

**TAMIL NADU IRRIGATED AGRICULTURE MODERNIZATION  
AND WATER-BODIES RESTORATION AND  
MANAGEMENT PROJECT**



**(More Income Per Drop of Water)**

**ANNUAL REPORT  
(2010 – 11)**



# CONTENTS

<b>Sl. No.</b>	<b>Title</b>	<b>Page No.</b>
1.	Status of the Project	05
2.	Progress of Line Departments	19
2.1	Water Resources Department	20
2.2	Agriculture Department	27
2.3	Tamil Nadu Agricultural University	45
2.4	Horticulture Department	56
2.5	Agricultural Engineering Department	71
2.6	Agricultural Marketing Department	78
2.7	Animal Husbandry Department	87
2.8	Fisheries Department	97
3.	Glimpses From the Field	105
3.1	Water Resources Department	106
3.2	Agriculture Department	110
3.3	Tamil Nadu Agricultural University	113
3.4	Horticulture Department	117
3.5	Agricultural Engineering Department	120
3.6	Agricultural Marketing Department	123
3.7	Animal Husbandry Department	125
3.8	Fisheries Department	127
4.	External Evaluation of the IAMWARM Project	129
5.	Study Tour	133
6.	Change Initiatives	136
7.	GIS Project Maps	140







## **STATUS OF THE PROJECT**







## 1. STATUS OF THE PROJECT

Irrigated Agriculture Modernization and Water – Bodies Restoration and Management (IAMWARM) is a multidimensional project that envisages bringing about positive changes in the context of Irrigated Agriculture and Farm ecology & economics, involving multiple stake holders both at facilitation and Implementation levels. The project is being implemented in 60 sub basins in Tamil Nadu. The Project intends to expand the area under Irrigated Agriculture through effective and efficient Irrigated Water Management practices in order not only to grow more crops per drop, more meat, milk and more fish per drop but also to facilitate the farmer in achieving more income per drop of water that he uses for agriculture. The project formulated with World Bank assistance was approved by the Government with an outlay of Rs.2,547 crore, over a period of six years from 2007 to benefit 6.17 lakh hectares.

### Objective of the Project:

The IAMWARM project aims to improve the service delivery of irrigation systems and productivity of irrigated agriculture with effective integrated water resources management in a sub-basin framework.

### Irrigation systems modernisation in a sub-basin framework:

This component seeks to improve bulk water delivery through modernisation of irrigation systems in 60 selected sub-basins with an ayacut of 6.17 lakh hectares. Activities involve tank

system modernisation by restoring and repairing water bodies and improving canal irrigation systems through repair and rehabilitation.

### Agricultural Intensification and Diversification:

This component builds on the improved bulk water delivery to increase the productivity of agriculture-related activities through improved agricultural intensification and diversification of crops, micro irrigation, Animal Husbandry & Inland Aquaculture.

### Institutional Modernisation for Irrigated Agriculture:

It is sought to improve the institutional capacity for irrigation service delivery through the Water Resources Department and the Water Users Associations (WUAs) with technically better designs and in a socially sustainable manner. The Water Users Associations would be utilized to implement Participatory Irrigation Management (PIM) by involving farmers.

### Water Resources Management:

This component is to improve the institutional arrangements and capacity for sustainable water resources management in the State. In addition the framework for sustainable water resources management will be strengthened through creation of State Water Resources Management Agency (SWaRMA)



## Project Implementation (2007-2011)

The project covers an area of 6.17 lakh ha. spread over 60 sub basins out of the 127 sub-basins in the State.

**Phase - I** - Implementation was initiated during 2007-08 in 9 sub-basins covering an extent of 2.895 Lakh hectare with an outlay of Rs.714.94 Crore in respect of all Departments put together. In the first year itself, works have been successfully initiated by all the Departments.

**Phase - II** -During the financial year 2008-2009, 16 more Sub-Basins with an ayacut of about 0.672 Lakh ha. were taken up with an outlay of Rs.243.25 Crore.

**Phase-III** – During the financial year 2009-10 30 Sub Basins with an ayacut of 1.821 Lakh Ha were taken up with an outlay of Rs. 538.85Crore

**Phase – IV** – Apart from Cooum & Adayar sub basins three alternate sub basins viz., Cheyyar & Kiliyar, Paralayar & Kayalkudiyar have been proposed to taken up for an ayacut of 0.77 Laksh Ha with an outlay of Rs. 216.00Crores. Detailed Project Reports (DPR) are approved by World Bank and obtaining Administrative Sanction is under progress.

## Water Resources Department:

In respect of Water Resources Department, in 9 Sub Basins of Phase-I, 66 packages were taken up in first year for an amount of Rs. 400.083 Crore. Works were completed in 63 packages & in progress in 3 packages. In second year, 10 packages at a value of Rs.49.225 Crore were also taken up in PAP and works completed in all 10 packages.

For the 16 sub-basins in Phase II, bids have been finalised for all the 43 packages for a value of Rs. 189.053 Crore. Works completed in 33 packages and works are in progress in 10 packages.

For the 30 Sub Basins taken up under Phase-III, bids called for 93 packages for an amount of Rs. 257.055 Crores and works in 92 packages are in progress with one package agreement conclusion is under progress. Bids are to be decided in 11 packages and to be called for 32 packages.

## Phase – I Sub Basins Progress

Rehabilitation of irrigation infrastructure -9 sub-basins		Proposed	Completed	In progress
a)	Tanks	1634 Nos	1579 Nos	42 Nos
b)	Anaicuts	233 Nos	217Nos	34 Nos
c)	Supply Channels	3068 Km	2973 Km	15 Km



## Phase-II Sub Basins Progress

Rehabilitation of irrigation infrastructure -16 sub-basins		Proposed	Completed	In progress
a)	Tanks	757 Nos	557 Nos	183 Nos
b)	Anaicuts	165 Nos	134 Nos	27 Nos
c)	Supply Channels	1092 Km	812 Km	205 Km

## Phase-III Sub Basins Progress

Rehabilitation of irrigation infrastructure -30 sub-basins		Proposed	Completed	In progress
a)	Tanks	1672 Nos	4 Nos	220 Nos
b)	Anaicuts	255 Nos	1 No	59 Nos
c)	Supply Channels	2670 Km	50 Km	213 Km

### Water Users' Association:

Under Participatory Irrigation Management, elections to 1300 Water Users Associations have been completed during 2009 – 2010. During this year, elections to 1020 WUAs pertaining to III Phase sub basins have been conducted. On the whole, 2320 WUAs have been formed out of 2361 WUAs in I, II & III Phase Sub basins.

Support Organizations (SOs) are also to be positioned shortly for providing capacity building to all WUAs in 21 sub-basins, with the agreements to be concluded. The procurement of SOs for the remaining 34 sub-basins is in progress. The SOs is required to motivate the farmers / WUAs Members etc for involving and sharing their responsibilities in line with the TNFMIS Act.

### Agricultural Engineering Department

Agricultural Engineering Department have installed Micro Irrigation systems in 13328.61 hectares, 1685 Farm Ponds and 24 Water Harvesting Structures have been constructed in Phase - I, II and III sub-basins. Further in these sub-basins, 794 Farm Machineries have been distributed to the Water User's Associations and 8 packages of Improved water conveyance system using PVC pipes have been laid so far, since inception.

### Agriculture Department

Crop Demonstrations for paddy, pulses, maize, groundnut etc were conducted in 43355 hectares in the 55 sub basins. Significant improvement in yield upto 54% in paddy (SRI), 86% in Maize and 72% pulses was achieved. An impact area of 287023 hectares has been identified and



216046 hectares was covered.

Exceptional yields were recorded in SRI and pulses Demonstrations in the following areas:-

Swethanadhi Sub Basin, Thondaimanthurai Village in Perambalur District – Paddy 11374Kg per hectare as compared to 6327 Kg per hectare in the previous year.

