakh Nos	170.45	166.27	1380.93	1103.76	178	1450.00
6	Tamil Nadu IAMWARM	Ha.	8182	6562	1338.45	960.19	8258	1308.00
	Total				20659.02	18337.95		60028.00

3. AGRICULTURAL ENGINEERING

1. Introduction

Agricultural Engineering Department is implementing, Soil and Water conservation programmes, Water Management programmes to conserve and develop the land and water resources of the state to achieve the vision of increasing the agricultural production. The department is also implementing Agricultural Mechanisation programmes in a mission mode approach to popularise the use of agriculture machinery / implements in Agriculture besides custom hiring of agricultural machinery to farmers.

2. Soil and Water Conservation programmes

Soil and water conservation programmes are implemented in River Valley Catchments, Hill areas, Tribal 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 to increase the productivity. Rain water harvesting structures and artificial ground water recharge structures such as farm ponds, check dams, percolation ponds are constructed with the aim of harvesting rain water for improving ground water recharge and to provide supplementary irrigation for crop growth.

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 six commands namely; Wellington Reservoir Project, Thirukoilur Anicut Project , Kodiveri Anicut Project, Gundar Chittar Karuppanadhi Reservoir Project, Vaigai Project and Kodaganar reservoir Project.

4. Agricultural Mechanisation Programme

The Agricultural Mechanisation Programme is being implemented on mission mode to meet out the problems due to shortage of agricultural labourers, to carry out timely farm operations and to increase agricultural production. Also, 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 in the farmer's fields. In order to increase productivity, production 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 Mechanisation. Also, Training programmes to rural youths on Operation and Maintenance of agricultural machinery / implements for a period of 6 months has been launched during this year 2011-2012.

Schemes implemented by the Agricultural Engineering Department;

1. Soil and Water Conservation in the catchments of River Valley Project
2. Agricultural Mechanisation 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 handling and maintenance of Agricultural machinery
6. Rain water harvesting and Run off management programme
7. Soil and Water Conservation under Hill Area Development Programme
8. Soil and Water Conservation under Western Ghats Development Programme
9. Soil Conservation in Tribal areas under Integrated Tribal Development Programme
10. World Bank aided Tamil Nadu IAMWARM Project
11. National Agriculture Development Programme (NADP)
 - a. Agricultural Mechanisation Programme
 - b. Integrated Development of Pulses Villages in Rainfed Areas
12. Scheme for Artificial Recharge to Ground Water
13. Training Programme to rural youth on operation and maintenance of agricultural machinery and implements
14. Minor Irrigation scheme
15. Land Development scheme

The development headwise and objectwise 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**

(₹ in Lakhs)

Sl. No.	Development Head	Actuals 2010-2011			B.E. 2011-2012			R.E. 2011-2012			B.E 2012- 2013		
		Non Plan	Plan	Total	Non Plan	Plan	Total	Non Plan	Plan	Total	Non Plan	Plan	Total
1	Direction and Administration	7814.93	33.98	7848.91	8008.64	104.04	8112.68	7691.95	104.04	7795.99	8224.93	85.63	8310.56
2	Land Development	1940.79	14.37	1955.16	1983.23	4080.01	6063.24	2086.45	12246.16	14332.61	2271.98	4064.31	6336.29
3	Tractor Workshop	477.19	-	477.19	527.40	--	527.40	488.84	--	488.84	577.15	--	577.15
4	Minor Irrigation	823.49	59.36	882.85	894.80	812.01	1706.81	976.60	812.01	1788.61	1132.30	327.79	1460.09
5	Agri.Engg.Training Centre.	47.04		47.04	62.82		62.82	57.13	--	57.13	50.85	--	50.85
6	Soil and Water Conservation	399.11	655.69	1054.80	454.30	656.20	1110.50	431.74	1000.93	1432.67	429.63	903.85	1333.48
7	Western Ghats Development Programme	-	544.91	544.91	--	437.80	437.80	--	615.96	615.96	--	703.19	703.19
8	Hill Area Development Programme	-	468.92	468.92	--	68.16	68.16	--	68.49	68.49	--	75.60	75.60
9	Replacement of old pumpset	-	69.30	69.30	--	0.02	0.02	--	0.02	0.02	--	--	--
10	River Valley Project	-	1679.92	1679.92	--	1995.47	1995.47	--	1599.19	1599.19	--	317.62	317.62
11	Agricultural Mechanisation	-	1845.29	1845.29	--	1000.00	1000.00	--	1111.11	1111.11	--	1000.00	1000.00
12	Command Area Development Programme	-	5244.87	5244.87	--	7414.78	7414.78	--	7108.63	7108.63	--	2043.64	2043.64
13	Demonstration of newly developed Agricultural Equipment and Training programmes to farmers in the field of Agricultural Mechanisation	-	68.10	68.10	--	70.56	70.56	--	70.61	70.61	--	67.56	67.56
14	NABARD assisted Rain Water Harvesting Programme	-	0.00	0.00	--	0.01	0.01	--	0.01	0.01	--	0.01	0.01
15	IAMWARM Project	-	1881.72	1881.72	-	8227.17	8227.17	-	5549.31	5549.31	-	8201.98	8201.98
16	National Agriculture Development Programme	-	5362.60	5362.60	--	8469.00	8469.00	--	7710.01	7710.01	--	7230.02	7230.02
17	Artificial Recharge to Ground water	-	2497.27	2497.27	--	2500.00	2500.00	--	2500.00	2500.00	--	0.01	0.01
Total		11502.55	20426.30	31928.85	11931.19	35835.23	47766.42	11732.71	40496.48	52229.19	12686.84	25021.21	37708.05