Varahanadhi Sub Basin, Vikravandi Village in Villupuram District – Pulses (Black gram) 1375 Kg per hectare as compared to 866 Kg per hectare in the previous year.

## Horticulture Department

Horticulture Department both by way of Diversification and Transfer of latest crop production technologies an additional area of 28258 ha has been brought (Phase I, II & III) under fruits, vegetables and other horticultural crops covering 55 sub-basins.

## Tamil Nadu Agricultural University

System of Rice Intensification (SRI) - the concept of more with less has been demonstrated by TNAU. The SRI technique consistently recorded higher average yield increase to the tune of 25-30% in most of the demonstrations laid throughout the state as compared to the traditional practice. In few demonstrations exceptional yields have been recorded.

During 2010-11 a farmer Thi. V. Thangamarimuthu from Gollapatti Village of Vaippar sub basin in

Virudhunagar district recorded 9720 kg of Paddy per ha through SRI as compared to 5220 kg per ha (86% increase) in conventional method.

Thi. Ganesan of Poovarasakudi Village, Thiruvarangulam block of Pudukottai district (Southvellar sub basin) recorded 913 kg of blackgram per ha as compared to 650 kg/ha. (40% increase in yield) under traditional method of Pulses cultivation.

During 2010-11 improved production technologies was demonstrated in Pulses (4593 ha), Groundnut (935 ha), Chillies (314 ha) and in Cotton (116 ha).

The Precision farming by the TNAU during 2010 – 11 has led to significant yield increase in various crops. Thi. Murugan of Koundinyanadhi sub basin has harvested 4000 kg/ha of dry chillies under precision farming as compared to 1500 kg/ha in conventional method. This farmer realized around Rupees one lakh of increased income per ha due to the adoption of precision farming.

## Agricultural Marketing

To support farmers with Infrastructure and Technology, thereby enabling them to earn more income. This is being done by building Drying yards, Storage sheds, Collection Centres and Agri Business Centres. Farmers are provided with Marketing Information through latest technologies. Farmers are grouped into Commodity Groups and facilitated by signing



Memorandum of understanding with private companies for specific diversified crops.

## Animal Husbandry Department

To increase the conception rate, Infertility and total Veterinary Health Care camps were conducted. To improve milk yield, the availability of green fodder was increased and an additional area of 8196 hectares was brought under fodder cultivation.

## Fisheries Department

Aquaculture has been promoted in Farm Ponds as an additional income generating activity in 559 Ponds. To meet the fish seed requirement 110 seed rearing cage Units and 12 Fish seed banks have been established. Sixteen ornamental fish culture units were established to promote rural employment and income to farmers. Hygienic fish marketing is facilitated by installing 22 Modern Fish Kiosks.

**Table 1 - Component wise Expenditure upto 31.03.2011**

Components	Estimate in USD	Estimate in Rs. Crores	Expenditure up to March 2011 Rs. Crores
A-Irrigation System Modernization	282.83	1273.00	622.21
A1-Tank US\$ 241.28 ( Rs.1086Cr )	241.28	1086.00	472.78
A2-Other than tanks \$ 41.55 (Rs.187Cr)	41.55	187.00	149.43
B-Agricultural intensification & diversification	166.24	748.00	184.14
B1-Tank \$ 117.18 (Rs.527 Cr )	117.18	527.00	149.30
B2- Other than tanks \$ 49.06 ( Rs.221Cr )	49.06	221.00	34.84
C-Institutional Modernization	52.69	237.00	23.78
D-Water Resources Management	5.00	22.50	0.01
E-Project Management Support	8.22	37.50	16.23
<b>Total Base cost</b>	<b>514.98</b>	<b>2318.00</b>	<b>846.37</b>
Physical contingencies	15.03	67.00	0.00
Price contingencies	35.99	162.00	0.00
<b>Total</b>	<b>566.00</b>	<b>2547.00</b>	<b>846.37</b>



**Table 2 - Department wise Expenditure upto 31.03.2011**

Department	Estimate in USD	Estimate in Rs Crores	Expenditure up to 31.03.2011
<b>Water Resources Organization (including MDPU)</b>	348.74	1570.00	662.23
<b>Agriculture</b>	21.79	98.00	29.94
<b>Horticulture</b>	16.17	73.00	34.01
<b>Agri. Engineering</b>	75.4	339.00	37.51
<b>Agri-marketing &amp; Agri- business</b>	20.53	92.50	24.39
<b>TNAU</b>	19.76	88.90	36.21
<b>Animal Husbandry</b>	8.73	39.30	15.18
<b>Fisheries</b>	3.86	17.30	6.90
Total Base cost	<b>514.98</b>	<b>2318.00</b>	<b>846.37</b>
<b>Physical Contingencies</b>	15.03	67.00	0.00
<b>Price Contingencies</b>	35.99	162.00	0.00
Total	<b>566.00</b>	<b>2547.00</b>	<b>846.37</b>

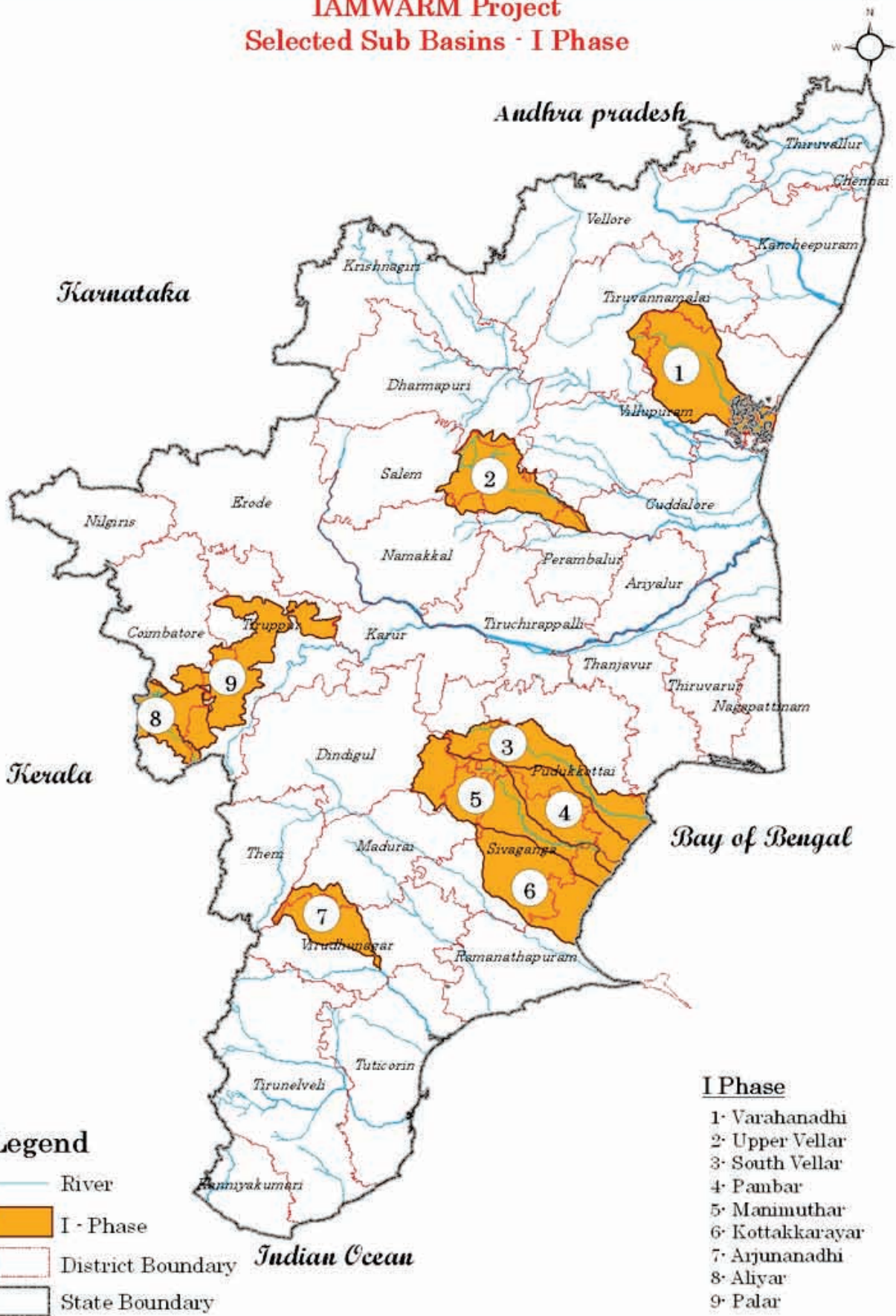


**Table 3 - Details of Reimbursement claimed and ACA released in 2007-08, 2008-09, 2009-10 & 2010-2011**

Sl. No.	Year	Expenditure			Reimbursement Claimed			Claims Admitted (upto 31.03.2011)			ACA Released (for claims admitted)			GOI Grant to be released @ 50% of the amount claimed	GOI Grant released	GOI Grant yet to be released
		Tank	Non Tank	Total	Tank	Non Tank	Total	Tank	Non Tank	Total	Tank	Non Tank	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15=(50% of Col.6)	16	17=15-16
1	2007-08	30.23	26.96	57.19	27.21	24.26	51.47	27.21	24.26	51.47	27.08	24.37	51.45	13.61	13.61	0.00
2	2008-09	191.76	58.53	250.29	172.59	52.67	225.26	172.59	52.67	225.26	156.36	53.82	210.18	86.30	69.03	17.27
3	2009-10	241.11	83.58	324.69	216.94	75.43	292.37	216.94	75.43	292.37	81.55	37.24	118.79	108.47	40.77	67.70
4	2010-11 (upto 31.12.2010)	102.63	12.44	115.07	92.38	11.18	103.56	92.38	11.18	103.56	96.48	41.57	138.05	46.19	0	46.19
	<b>Total</b>	<b>565.73</b>	<b>181.51</b>	<b>747.24</b>	<b>509.12</b>	<b>163.54</b>	<b>672.66</b>	<b>509.12</b>	<b>163.54</b>	<b>672.66</b>	<b>361.47</b>	<b>157.00</b>	<b>518.47</b>	<b>254.57</b>	<b>123.41</b>	<b>131.16</b>
4	Advance	-	-	-	-	-	-	-	-	-	32.35	68.65	101.00	-	16.18	-
	<b>Grand Total</b>	<b>565.73</b>	<b>181.51</b>	<b>747.24</b>	<b>509.12</b>	<b>163.54</b>	<b>672.66</b>	<b>509.12</b>	<b>163.54</b>	<b>672.66</b>	<b>393.82</b>	<b>225.65</b>	<b>619.47</b>	<b>254.57</b>	<b>139.59</b>	<b>131.16</b>

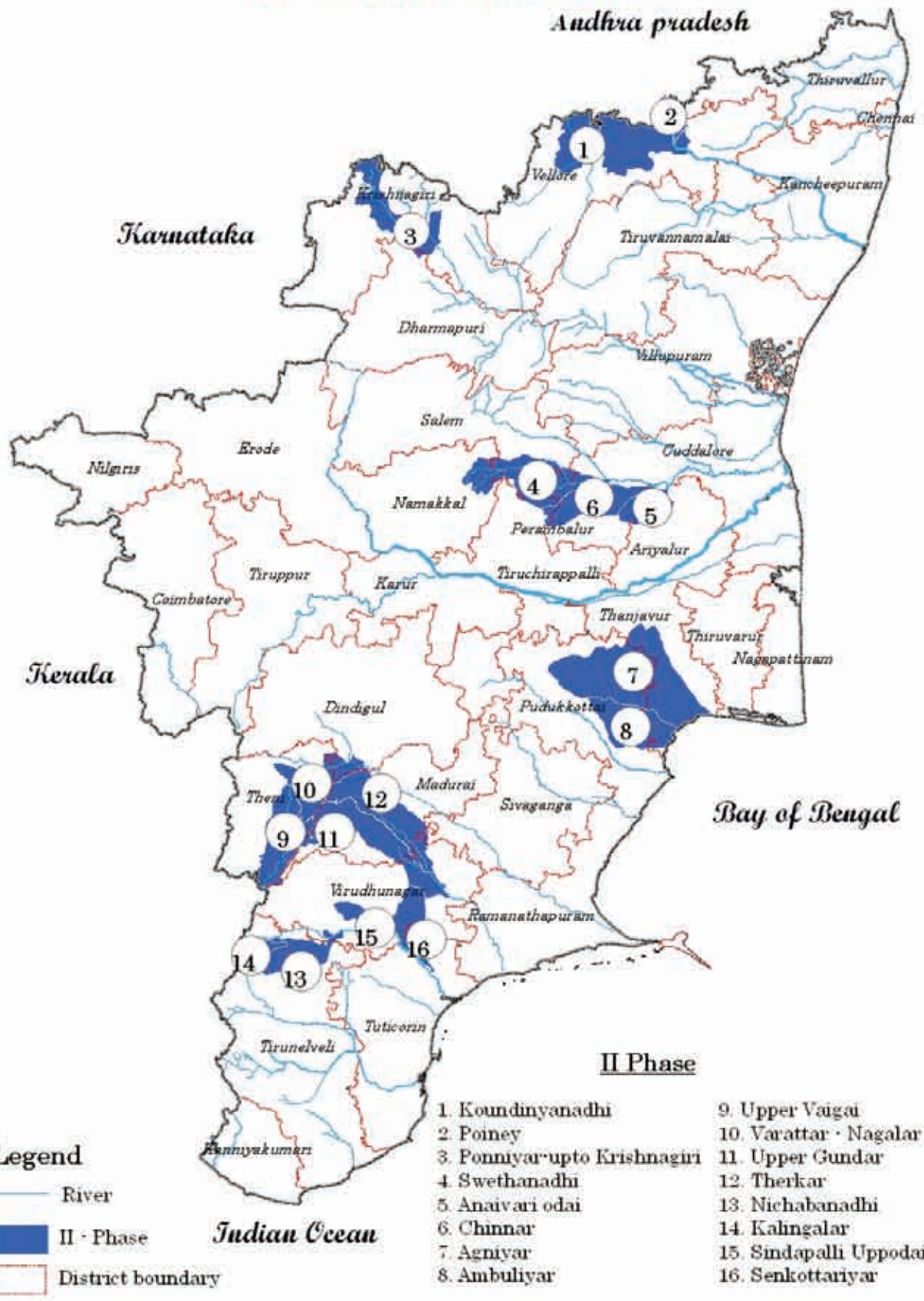
ACA released as Advance 101.00 Cr.  
 ACA released for claims admitted 518.47 Cr.  
 Total ACA received 619.47 Cr.