Table 2
OBJECTWISE FINANCIAL ALLOCATIONS

(₹ in Lakhs)

Sl.No.	Sub head	Actuals 2010-2010	B.E. 2011-2012	R.E. 2011-2012	B.E. 2012-2013
1	01 SALARIES				
	1 Pay	7871.94	7747.01	7226.38	7371.32
	2 Medical Allowances	33.44	34.76	29.92	35.13
	3 Medical Charges	23.81	19.13	17.26	17.95
	4 Other Allowances	94.11	103.61	110.98	114.30
	6 House Rent Allowance	454.64	457.81	404.33	458.80
	7 Travel Concession	7.80	17.91	16.24	16.62
	8 C C A	50.76	52.53	40.77	49.21
2	02 Wages	1.34	1.20	1.12	1.22
3	03 Dearness Allowance	2996.61	3831.34	3767.66	4643.92
4	04 Travel Expense	325.86	325.61	358.84	329.56
5	05 OFFICE EXPENSES				
	1 Telephone Charges	9.04	14.55	14.66	14.74
	2 Other Contingencies	24.08	23.05	27.80	21.75
	3 Electricity charges	36.88	55.72	54.59	55.00
	4 Service Postage&Postal Expenditure	16.17	17.77	17.67	17.54
	5 Furniture	0.00	0.75	4.00	0.01
6	06 Rent Rate Taxes	129.46	140.19	135.31	133.45
7	07 Publication	0.00	0.10	0.10	0.12
8	08 Advertisement & Publicity	46.63	104.24	101.73	232.25
9	10 Contribution	190.18	228.31	242.98	159.34
10	11 Subsidy	7896.81	15551.44	20373.78	17953.50
11	12 Scholarship and Stipend	1.61	3.00	3.20	3.20

Sl.No.	Sub head	Actuals 2010-2010	B.E. 2011-2012	R.E. 2011-2012	B.E. 2012-2013
12	16 Major works	9065.68	11290.46	12080.45	2709.24
13	17 Minor works	29.99	30.00	35.00	30.00
14	18 Maintenance	10.83	13.1	13.35	268.47
15	19 MACHINERY AND EQUIPMENT				
	1 Purchase	959.23	6050.07	5436.52	1332.08
	3 Maintenance	540.54	348.7	500.89	198.16
16	21 MOTOR VEHICLES				
	1 Purchase	0.00	50.02	0.01	149.30
	2 Maintenance	22.35	126.74	24.88	23.69
17	33 Payments for Professional and Special Services	48.74	51.98	62.54	44.65
18	45 Petrol,Oil & Lubricants	917.10	934.75	932.11	1018.37
19	46 Clothing Tentage & Stores	9.41	13.32	15.13	14.34
20	47 Stores & Equipment	6.80	8.34	7.55	5.35
21	49 Festival Advance (-)	-21.50	0.00	0.00	0.01
22	51 Compensation	1.16	0.03	1.98	0.03
23	59 Prizes & Awards	1.00	1.35	1.55	1.56
24	61 refunds	0.00	0.01	0.01	0.00
25	64 Lands	0.00	0.00	0.00	0.01
26	72 Training	64.15	72.95	115.27	215.73
27	76 Computer and Accessories	62.20	44.57	52.63	68.13
	Total	31928.85	47766.42	52229.19	37708.05

TABLE - 3
TARGETS AND ACHIEVEMENTS
(PHYSICAL AND FINANCIAL)

(Financial ₹ in Lakhs)

Sl. No.	Name of the Scheme	Unit	2010-2011				2011-2012				2012-2013	
			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	99025	97830	No financial target. The cost of Development (Hire charges) are met by farmers.		102700	92334	No financial target. The cost of Development (Hire charges) are met by farmers.		102700	No financial target. The cost of Development (Hire charges) are met by farmers.
b.	Tractor Ploughing	Hours	171800	152414			171800	160396			201800	
2	MINOR IRRIGATION											
a.	Sinking of Tubewells	Nos.	1487	1760	No Financial target. (Hire charges are met by Farmers)		1510	1668	No Financial target. (Hire charges are met by Farmers)		1510	No financial target. (Hire charges are met by farmers)
b.	Purchase of spares, Petroieum, Oil and Lubricant for MI machinery	-	No Physical Target		71.38	68.90	No Physical Target		72.00	71.10	No Physical Target.	74.00
c.	Replacement of old Pumpsets with new Pumpsets	Nos.	751	751	70.38	70.38	-					

Contd.....

Sl. No.	Name of the Scheme	Unit	2010-2011				2011-2012				2012-2013	
			Physical		Financial		Physical		Financial		Physical	Financial
			Target	Achive ment	Target	Achive ment	Target	Achive ment	Target	Achive ment	Proposed Target	Proposed Target
3	SOIL AND WATER CONSERVATION											
a.	Rainwater Harvesting and Run off management Programme	Nos.	544	548	409.40	409.06	562	578	500.00	499.64	550	500.00
b.	Soil Conservation in Tribal Areas under ITDP	Ha.	751	763	156.20	156.20	1393	1413	344.73	344.73	1500	403.85
		Nos.	83	83			174	185			195	
c.	Soil and Water Conservation under Western Ghats Development Programme	Ha.	576	590	534.36	544.00	1142	1164	598.52	596.65	472	703.19
		Nos.	1251	1285			821	853			740	
d.	Soil and Water Conservation under Hill Area Development Programme	Mts.	1750	1750	449.95	469.87	13060	7485	477.00	508.67	100	432.90
		Nos.	620	620			227	154			431	
e.	Scheme for Artificial Recharge to Ground water	Nos.	3082	3097	2500.00	2498.94	559	2	2500	2.50	1182	5284.00

Contd.....

Sl. No.	Name of the Scheme	Unit	2010-2011				2011-2012				2012-2013	
			Physical		Financial		Physical		Financial		Physical	Financial
			Target	Achive ment	Target	Achive ment	Target	Achive ment	Target	Achive ment	Proposed Target	Proposed Target
4	Tamil Nadu IAMWARM Project											
a.	Micro Irrigation	Ha.	24607	7863	4927.43	1882.42	15000	7418	4523.85	3267.22	6100	3603.00
b.	Farm Ponds	Nos.	815	597			425	339			55	
c.	Farm Mechanisation	Nos.	473	162			311	6			-	
d.	Water Harvesting Structures	Nos.	78	13			632	622			74	
e.	Pipe laying	Packages	-	-			4	4			50	
5	National Agriculture Development Programme (NADP)											
a.	Agricultural Mechanisation	Nos.	9984	16105	5488.00	5382.15	5126	8593	2705.85	2704.48	13725	2811.00
b.	Integrated Development of pulses villages in Rainfed Areas- Construction of Farm Ponds	Nos.	-				800	506	480.00	365.14	80	64.00
6	Training programmes to rural youth on handling and maintenance of agricultural machinery and implements	No. of Trainees	-				300	254	42.90	31.00	600	85.80

Contd.....

Sl. No.	Name of the Scheme	Unit	2010-2011				2011-2012				2012-2013	
			Physical		Financial		Physical		Financial		Physical	Financial
			Target	Achive ment	Target	Achive ment	Target	Achive ment	Target	Achive ment	Proposed Target	Proposed Target
SCHEMES SHARED BETWEEN STATE AND CENTRE												
1	Soil and Water Conservation in the catchments of River Valley Project	Ha.	14050	14057	1685.54	1681.12	13960	13966	1242.42	1235.78	13340	1600.00
		Nos.	2358	2358			1907	1907			1350	
2	Agricultural Mechanisation Programme	Nos.	4456	4458	1827.43	1825.74	2726	2516	1111.11	1038.82	2533	1106.60
3	Command Area Development and Water Management Programme of Accelerated Irrigation Benefit Programme	Ha.	23920	23807	5054.95	5054.25	27000	26412	6929.08	6887.40	29149	5829.80
CENTRAL SECTOR SCHEMES												
1	Demonstration of Agricultural Machinery and Implements	No. of Demonstration	428	431	32.39	32.26	-	-	-	-	475	34.75
2	Training programme to farmers in the field of Agricultural Mechanisation.	No. of Training	118	118	35.99	35.80	105	105	32.00	31.85	110	33.55

4. TAMILNADU WATERSHED DEVELOPMENT AGENCY

FORM - I

Sl. No.	Name of the Scheme	Objective of the Scheme
1.	National Watershed Development Project for Rainfed Areas (NWDPRA)	<ul style="list-style-type: none"> i. Conservation, development and sustainable management of natural resources including their use. ii. Enhancement of Agricultural productivity and production in a sustainable manner. iii. Restoration of ecological balance in the degraded and fragile rainfed eco-systems by greening these areas through appropriate mix of trees, shrubs and grasses. iv. Reduction in regional disparity between irrigated and rainfed areas. v. Creation of sustained employment opportunities for the rural community including the landless.
2.	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.
3.	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.

Sl. No.	Name of the Scheme	Objective of the Scheme
4.	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.
5.	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. 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.

Sl. No.	Name of the Scheme	Objective of the Scheme
6.	National Agriculture Development Programme (NADP)	<ul style="list-style-type: none"> i. To incentivize the state so as to increase public investment in Agriculture and allied sectors. ii. To provide flexibility and autonomy to state in the process of planning and executing Agriculture and allied sector schemes. iii. To ensure the preparation of agriculture plans for the districts and the states based on agro-climatic conditions, availability of technology and natural resources. iv. To ensure that the local needs/crops/priorities are better reflected in the agricultural plans of the state. v. To achieve the goal of reducing the yield gaps in important crops, through focused interventions. vi. To maximize returns to the farmers in Agriculture and allied sectors. vii. To bring about quantifiable changes in the production and productivity of various components of Agriculture and allied sectors by addressing them in a holistic manner viii. Under NADP, towards 4% Agriculture growth schemes of Agriculture, Horticulture, Agricultural Engineering, Agricultural Marketing, Tamil Nadu Agricultural University, Animal Husbandry, Dairy Development, Fisheries, Tamil Nadu Veterinary & Animal Sciences University, Public Works Department, Tamil Nadu Civil Supplies Corporation and Department of Co operation are being implemented.
7.	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 and v. Creation of awareness among the people and educating them on the far-reaching implications of ecological degradation and securing their active participation in the eco-development schemes.