## IAMWARM Project Selected Sub Basins - I Phase



# IAMWARM PROJECT

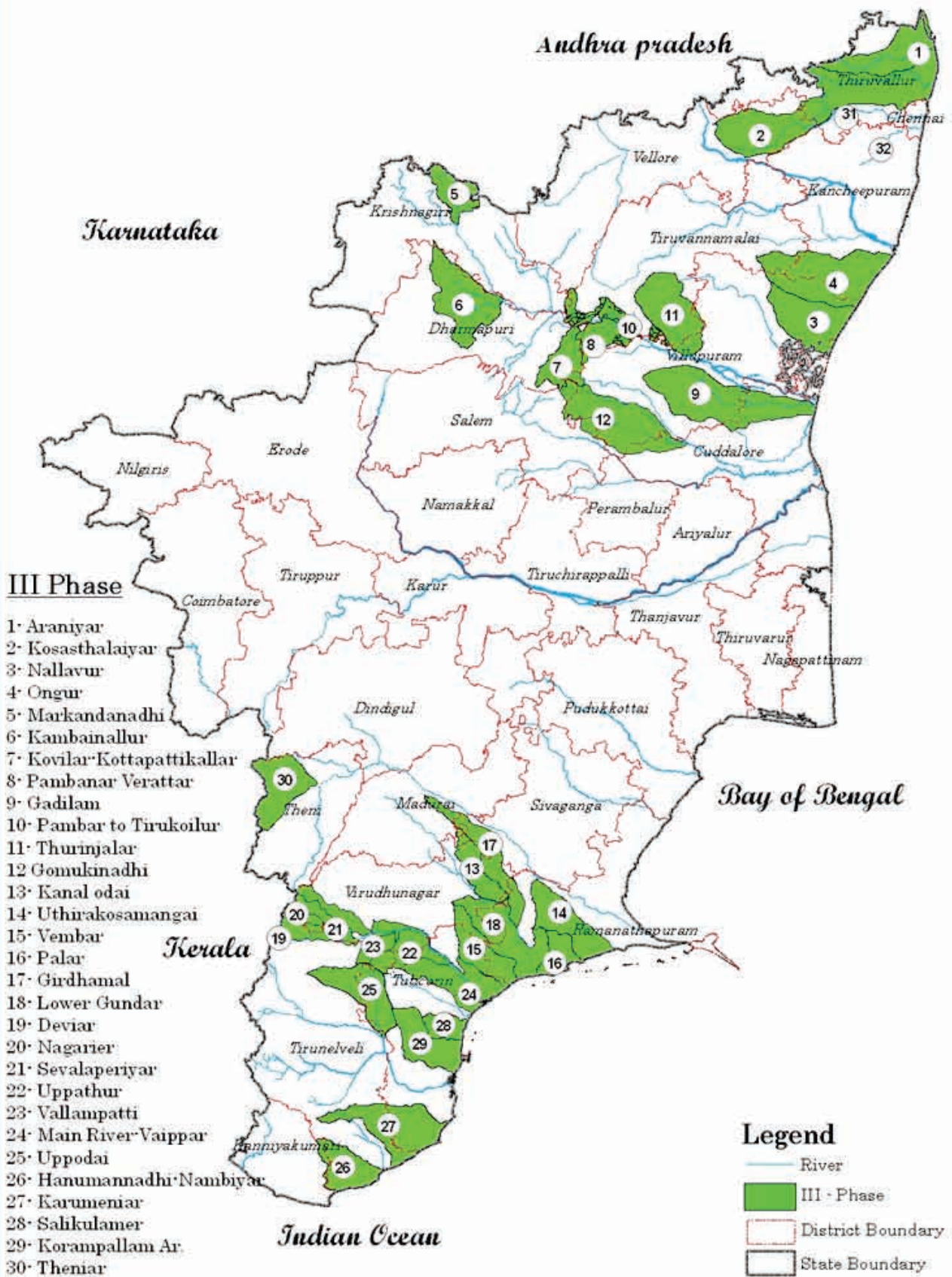
## Selected Sub Basins-II Phase



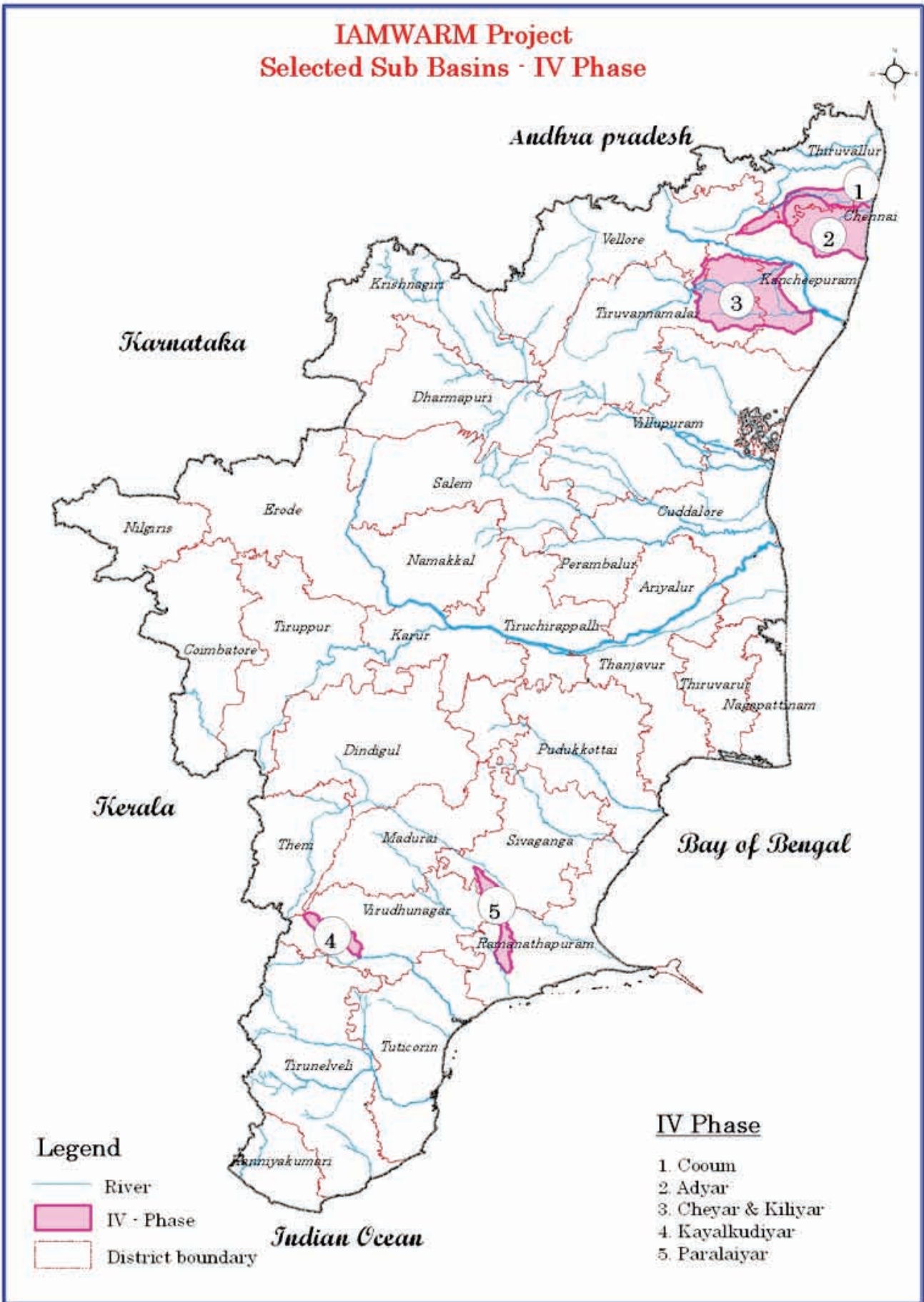


# IAMWARM PROJECT




## Selected Sub Basins - III Phase



## IAMWARM Project Selected Sub Basins - IV Phase



### Legend

-  River
-  IV - Phase
-  District boundary

### IV Phase

1. Cooum
2. Adyar
3. Cheyar & Kihyar
4. Kayalkudiyar
5. Paralaiyar





A large orange road roller is shown in the foreground, partially cut off by the right edge of the frame. It is paving a wide, light-brown dirt road. In the background, two men dressed in white traditional Indian attire are walking away from the camera on the road. The landscape is flat with some greenery and a clear blue sky. The text "PROGRESS OF LINE DEPARTMENTS" is overlaid in the center of the image in a bold, blue, sans-serif font with a white outline.