Sl. No.	Name of the Scheme	Objective of the Scheme
8.	Revised Comprehensive Wasteland Development Programme (RCWP)	<p>i. Identification of wastelands and developing these lands for profitable and sustainable agricultural operation by undertaking and development wherever required.</p> <p>ii. Wherever contiguous blocks of 10.00 acres and above lands exist, and if ground water is available then efforts are taken to develop them into horticulture clusters by undertaking land development, creating irrigation sources, free energisation, establishing micro irrigation system and by planting quality seedlings.</p> <p>iii. Wherever the private patta wastelands along with punjai lands are available in a cluster of 50 acres and above, such lands are taken up for cluster development, if the small and marginal farmers come forward for joint management. If ground water is available then land development, source of irrigation, free energisation and micro irrigation system are provided for developing Horticultural crops through cluster mode.</p> <p>iv. Wherever the private patta wastelands along with punjai lands are available in a cluster of 50 acres and above, such lands are taken up for cluster development, if the small and marginal farmers come forward for joint management. If ground water is available then land development, source of irrigation, free energisation and micro irrigation system are provided for developing Agricultural crops through cluster mode.</p> <p>v. In 10.00 acres & above and 50.00 acres & above clusters, lift Irrigation Societies are formed by the beneficiaries for joint development and management of common infrastructure created. In case, if the ground water is not available then Bio-mass tree species are planted depending on the preference of the farmers.</p>

Form-II

(Physical and Financial Target and Achievement)

Sl. No.	Name of the Scheme	Unit	2010-11		2011-12		2012-13	
			Target	Achievement	Target	Achievement	Target	Achievement
1.	National Watershed Development Project for Rainfed Areas (NWDPR)							
	Physical	Ha.	5110	5110	20583	3850	Spillover Activities under the project will be taken up	
	Financial	Lakhs	306.619	306.619	1235.00*	231.063		
* First installment of funds (₹ 231.063 lakhs) was released to the districts and state sanction received for ₹ 999.023 lakhs and released to the districts.								
2.	Watershed Development Fund (WDF)							
	Physical	Ha.	5993	1667	12569	2115	Unspent balance available under WDF will be utilized	
	Financial	Lakhs	359.59*	122.72	754.13*	221.58*		
* Previous year closing balance and fund received.								
3.	Drought Prone Areas Programme (DPAP)							
	Physical	Ha.	64842	27508	40311	23711	15717	-
	Financial	Lakhs	3890.55	1650.51	3193.14*	1422.67	943.00**	-
The Annual target is fixed based on the release of funds from GOI, State and the previous years closing balance. * This amount includes Administrative and training cost of ₹ 774.46 lakhs. ** This scheme is programmed to be completed by December 2012. The amount mentioned is the last installment to be obtained under this scheme.								
4.	Integrated Waste Land Development Programme (IWDP)							
	Physical	Ha.	54233	23216	28505	14317	26930	-
	Financial	Lakhs	3253.99	1392.98	2246.25*	859.04	1616.00**	-
The Annual target is fixed based on the release of funds from GOI, State and the previous years closing balance. * This amount includes Administrative and training cost of ₹ 535.92 lakhs. ** This scheme is programmed to be completed by December 2012. The amount mentioned is the last installment to be obtained under this scheme.								

Sl. No.	Name of the Scheme	Unit	2010-11		2011-12		2012-13	
			Target	Achievement	Target	Achievement	Target	Achievement
5.	Integrated Watershed Management Programme (IWMP)							
	Physical	Ha.	56966	4451*	70248	32588*	215000	-
	Financial	Lakhs	6836.00	1920.00	8429.78**	3763.61	25860.00	-
	* Preparatory activities like DPR preparation, EPA and Capacity Building Training Programme are in progress. 20% funds released for 2009-10, 6% funds released for 2010-11 and 2011-12 respectively. Area to be treated is worked out based on the fund released. ** This amount includes Administrative cost given for the Scheme							
6.	Western Ghats Development Programme (WGDP)							
	Physical	Various Units	Various Units (Ha / Mandays / Km)		Various Units (Ha / Mandays / Km)		-	-
	Financial	Lakhs	698.21	687.50	799.96	*	**	-
	* Funds are released only during 2012 February 1 st week and scheme is implemented in Dindigul, Madurai & Theni Districts. ** Financial Target is fixed every year.							
7.	Revised Comprehensive Wasteland Development Programme (RCWP)							
	Physical	acres	*	455	**	-	**	-
	* 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.							
	Financial	lakhs	Token Provision ₹1000/-	841.53	Token Provision ₹1000/-	-	Token Provision ₹1000/- proposed	-

5. SEED CERTIFICATION AND ORGANIC CERTIFICATION

1. Introduction

Seed is a critical input for long-term sustained growth of agriculture. Timely availability of certified quality seeds with good yield potential continues to be a decisive factor in agricultural production. Farmers in Tamilnadu state are well aware of the benefits of using quality seeds which include foundation, certified and truthfully labeled seeds. In our State, the seed replacement rate is being adopted as per the guidelines of Government of India. In order to achieve the target of doubling the income of farmers, timely availability of quality of seeds should be given utmost importance.

Concerted efforts are essential in ensuring timely availability of seeds as well as increasing the Seed Replacement Rate. The National Mission on Seeds has been formulated with a view to upgrade the quality of farm saved seeds and also to enhance Seed Replacement Rate. The Department of Seed Certification & Organic Certification plays the supporting role in the enhancement of the Seed Replacement Rate by certifying quality seeds in an increasing trend over the years. There is also a need to look for synergies with the private sector so that goals set out in the twelfth five year plan mission are achieved. The share of private sector in certified seed production in the state has increased from 34% in the year 1998-99 to 76% during 2011-12. To achieve higher yields and for maximum monetary returns, use of quality seeds is to be encouraged.

The Department of Seed Certification and Organic Certification regulates the quality seed production and distribution in the State, under the provisions of various seed legislations. In order to fulfill these objectives, this department implements Seed Certification, Seed Quality Control, Seed Testing, Training and Organic Certification schemes.

2. Seed Certification

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

During the year 2011-2012, the quantity of certified seeds produced was 1.02 L.M.T, of which 24% was contributed by Government, 2% by Quasi Government and 74 % by private seed producers. The requirement for quality certified seeds is growing over the years. The contribution by the private agencies in certified seed production is distinctly higher compared to the production by the Government and Quasi Government agencies. In order to perform the task of seed certification in an effective manner, all the Assistant Directors of Seed Certification have been provided with computers along with internet facilities under the Agrisnet programme during the year 2011-2012. During the year 2011-2012, 1.02 L.M.T were certified, as against the annual target of 0.95 L.M.T of seeds. It is proposed to certify 1.05 L.M.T of various crop seeds during 2012-2013.

3. Seed Inspection

Seed Quality Control programme is responsible for ensuring compliance with the various Seed Legislations. To ensure the quality of the seeds distributed to farmers in the state, the seed quality control wing regulates the sale of seeds in accordance with the provisions of The Seeds Act 1966, The Seeds Rules 1968, The Seeds (Control) Order 1983 and The Environment (Protection) Act 1986. 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, legal actions are initiated against defaulters. Apart from this, contraventions of seed legislations are dealt with legal actions.

The Seed Inspection wing is issuing licenses for seed dealers under provisions of The Seeds (Control) Order, 1983. There are 9412 licensed seed selling points in the state. In order to perform the seed quality control functions in an effective manner, all the Deputy Directors of Seed Inspections have been provided with computers along with internet facilities under the Agrisnet programme during the year 2011-2012.

During the year 2011-2012, 64647 seed selling point inspections were conducted as against the annual target of 67500 inspections and 55744 seed samples were drawn for quality check as against the annual target of 65000 seed samples. The quality control wing has unearthed spurious and sub standard seeds of 1356 seed lots, weighing 1165 M.Tones worth at ₹ 553 Lakhs. Stop sale orders issued for this lots. Under contravention of seed legislations, 501 cases were filed in the court of law of which 419 cases

were disposed off by various courts in favour of the Government. During the year 2012-2013, it is proposed to make 68000 seed selling point inspections and to draw 65500 seed samples for quality check.

4. Seed Testing

The Seed Testing laboratories function as confirmation centers for seed quality control and seed certification programmes. For the effective implementation of seed quality control and seed certification programmes, it is necessary to have a well equipped seed testing laboratory.

Seed testing is conducted to analyze the various seed standards as fixed by Government of India. The seeds are being tested for germination, physical purity, moisture, seed health and for admixture of other distinguishable varieties. 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. At present, there are 29 notified seed testing laboratories functioning in our State. The genetic purity of a given seed lot is ascertained by conducting grow out tests. 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. A DNA finger print Laboratory functioning in this Directorate carries out tests to obtain quick genetic confirmation of crop varieties. The seed testing laboratory at Coimbatore is a member with ISTA (International Seed Testing Association) and is participating in the proficiency tests conducted which is prerequisite for ISTA accreditation.

During the 2011-2012, all the 29 seed testing laboratories have been provided with computer facilities under NADP at a cost of ₹ 21.58 Lakhs. Further, seven existing seed testing laboratories, the DNA finger print laboratory and the Bt toxin testing laboratory have been provided with latest and advanced equipments under this scheme at a cost of ₹ 90.95 Lakhs. The genetic purity testing farm at Kannampalayam, Coimbatore has been provided with a storage Godown, the inner wall of the open well has been constructed and the existing irrigation facilities have been strengthened at a cost of ₹ 26.00 Lakhs under NADP scheme. It is proposed to further strengthen the existing seed testing laboratories by purchase of equipments under NADP scheme at a cost of ₹ 113.17 Lakhs during

the year 2012-2013. During the year 2011-2012, a total number of 88017 seed samples were analyzed as against the annual target of 86000 seed samples. It is proposed to analyze 86500 seed samples during the year 2012-2013.

5. Training

The field level functionaries in this department are being suitably trained and oriented to perform the different functions such as field inspections, seed processing, seed sampling, seed testing, and in seed legislations. To promote quality seed production and distribution, the following training programmes are organized by the training wing of this Department.

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

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

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 is given to the seed dealers on sale of quality seeds, seed storage and on the regulatory aspects of seed legislation.

Under ATMA scheme, training programmes are proposed to be conducted to the seed producers and seed dealers at a cost of ₹ 57.25 Lakhs to improve their technical competence in seed production and distribution. During the year 2011-2012, as against the annual target of 41800 persons to be trained, a total number of 43970 persons were trained. It is proposed to train 44000 persons during the year 2012-2013.

6. Organic Certification

Organic farming system rely upon crop rotation, crop residues, animal manures, off- farm organic wastes, mineral bearing rocks and aspects of biological pest control to maintain soil productivity and tilth, to supply plant nutrients and to control weeds, pest

and diseases. Organic Certification is a labeling term with written assurance that denotes products that have been produced in accordance with organic production standards and certified by a duly constituted certification body or authority. Organic agriculture is based on minimizing the use of external inputs, totally avoiding the use of synthetic fertilizers and pesticides.

Organic agricultural methods are used to minimize pollution of air, soil and water. Organic food handlers, processors and traders adhere to standards to maintain the integrity of organic agricultural products. The primary objective of organic agriculture is to optimize the health and productivity of interdependent communities of soil life, plants, animals and people.