**PROGRESS OF  
LINE DEPARTMENTS**



# **WATER RESOURCES DEPARTMENT**





## WATER RESOURCES DEPARTMENT

### Abstract for Phase I & II Sub basins

S.I.N o.	Number of Sub Basin	Total No. of Packages	Total Estimate cost (Rs. in Lakhs)	Packages Taken up	Tanks (Nos.)		Anicuts (Nos.)		Supply Channels in KM		Expenditure (Rs. in Lakhs)	
					Proposed	Achieved	Proposed	Achieved	Proposed	Achieved	During the year (2010-11)	Up to 03/2011
1	Phase - I											
	9 Sub Basins	77	42581.80	76	1634	1579	233	217	3067.67	2972.6	3615.57	43323.95
2	Phase - II											
	16 Sub Basins	43	18445.80	43	757	557	165	134	1091.61	811.66	5615.83	16489.07
	<b>Grand Total</b>	<b>120</b>	<b>61027.60</b>	<b>119</b>	<b>2391</b>	<b>2136</b>	<b>398</b>	<b>351</b>	<b>4159.28</b>	<b>3784.26</b>	<b>9231.40</b>	<b>59812.02</b>

## WATER RESOURCES DEPARTMENT

### Phase I Sub basins

S.I.N o.	Name of Sub Basin	Total No. of Packages	Total Estimate cost (Rs. in Lakhs)	Packages Taken up	Tanks (Nos.)		Anicuts (Nos.)		Supply Channels in KM		Expenditure (Rs. in Lakhs)	
					Proposed	Achieved	Proposed	Achieved	Proposed	Achieved	During the year (2010-11)	Up to 03/ 2011
1	Varahanadhi	12	2387.52	12	236	194	37	22	391.90	348.47	991.49	2397.23
2	Upper Vellar	3	2447.70	3	49	49	79	79	260.54	245.00	0.00	2938.69
3	South Vellar	7	6048.00	7	292	292	29	29	297.35	297.35	921.31	5985.24
4	Pambar	7	5179.00	7	292	289	20	20	220.65	220.65	727.32	5136.91
5	Manimuthar	8	5695.00	8	378	376	31	30	49.86	49.86	66.66	6226.16
6	Kottakaraiyar	9	4300.90	9	310	302	7	7	199.54	182.66	11.03	4548.14
7	Arjunanadhi *	5	4543.00	* 4	77	77	30	30	127.18	127.18	250.62	3450.96
8	Aliyar	4	1518.40	4	0	0	0	0	189.10	187.61	0.00	1549.01
9	Palar - I Year	12	5755.08	12	0	0	0	0	573.79	565.16	153.44	6165.80
	II Year	10	4707.20	10	0	0	0	0	757.77	748.66	493.70	4924.81
	<b>Total</b>	<b>77</b>	<b>42581.8</b>	<b>76</b>	<b>1634</b>	<b>1579</b>	<b>233</b>	<b>217</b>	<b>3067.68</b>	<b>2972.60</b>	<b>3615.57</b>	<b>43322.95</b>

• 1 Package dropped

## WATER RESOURCES DEPARTMENT

### Phase II Sub basins

Sl. No	Name of Sub Basin	Total No. of Packages	Total Estimate cost (Rs. in Lakhs)	Packages Taken up	Tanks (Nos.)		Anicuts (Nos.)		Supply Channels in KM		Expenditure (Rs. in Lakhs)	
					Proposed	Achieved	Proposed	Achieved	Proposed	Achieved	During the year (2010-11)	Up to 03/ 2011
1	Poiney	5	2550.51	5	142	120	1	1	282.49	255.49	1016.82	2197.98
2	Koundinyanadhi	2	575.88	2	33	33	0	0	111.45	111.45	162.71	574.08
3	Pennaiyar upto Krishnagiri	2	682.84	2	6	3	11	2	108.22	56.33	94.23	475.88
4	Swethanadhi	4	895.00	4	18	11	33	26	73.80	65.70	410.01	813.99
5	Anaivari Odai	1	220.65	1	16	16	5	5	17.28	17.28	115.06	229.18
6	Chinnar	2	536.00	2	33	33	9	9	44.54	44.54	220.27	582.32
7	Agniyar	6	4486.00	6	183	85	16	10	285.80	111.93	1586.60	3529.79
8	Ambuliyar	4	2146.00	4	104	51	17	10	80.85	74.350	720.56	2075.56
9	Upper Vaigai	1	201.00	1	9	9	4	4	2.05	2.05	0.00	200.95
10	Varattar Nagalar	1	157.00	1	7	7	9	9	0.83	0.83	0.00	156.00
11	Upper Gundar	3	865.00	3	22	22	22	22	37.09	30.85	68.31	855.36
12	Therkar	4	2268.40	4	103	103	11	11	21.95	21.95	45.00	2208.27
13	Nichabanadhi	3	1376.00	3	40	26	17	15	8.65	5.05	784.44	1289.83
14	Kalingalar	2	567.50	2	11	11	7	7	10.61	8.35	111.35	533.06
15	Sindapalli Uppodai	1	122.00	1	6	6	1	1	0.80	0.80	51.07	120.63
16	Sinkottaiyar	2	796.00	2	24	21	2	2	5.20	4.70	229.40	646.19
	<b>Total</b>	<b>43</b>	<b>18445.78</b>	<b>43</b>	<b>757</b>	<b>557</b>	<b>165</b>	<b>134</b>	<b>1091.61</b>	<b>811.65</b>	<b>5615.83</b>	<b>16489.07</b>

## WATER RESOURCES DEPARTMENT

### Phase III Sub basins

Sl. No	Name of Sub Basin	Total No. of Packages	Total Estimate cost (Rs. in Lakhs)	Packages Taken up	Tanks (Nos.)		Anicuts (Nos.)		Supply Channels (in KM)		Expenditure (Rs. in Lakhs)	
					Proposed	Achieved	Proposed	Achieved	Proposed	Achieved	During the year (2010-11)	Up to 03/2011
1.	Araniyar	12	5060.76	12	163	1	2	0	256.00	0.00	44.52	44.52
2.	Kosasthalaiyar *	18	8172.04		262		0		497.75	*		
3.	Nallavur	5	1730.214	4	75	1	5	0	109.18	0.00	3.03	3.03
4.	Ongur	12	3033.55	12	163	0	6	0	251.98	0.00	192.79	192.79
5.	Markendeyanadhi	1	118.36	1	3	2	9	1	20.00	1.50	55.18	55.18
6.	Kambainallur	4	969.61	4	21	0	60	0	106.01	1.55	121.74	121.74
7.	Kovilar	1	66.00	1	0	0	2	0	7.78	0.00	29.78	29.78
8.	Pambanar and Varattar	1	293.60	1	3	0	20	0	45.29	0.00	87.91	87.91
9	Gadilam *	9	3034.98		86		13		262.65	*		
10.	Pambar to Thirukoilur	5	853.23	5	54	0	0	0	89.29	29.10	368.88	368.88
11.	Thurinjalur	4	1079.72	4	70	0	26	0	145.76	0.00	169.49	169.49
12.	Gomukhinadhi *	5	1557.18		68		43		189.98	*		
13.	Kanalodai	3	889.09	3	44	0	0	0	12.61	0	40.55	40.55
14.	Uthirakosa mangaiyar	6	2020.47	6	109	0	0	0	104.45	10.80	136.79	136.79
15.	Vembar	3	375.01	3	18	0	0	0	13.90	0.00	94.64	94.64