Tamil Nadu Organic Certification Department (TNOCD) was established in the year 2007-2008 to carryout inspection and certification of organic production system in accordance with NPOP (National Programme for Organic Production) norms. 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. The accreditation number allotted to Tamil Nadu Organic Certification Department is NPOP/NAB/0019.

Organic certification carried out by this department is on par with standards of European Union. Tamil Nadu Organic Certification Department also imparts free training to registered organic farmers on National Standards for Organic Production, and Tamil Nadu Organic Certification Department standards.

During the year 2011-2012, 29062 acres of land have been registered, under organic certification as against the annual target of 30000 acres. This includes 209 individual farmers possessing 7972 acres of land, 26 groups containing 6127 farmers holding 20392 acres and 27 corporate farms holding 698 acres. During 2012-2013 it is proposed to register an area of 30500 acres under organic certification.

TABLE 1		Seed Certification				
		Quantity of Seeds Certified in M.T.				
S.No.	Crop	2010-11		2011-12		2012-13
		Target	Achievement	Target	Achievement	Plan
1	Paddy	73700	86735	87650	94543	97030
2	Variety millets	420	242	250	268	270
3	Hybrid millets	10	8	10	5	10
4	Cotton	610	248	300	252	300
5	Pulses	4400	3132	3500	4105	3800
6	Oilseeds	5400	3112	3200	3163	3500
7	Vegetables	90	74	90	47	90
	TOTAL	84630	93551	95000	102383	105000
TABLE 2		Seed Inspection (Numbers)				
S.No.	Details	2010-11		2011-12		2012-13
		Target	Achievement	Target	Achievement	Plan
1	Seed selling point inspections	67000	62502	67500	64647	68000
2	Seed samples taken	65000	55016	65000	55744	65500
TABLE 3		Seed Testing (Numbers)				
S.No.	Details	2010-11		2011-12		2012-13
		Target	Achievement	Target	Achievement	Plan
1	Samples tested	75000	85334	86000	88017	86500
TABLE 4		Training (Numbers)				
S.No.	Details	2010-11		2011-12		2012-13
		Target	Achievement	Target	Achievement	Plan
1	Persons trained	38000	41673	41800	43970	44000
TABLE 5		Organic Certification (Acres)				
S.No.	Details	2010-11		2011-12		2012-13
		Target	Achievement	Target	Achievement	Plan
1	Area Registered	28000	28115	30000	29062	30500

BUDGET PROVISION UNDER VARIOUS HEADS FOR SCHEMES PERFORMED IN 2010-11, 2011-12 & PROGRAMME FOR 2012-2013

S. NO.	DETAILED HEAD OF ACCOUNT	Expenditure- 2010-2011					Final Modified Grant- 2011-2012					Budget Estimate for 2012-2013				
		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	2076.16	0.00	0.00	2076.16	0.00	2470.52	0.00	0.00	2470.52	0.00	2572.66	0.00	0.00	2572.66
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	0.04	0.00	0.00	0.00	0.00	0.04
3	2435-Other Agricultural programmes 01. Marketing and quality control 102-Grading and quality control facilities-I Nonplan-AB-Seed Testing Laboratory	0.00	345.81	0.00	0.00	345.81	0.00	567.73	0.00	0.00	567.73	0.00	513.27	0.00	0.00	513.27
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	0.02	0.00	0.02	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.03	0.00	0.03
6	2401-Crop Husbandary -103-Seeds schemes in XI Five year Plan-II State Plan-JG-independent Seed Inspectorate	86.49	0.00	0.00	0.00	86.49	33.51	0.00	0.00	0.00	33.51	22.00	0.00	0.00	0.00	22.00
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	52.24	0.00	0.00	52.24	0.00	116.52	0.00	0.00	116.52	0.00	120.47	0.00	0.00	120.47
	Total	86.55	2474.21	0.02	0.00	2560.78	33.57	3154.77	0.03	0.00	3188.37	22.06	3206.40	0.03	0.00	3228.49

FINANCIAL EXPENDITURE AND RECEIPTS UNDER VARIOUS SCHEMES

(₹ in lakhs)

S.No	Name of the Scheme	2009-10			2010-11			2011-12			2012-13 (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	1754.58	132.68	0.00	2076.16	172.00	0.00	2395.00	213.00	0.00	2572.66	244.00
2	Seed Testing Scheme	0.00	339.30	19.22	0.00	345.81	30.91	0.00	530.16	35.20	0.00	513.27	39.50
3	Seed Inspection	19.95	0.00	0.50	86.49	0.00	1.00	33.52	0.00	1.80	22.00	0.00	2.20
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)	0.04	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00
6	Seed Testing (Part II)	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02	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	0.02	0.00	0.00	0.02	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00
9	2435-01-102- Organic Certification	0.00	45.56	8.33	0.00	52.24	9.98	0.00	63.08	3.25	0.00	120.47	10.00
	TOTAL	20.03	2139.44	160.73	86.57	2474.21	213.89	33.61	2988.24	253.25	22.09	3206.40	295.70

6. AGRICULTURAL MARKETING AND AGRI. BUSINESS

The Department of Agricultural Marketing functioning since 1977 with the main role of regulating the agricultural marketing has been renamed in 2001 as “Department of Agricultural Marketing and Agri. Business” to focus on other agricultural marketing activities like Agri Export, Post Harvest Management and Food Processing. Market fee of 1% is collected from the traders by the Market Committees and the fund is being utilized for developmental activities of Regulated Markets.