## WATER RESOURCES DEPARTMENT

### Phase III Sub basins

16.	<b>Palar</b>	<b>2</b>	<b>632.58</b>	<b>2</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21.34</b>	<b>0.00</b>	<b>11.94</b>	<b>11.94</b>
17.	Girudhamal	9	3957.99	9	111	0	7	0	93.87	6.80	182.88	182.88
18.	Lower Gundar	6	1361.63	6	61	0	3	0	18.17	0.00	44.42	44.42
19.	Deviar	6	1590.21	6	50	0	5	0	90.25	0.00	189.75	189.75
20.	Nagariar	2	361.41	2	8	0	7	0	8.50	0.00	50.27	50.27
21.	Sevalaperiyar	1	292.71	1	17	0	3	0	4.52	0.00	210.24	210.24
22.	Uppathurar	1	115.53	1	5	0	2	0	5.50	0.00	40.00	40.00
23.	Vallampatti	1	110.65	1	5	0	1	0	0.00	0.00	5.00	5.00
24.	Vaippar Main River	2	689.66	2	22	0	4	0	0.00	0.00	14.99	14.99
25.	Uppodai	3	535.15	3	26	0	1	0	0.00	0.00	25.57	25.57
26.	Hanumanadhi	5	1388.68	5	85	0	8	0	92.60	0.00	28.48	28.48
27.	Karumeniyar	4	1188.23	4	88	0	15	0	87.23	0.00	36.68	36.68
28.	Salikulamar	2	159.68	2	6	0	2	0	9.20	0.00	26.02	26.02
29.	Koramapliam Aru	2	366.82	2	4	0	1	0	9.00	0.00	16.72	16.72
30.	Theniar	1	655.35	1	11	0	11	0	17.73	0.00	8.47	8.47
	<b>Total</b>	<b>136</b>	<b>42660.09</b>	<b>103</b>	<b>1672</b>	<b>4</b>	<b>256</b>	<b>1</b>	<b>2570.54</b>	<b>49.75</b>	<b>2236.73</b>	<b>2236.73</b>

\*Bids to be called for



## WATER RESOURCES DEPARTMENT

### Phase IV Sub basins

Sl. No	Name of Sub Basin	Total No. of Packages	Total Estimate cost (Rs. in Lakhs)	Proposed Infrastructures		
				Tanks (Nos.)	Anicuts (Nos.)	Supply Channel (Km)
1	Cooum	7	2240.56	60	0	49.75
2	Adayar	9	3119.31	146	0	177.72
3	Cheyar & kiliyar	24	8488.97	453	2	688.11
4	Kayalkudi	1	226.20	13	2	18.40
5	Paralayar	6	3186.60	89	1	121.72
	<b>Total</b>	<b>47</b>	<b>17261.64</b>	<b>761</b>	<b>5</b>	<b>1055.70</b>

### Details of Budget Provisions (RE / FMA)

#### Water Resources Department

(Rs. in Crores)

Sl. No.	Year	Budget allocation (RE / FMA)			Actual Expenditure		
		Tank	Non Tank	Total	Tank	Non Tank	Total
1	2007-08	27.51	34.12	61.63	17.48	17.13	34.61
2	2008-09	163.92	60.74	224.66	155.90	42.27	198.17
3	2009-10	218.78	76.05	294.83	216.6	75.82	292.42
4	2010-11	290.95	52.48	343.43	106.8	14.00	120.80
	<b>Total</b>	<b>701.16</b>	<b>223.39</b>	<b>924.55</b>	<b>496.78</b>	<b>149.22</b>	<b>646.00</b>





**AGRICULTURE  
DEPARTMENT**

## AGRICULTURE DEPARTMENT

### 1. a. Phase I – Physical and Financial Progress during 2010-11

Area in Ha.

Sl. No	Sub-basins	SRI						Modified SRI						Maize					
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact	Demo Sustained		Phy	Ach	Impact		Demo Sustained		
				T	A	T	A				T	A			T	A	T	A	
1	Varahanadhi	320	320	1600	1650	320	256	-	-	-	-	30	30	300	500	30	8		
2	Arjunanadhi	130	130	650	550	130	130	-	-	-	-	30	30	300	625	30	30		
3	Upper Vellar	150	150	750	750	160	160	-	-	-	-	-	-	-	-	-	-		
4	Kottakaraiyar	250	250	1250	1250	260	260	200	1000	280	200	200	50	50	500	500	50		
5	Manimuthar	400	400	2000	1800	420	420	-	-	-	-	51	51	510	780	100	100		
6	Pambar	450	450	2250	2250	450	450	200	1000	1050	200	40	40	400	400	40	40		
7	South Vellar	670	670	3350	3380	675	675	-	-	-	-	20	20	200	200	20	20		
8	Palar	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	-		
9	Aliyar	100	100	500	525	110	100	-	-	-	-	-	-	-	-	-	-		
	IAMWARM Cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<b>Total</b>	<b>2470</b>	<b>2470</b>	<b>12350</b>	<b>12155</b>	<b>2525</b>	<b>2451</b>	<b>400</b>	<b>2000</b>	<b>1330</b>	<b>400</b>	<b>221</b>	<b>221</b>	<b>2210</b>	<b>4005</b>	<b>270</b>	<b>248</b>		



### 1. a. Phase I – Physical and Financial Progress during 2010-11

Area in Ha.

Sl. No	Sub-basins	Pulses						Groundnut & Others						Total						Financial (L. Rs.)	
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Tar	Achmt
				T	A	T	A			T	A	T	A			T	A	T	A		
1	Varahanadhi	277	277	1385	1160	400	360	246	246	2460	1480	400	383	873	873	5745	4790	1150	1007	70.895	70.725
2	Arjunanadhi	33	33	165	-	50	50	-	-	-	-	-	-	193	193	1115	1175	210	210	21.430	21.439
3	Upper Vellar	50	50	250	250	60	60	-	-	-	-	-	-	200	200	1000	1000	220	220	22.875	22.875
4	Kottakaraiyar	0	0	0	865	0	0	-	-	-	-	-	-	500	500	2750	2895	510	510	52.875	52.875
5	Manimuthar	-	-	-	-	-	-	70	70	700	1500	80	80	521	521	3210	4080	600	600	57.250	57.240
6	Pambar	-	-	-	-	-	-	-	-	-	-	-	-	690	690	3650	3700	690	690	78.675	78.646
7	South Vellar	325	325	1625	2000	400	400	-	-	-	-	-	-	1015	1015	5175	5580	1095	1095	97.400	97.382
8	Palar	100	100	500	110	117	0	175	175	1750	100	180	0	275	275	2250	1210	275	0	22.050	21.998
9	Aliyar	20	20	100	125	30	25	-	-	-	-	-	-	120	120	600	650	140	125	14.550	14.222
	IAMWARM Cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.000	2.340
	<b>Total</b>	<b>805</b>	<b>805</b>	<b>4025</b>	<b>4510</b>	<b>1057</b>	<b>895</b>	<b>491</b>	<b>491</b>	<b>4910</b>	<b>3080</b>	<b>660</b>	<b>463</b>	<b>4387</b>	<b>4387</b>	<b>25495</b>	<b>25080</b>	<b>4912</b>	<b>4457</b>	<b>441.000</b>	<b>439.741</b>

### 1. b. Phase I – Physical and Financial Cumulative Progress up to 2010-11

Area in Ha.

Sl. No	Sub-basins	Paddy (Tech)						SRI						Modified SRI					
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained	
				T	A	T	A			T	A	T	A			T	A	T	A
1	Varahanadhi	-	-	-	-	-	840	840	4200	4687	520	456	-	-	-	-	-	-	
2	Arjunanadhi	-	-	-	-	1090	1090	5450	6510	960	960	-	-	-	-	-	-		
3	Upper Vellar	328	328	2296	2296	328	433	2165	2429	283	283	-	-	-	-	-	-		
4	Kottakaraiyar	500	500	3500	3500	500	563	2815	3012	313	313	400	400	2000	280	200	200		
5	Manimuthar	750	750	5250	5250	750	905	4525	4600	505	505	-	-	-	-	-	-		
6	Pambar	230	230	1610	1610	230	960	4800	2899	510	510	400	400	2000	1050	200	200		
7	South Vellar	1161	1161	8127	8127	1161	1725	8625	6630	1055	1055	-	-	-	-	-	-		
8	Palar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
9	Aliyar	-	-	-	-	-	410	2050	1635	310	300	-	-	-	-	-	-		
	IAMWARM Cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	<b>Total</b>	<b>2969</b>	<b>2969</b>	<b>20783</b>	<b>20783</b>	<b>2969</b>	<b>6926</b>	<b>34630</b>	<b>32402</b>	<b>4456</b>	<b>4382</b>	<b>800</b>	<b>800</b>	<b>4000</b>	<b>1330</b>	<b>400</b>	<b>400</b>		

**1. b. Phase I – Physical and Financial Cumulative Progress up to 2010-11**

Area in Ha.