Activities of the Department of Agricultural Marketing and Agri Business

1. Ensuring fair price to agricultural produce and thereby benefitting the farming community through Regulated markets.
2. Creation of marketing infrastructures, formation of commodity groups and market linkage.
3. Creating awareness on grading, storage, value addition and processing of produce in Regulated markets by imparting training, publicity and propaganda.
4. Agmark grading of agricultural, animal husbandry and forestry products.
5. Promoting the export of agricultural produce through Agri Export Zones by increasing the area under exportable crops and providing necessary post harvest management support and infrastructure facilities.
6. Disseminating market price information of Regulated markets and Farmer’s market through media and internet on a daily basis for the benefit of farmers.
7. Promoting the establishment of food processing industries to minimize the wastage of agricultural produce and to increase employment opportunities.
8. Maintenance of Farmer’s market for the benefit of farmers as well as consumers.

Arrivals and Receipts in Market Committees

During 2011-12, 18.96 L.Mt of agricultural produce have been sold by farmers through Regulated markets and Market committees and have collected revenue of ₹ 7706 lakhs as market fee.

Pledge loan

Regulated markets are issuing pledge loan to small and marginal farmers to avoid distress sales due to price fall. Under this scheme farmers can store their agricultural produce in the godowns of Regulated markets for a period of 6 months and avail pledge loan upto a maximum of ₹ 2, 00,000 at 5% interest rate. Similarly pledge loan facilities are also extended to traders for a period of 3 months and avail pledge loan upto ₹ 1, 00,000 at 9% interest rate. During 2011-12, ₹ 1859.59 lakhs has been issued to 2246 farmers and ₹ 125.82 lakhs to 122 traders as pledge loan.

Construction of drying yards in villages

Improper post harvest handling results in 5-10 % loss in the total cereals and pulses production. In order to minimize the post harvest losses, agricultural commodities have to be stored at optimum moisture content. For that purpose, drying yards are being constructed since 1997. So far, 1311 drying yards have been constructed at a total cost of ₹ 2625 lakhs for the benefit of farmers.

Construction of Rural Godown under Rural Infrastructure Development Fund (RIDF) Scheme

To improve scientific storage, to increase pledge loan facilities to farmers and to traders and maintain a balance between excess production and supply of goods, establishment of 50 modern godowns in regulated markets at a total cost of ₹ 8200 lakhs with 95% financial assistance from NABARD under RIDF Scheme and 5% from Market Committee fund (2011-12) is in progress.

Farmers' Markets

The main objective of the Farmers' market is to ensure the farmers to get fair price for their produce and the consumer to get fresh fruits and vegetables at a lesser price without middlemen. At present, 179 Farmers' markets are functioning in Tamilnadu. The expenses of Farmers' markets are met out from Market Committee funds.

Establishment of Terminal Markets

Terminal Markets with all value addition facilities like processing, storage and marketing are being developed in Public Private Partnership (PPP) mode near metro areas of Chennai, Madurai and Coimbatore as per the revised guidelines of the Government of India for fruits and vegetables. The Industrial and Technical Consultancy Organization of Tamilnadu Ltd (ITCOT) has been appointed as consultant for the above projects.

For Perundurai Terminal Market Complex, 47.9 acres of land has been selected at SIPCOT Industrial Growth Centre in Perundurai of Erode District. Total project cost is ₹ 12063 lakhs. M/s.SPAC Tapioca Products (India) Ltd has been selected for establishment of Terminal Market Complex with the sanctioned subsidy of ₹ 2899 lakhs. Detailed Project Report and Master plan submitted by the bidder was evaluated by ITCOT consultancy.

For Chennai Terminal Market Complex, 35 acres of land has been selected at Navalur Village of Sriperumputhur Taluk, Kancheepuram District. The total project cost is ₹ 11385 lakhs. Global Tender notification has been floated and four bidders have submitted the Request for Qualification (RFQ) documents. Similarly for Madurai Terminal Market Complex, 50 acres of land has been selected at Mukkampatti (35 acres) and Thiruvathavur (15 acres) villages of Melur Taluk in Madurai District. Total project cost is ₹10505 lakhs. Global Tender notification has been floated for inviting entrepreneurs, The Request for Qualification (RFQ) documents received from the entrepreneur was evaluated and Request for Proposal (RFP) was issued to the selected entrepreneurs.

Agri Export Zones

Agri Export Zones for cut-flowers, flowers, mango and cashew have been approved and Memorandum of Understanding was signed between Agricultural and Processed food products Export Development Authority (APEDA) and private entrepreneurs.

Agri Export Zone for cut-flowers has been established at Hosur in Krishnagiri district by the firm M/s.Tanflora a joint venture company of Tamilnadu Industrial Development Corporation Limited (TIDCO) and private promoter at a cost of ₹ 2485 lakhs An Agri Export Zone for flowers at Udthagamandalam in the Nilgiris district has been established with the participation by M/s.Nilflora – a private promoter at a project cost of ₹1589 lakhs Agri Export Zone for Mango at Nilakkotai in Dindigal District has been established by the anchor promoter M/s.Maagrita Export Ltd. at a cost of ₹ 2100 lakhs Similarly, an Agri Export Zone for cashew at Panruti in

Cuddalore district has been established by M/s.Sattva Agro Export Pvt. Ltd. at a project cost of ₹1700 lakhs. The anchor promoters of these Agri Export Zones have created modern nursery and necessary processing and storage infrastructures in their respective zones and they have started commercial productions. During 2011-12 the firm M/s.Tanflora has done a turnover of ₹125 lakhs worth cut-flowers, M/s.Nilflora has done a turnover of ₹114 lakhs worth flowers, the firm M/s Maagrita Exports Ltd. has done a turnover of ₹101 lakhs worth mango and mango pulp and M/s.Sattva Agro Export Pvt. Ltd., has done a turnover of ₹ 24 lakhs worth cashew.