Sl. No	Sub-basins	Maize						Pulses						Groundnut & Others					
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained	
				T	A	T	A			T	A	T	A			T	A	T	A
1	Varahanadhi	168	168	1680	1677	138	116	677	677	3385	3210	400	360	671	671	6710	5642	425	408
2	Arjunanadhi	848	848	8480	8170	818	818	500	500	2500	4228	467	467	369	369	3690	3683	369	286
3	Upper Vellar	701	701	7010	7010	701	701	250	250	1250	1950	200	200	85	85	850	850	85	85
4	Kottakaraiyar	833	833	8330	2675	783	783	766	766	3830	3221	766	766	146	146	1460	1460	146	146
5	Manimuthar	800	800	8000	4030	749	749	866	866	4330	4275	866	866	250	250	2500	2500	180	180
6	Pambar	944	944	9440	9320	904	904	1065	1065	5325	3219	1065	1065	305	305	3050	3700	305	305
7	South Vellar	188	188	1880	1730	168	168	1750	1750	8750	6510	1425	1425	433	433	4330	4225	433	433
8	Palar	2166	2166	21660	21947	2166	2166	471	471	2355	2758	371	254	754	754	7540	3407	579	399
9	Aliyar	200	200	2000	1980	200	200	50	50	250	125	30	25	73	73	730	645	73	73
	IAMVARM Cell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>6848</b>	<b>6848</b>	<b>68480</b>	<b>58539</b>	<b>6627</b>	<b>6605</b>	<b>6395</b>	<b>6395</b>	<b>31975</b>	<b>29496</b>	<b>5590</b>	<b>5428</b>	<b>3086</b>	<b>3086</b>	<b>30860</b>	<b>26112</b>	<b>2595</b>	<b>2315</b>

### 1. b. Phase I – Physical and Financial Cumulative Progress up to 2010-11

Area in Ha.

Sl. No	Sub-basins	Total							Financial (L. Rs.)	
		Phy	Ach	Impact		Demo Sustained		Tar	Achmt	
				T	A	T	A			
1	Varahanadhi	2356	2356	15975	15216	1483	1340	178.867	169.106	
2	Arjunanadhi	2807	2807	20120	22591	2614	2531	108.369	105.557	
3	Upper Vellar	1797	1797	13571	14535	1597	1597	100.383	100.381	
4	Kottakaraiyar	3208	3208	21935	14148	2708	2708	153.547	146.823	
5	Manimuthar	3571	3571	24605	20655	3050	3050	170.755	167.739	
6	Pambar	3904	3904	26225	21798	3214	3214	218.906	215.760	
7	South Vellar	5257	5257	31712	27222	4242	4242	290.040	284.611	
8	Palar	3391	3391	31555	28112	3116	2819	277.915	273.306	
9	Aliyar	733	733	5030	4385	613	598	88.487	83.016	
	IAMWARM Cell	-	-	-	-	-	-	16.000	6.942	
	<b>Total</b>	<b>27024</b>	<b>27024</b>	<b>190728</b>	<b>168662</b>	<b>22637</b>	<b>22099</b>	<b>1603.269</b>	<b>1553.240</b>	

## 2. a. Phase II – Physical and Financial Progress during 2010-11

Area in Ha.

Sl. No	Sub-basins	SRI						Maize						Pulses					
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained	
				T	A	T	A			T	A	T	A			T	A	T	A
1	Pennaiyar	135	135	675	750	150	150	-	-	-	-	-	-	-	-	-	-	-	-
2	Swethanadhi	15	15	75	75	20	20	25	25	250	750	50	50	10	10	50	50	12	12
3	Anaivari Odai	20	20	100	155	30	30	-	-	-	50	5	5	20	20	100	100	25	20
4	Chinnar	90	90	450	485	95	95	-	-	-	100	10	10	25	25	125	150	25	25
5	Agniyar	315	315	1575	1600	320	320	20	20	200	1050	20	20	135	135	675	665	170	170
6	Ambuliyar	170	170	850	900	180	180	10	10	100	100	10	10	70	70	350	350	70	70
7	Upper Vaigai	5	5	25	25	10	10	0	0	0	25	5	5	35	35	175	80	40	40
8	Varattar-Nagalar	-	-	-	-	-	-	10	10	100	112	10	10	25	25	125	100	25	25
9	Nichabanadhi	75	75	375	375	75	75	-	-	-	-	30	30	35	35	175	175	35	35
10	Kalingalar	60	60	300	300	60	60	-	-	-	-	10	10	25	25	125	125	25	25
11	Sindapalli Uppodai	-	-	-	10	5	5	-	-	-	100	5	5	-	-	-	-	10	10
12	Senkottaiyar	5	5	25	65	10	10	-	-	-	115	10	10	35	35	175	206	40	40
13	Upper Gundar	130	130	650	256	130	95	-	-	-	-	-	-	60	60	300	-	60	-
14	Thekar	285	285	1425	478	300	205	-	-	-	-	-	-	80	80	400	-	100	-
15	Poiney	120	120	600	659	125	125	20	20	200	232	20	20	145	145	725	810	175	175
16	Koundinyanadhi	40	40	200	217	50	50	10	10	100	115	10	10	60	60	300	248	60	60
	<b>Total</b>	<b>1465</b>	<b>1465</b>	<b>7325</b>	<b>6350</b>	<b>1560</b>	<b>1430</b>	<b>95</b>	<b>95</b>	<b>950</b>	<b>2749</b>	<b>195</b>	<b>195</b>	<b>760</b>	<b>760</b>	<b>3800</b>	<b>3059</b>	<b>872</b>	<b>707</b>

## 2. a. Phase II – Physical and Financial Progress during 2010-11

Area in Ha.

Sl. No	Sub-basins	Groundnut & Others						Total						Financial (L. Rs.)	
		Phy	Ach	Impact T	A	Demo Sustained T	A	Phy	Ach	Impact T	A	Demo Sustained T	A	Tar	Achmt
1	Pennaiyar	50	50	500	500	50	50	185	185	1175	1250	200	200	19.713	19.713
2	Swethanadhi	10	10	100	100	10	10	60	60	475	975	92	92	6.663	6.663
3	Anaivari Odai	-	-	-	50	5	5	40	40	200	355	65	60	4.450	4.450
4	Chinnar	-	-	-	-	-	-	115	115	575	735	130	130	13.550	13.550
5	Agniyar	25	25	250	250	25	25	495	495	2700	3565	535	535	50.988	50.985
6	Ambuliyar	10	10	100	100	10	10	260	260	1400	1450	270	270	26.225	26.225
7	Upper Vaigai	-	-	-	-	-	-	40	40	200	130	55	55	3.913	3.910
8	Varattar - Nagalar	-	-	-	-	-	-	35	35	225	212	35	35	3.475	3.477
9	Nichabanadhi	-	-	-	-	-	-	110	110	550	550	140	140	12.838	12.833
10	Kalingalar	-	-	-	-	-	-	85	85	425	425	95	95	9.325	9.322
11	Sindapalli Uppodai	-	-	-	-	-	-	-	-	-	110	20	20	2.100	2.099
12	Senkottaiyar	-	-	-	-	-	-	40	40	200	386	60	60	5.313	5.263
13	Upper Gundar	-	-	-	-	-	-	190	190	950	256	190	95	20.875	20.873
14	Thekar	-	-	-	-	-	-	365	365	1825	478	400	205	40.488	40.481
15	Poinney	50	50	500	545	50	50	335	335	2025	2246	370	370	27.575	27.575
16	Koundinyanadhi	20	20	200	230	20	20	130	130	800	810	140	140	12.500	12.500
	<b>Total</b>	<b>165</b>	<b>165</b>	<b>1650</b>	<b>1775</b>	<b>170</b>	<b>170</b>	<b>2485</b>	<b>2485</b>	<b>13725</b>	<b>13933</b>	<b>2797</b>	<b>2502</b>	<b>259.988</b>	<b>259.918</b>

## 2. b. Phase II – Physical and Financial Cumulative Progress up to 2010-11

Area in Ha.