Establishment of Market complexes with cold storage facility

Market complexes with cold storage facility have been established for the welfare of small and marginal farmers, at a project cost of ₹ 100 lakhs each for Mango at Krishnagiri in Krishnagiri District, for Onion at Pongalur in Coimbatore District, for Grapes at Odaipatti in Theni District, for Tomato at Palacode in Dharmapuri District. Facilities created in the above market complexes are grading and packing hall, electronic weighing balances, input shops, traders shop and 50 MT capacity of cold storage units.

For the benefit of coconut growers in Thanjavur district a coconut market complex with cold storage facilities has been established at Ponnavaarayankottai, Ukkadai village in Pattukottai taluk of Thanjavur District at a cost of ₹ 400 lakhs The facilities created in the market complex are transaction sheds, godowns, drying yards and solar drier for copra drying, grading and sorting hall, input shops, electronic weighing balances and coconut oil mill unit with automatic oil packing facility.

Agmark grading

Agmark is the expansion of “Agricultural Marking”. As per the Agricultural Produce (Grading and Marking) Act 1937, the Agmark Grading scheme is being implemented in Tamil Nadu. Most of the Agricultural, Horticultural, Forest Products and Animal Husbandry by- products are covered under Agmark Grading Scheme. Agmark grading protects the consumers from harmful effects of consuming adulterated food products and ensures quality food products. In Tamilnadu,30 state Agmark grading laboratories and one principal Agmark grading laboratory at Chennai have been engaged in grading and certification. Agmark Grading is done for centralized and decentralized commodities. Agmark lablling is done to the authorized packers under direct supervision of the staff to certify the quality and purity of food products. During 2011-12 ,16.20 lakhs quintals of food products have been graded by Agmark grading laboratories.

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

The world Bank assisted TN-IAMWARM Project is being implemented in 61 sub basins of Tamilnadu in phased manner over a period of 6 years from 2007-08 to 2012-13 at a total cost of ₹ 3417 lakhs. An amount of ₹ 2686 lakhs have been utilized for the 4 phases of sub basins during 2011-12

So far, 293 infrastructures as per the World Bank guidelines viz., 21-Agri Business Centers, 94-storage godowns, 155-drying yards, 18-collection centers and one pack house have been created and put into use. The supporting equipments such as 52-moisture meters, 118-electronic weighing scales, 522- tarpaulins, 1985-dunnages, 19-computers with internet connection, 575-plastic crates, 8- goods auto and one mini lorry for logistics are being utilized by Commodity group farmers. Farmers have realized additional income for their produce by utilizing the above infrastructures.

Interface workshop is considered to be a platform for linking the farmers directly to the traders with face to face market orientation. In the sub basin area formation of commodity groups and Memorandum of Understanding between farmers and traders are the major activity for the realization of additional income by farmers. **So far 1,657 commodity groups have been formed covering 14 major commodities and 1179 Memorandum of Understanding have been made between farmers and traders. Under Information, Education, Communication and Capacity Building (IEC and CB) 772 trainings were conducted viz., 265 technical trainings, 213 interface workshops and 294 exposure visits (195 exposure visits inside the state and 99 exposure visits outside the state).**

National Agricultural Development Programme (NADP)

Strengthening of Market Infrastructure and Marketing development is the main focus in the National Agriculture Development Programme (RKVY).

In National Agriculture Development Programme, various marketing infrastructure facilities like Banana Ripening chamber at 4 places, 20 rural godowns, 150 drying yards, Automatic weighing and bagging machine in two regulated markets, 25 farmers markets and Market complex with cold storage for hilly vegetables at Karamadai in Coimbatore district have been established at a total cost of ₹ 2052 lakhs. During 2010-11, Automization of 4 Regulated Markets by providing hand held devices for data collection, digital display boards, establishment of market complex with cold storage for onion and other vegetables in Perambalur District, cold storage for chillies in Ramanathapuram District and installation of Automatic weighing and bagging machines in two regulated markets, at a total cost of ₹ 400 lakhs are in progress.

During the year 2011-12, Establishment of Market complex for Banana and a cold storage for vegetables at Thiruchendurai village in Trichy District, Market complex with cold storage for vegetables and fruits at Alukuli village, Erode District, for lemon at Kadaiyanallur regulated market in Tirunelveli District, Cold storage units for fruits and vegetables in 5 Regulated markets, for Tamarind at Dharmapuri Regulated market in Dharmapuri district and for Chillies at Pavorchatram Regulated market in Tirunelveli District, Computerization of 20 Regulated Markets and Creation of 60 Traders shops in various Regulated markets at a total cost of ₹ 2650 lakhs are in progress.

Tamilnadu Small Farmers Agri-business Consortium (TNSFAC)

Small Farmers Agri-business Consortium is functioning in association with Government, private, co-operative and service sectors with the objective of linking small farmers to technologies as well as to markets by providing both forward and backward linkages through assured purchase at reasonable price for their produce by making formal / informal arrangement. This scheme is being implemented in coordination with Nationalized Banks. Agri business development in Tamilnadu is achieved by sanctioning venture capital assistance and providing project development facilities. So far, venture capital assistance of ₹ 1530.43 lakh for 43 Agri-Business projects has been sanctioned by Tamilnadu Small Farmers Agri. business Consortium.