Sl. No	Sub-basins	SRI						Maize						Pulses						
		Phy		Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained	
		T	A		T	A	T	A			T	A	T	A			T	A	T	A
1	Pennaiyar	365	1825	365	1889	230	230	-	-	-	-	-	-	-	-	-	-	-	-	
2	Swethanadhi	50	250	50	325	35	35	150	150	150	2000	125	125	32	32	160	270	22	22	
3	Anaivari Odai	70	350	70	455	50	50	10	100	10	100	10	10	60	60	300	250	40	35	
4	Chinnar	245	1225	245	1408	155	155	25	250	25	250	25	25	70	70	350	350	45	45	
5	Agniyar	785	3925	785	2844	470	470	120	1200	120	1865	100	100	410	410	2050	1845	275	275	
6	Ambuliayar	470	2350	470	1920	300	300	42	420	42	320	32	32	202	202	1010	1205	132	132	
7	Upper Vaigai	25	125	25	160	20	20	10	100	10	115	10	10	90	90	450	375	55	55	
8	Varattar-Nagalar	-	-	-	-	-	-	30	300	30	302	20	20	60	60	300	300	35	35	
9	Nichabanadhi	200	1000	200	1062	125	125	60	600	60	600	60	60	100	100	500	645	65	65	
10	Kalingalar	150	750	150	796	90	90	20	200	20	400	20	20	80	80	400	550	55	55	
11	Sindapalli Uppodai	10	50	10	60	10	10	10	100	10	200	10	10	15	15	75	80	15	15	
12	Senkottaiyar	20	100	20	100	15	15	25	250	25	315	25	25	95	95	475	396	60	60	
13	Upper Gundar	340	1700	340	1376	210	175	-	-	-	-	-	-	160	160	800	694	100	40	
14	Thekar	785	3925	785	2898	500	405	-	-	-	-	-	-	220	220	1100	754	140	40	
15	Poincy	315	1575	315	1149	195	195	90	900	90	732	70	70	390	390	1950	1510	245	245	
16	Koundinyanadhi	110	550	110	357	70	70	40	400	40	315	30	30	150	150	750	548	90	90	
	<b>Total</b>	<b>3940</b>	<b>19700</b>	<b>3940</b>	<b>16799</b>	<b>2475</b>	<b>2345</b>	<b>632</b>	<b>6320</b>	<b>632</b>	<b>7514</b>	<b>537</b>	<b>537</b>	<b>2134</b>	<b>2134</b>	<b>10670</b>	<b>9772</b>	<b>1374</b>	<b>1209</b>	

## 2. b. Phase II – Physical and Financial Cumulative Progress up to 2010-11

Area in Ha.

Sl. No	Sub-basins	Groundnut & Others						Total						Financial (L. Rs.)	
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Tar	Achmt
				T	A	T	A			T	A	T	A		
1	Pennaiyar	200	200	2000	2489	150	150	565	565	3825	4378	380	380	50,748	50,740
2	Swethanadhi	47	47	470	470	37	37	279	279	2380	3065	219	219	21,699	21,657
3	Anaivari Odai	10	10	100	100	10	10	150	150	850	905	110	105	13,570	12,593
4	Chinnar	-	-	-	-	-	-	340	340	1825	2008	225	225	34,708	32,226
5	Agniyar	125	125	1250	1095	100	100	1440	1440	8425	7649	945	945	126,433	126,280
6	Ambuliyar	70	70	700	590	60	60	784	784	4480	4035	524	524	68,075	68,045
7	Upper Vaigai	-	-	-	-	-	-	125	125	675	650	85	85	10,483	10,443
8	Varattar-Nagalar	-	-	-	-	-	-	90	90	600	602	55	55	7,955	7,841
9	Nichabanadhi	-	-	-	-	-	-	360	360	2100	2307	250	250	33,810	33,806
10	Kalingalar	-	-	-	-	-	-	250	250	1350	1746	165	165	23,230	23,226
11	Sindapalli Uppodai	-	-	-	-	-	-	35	35	225	340	35	35	6,451	6,420
12	Senkottaiyar	-	-	-	-	-	-	140	140	825	811	100	100	13,746	13,620
13	Upper Gundar	-	-	-	-	-	-	500	500	2500	2070	310	215	49,680	49,677
14	Thekar	-	-	-	-	-	-	1005	1005	5025	3652	640	445	101,208	101,195
15	Poiney	225	225	2250	1795	175	175	1020	1020	6675	5186	685	685	71,593	71,428
16	Koundinyanadhi	80	80	800	630	60	60	380	380	2500	1850	250	250	31,225	31,116
	<b>Total</b>	<b>757</b>	<b>757</b>	<b>7570</b>	<b>7169</b>	<b>592</b>	<b>592</b>	<b>7463</b>	<b>7463</b>	<b>44260</b>	<b>41254</b>	<b>4978</b>	<b>4683</b>	<b>664,610</b>	<b>660,313</b>



### 3. Phase III – Physical and Financial Progress during 2010-11

Area in Ha.

Sl. No	Sub-basins	Paddy (Tech)						SRI						Maize					
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained	
				T	A	T	A			T	A	T	A			T	A	T	A
1	Araniar	-	-	-	-	1750	1750	8750	275	-	-	200	200	2000	-	-	-	-	
2	Kosasthalaiyar	-	-	-	-	1270	1270	6350	325	-	-	65	65	650	-	-	-	-	
3	Ongur	-	-	-	-	310	310	1550	750	-	-	46	46	460	-	-	-	-	
4	Pambanar Varattar	-	-	-	-	30	30	150	-	-	-	7	7	70	-	-	-	-	
5	Thurinjalur	-	-	-	-	85	85	425	-	-	20	20	200	-	-	-	-	-	
6	Gomukinadhi	-	-	-	-	100	100	500	260	-	-	47	47	470	-	-	55	-	
7	Nallavur	-	-	-	-	100	100	500	120	-	-	50	50	500	-	-	55	-	
8	Pambar to Tirukoilur	-	-	-	-	70	70	350	160	-	-	28	28	280	-	-	45	-	
9	Gadilam	-	-	-	-	191	191	955	-	-	50	50	500	-	-	-	-	-	
10	Markandanadhi	-	-	-	-	10	10	50	-	-	5	5	50	-	-	-	-	-	
11	Kambainallur	-	-	-	-	19	19	95	-	-	20	20	200	-	-	-	-	-	
12	Kovilar	-	-	-	-	3	3	15	-	-	10	10	100	-	-	-	-	-	
13	Theniar	-	-	-	-	17	17	85	-	-	55	55	550	-	-	-	-	-	
14	Girdhamal	28	28	140	-	405	405	2025	2025	-	10	10	100	-	-	-	-	-	
15	Lower Gundar	190	190	950	-	20	20	100	-	-	13	13	130	-	-	-	-	-	

### 3. Phase III – Physical and Financial Progress during 2010-11

Area in Ha.

Sl. No	Sub-basins	Paddy (Tech)						SRI						Maize						
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		
				T	A	T	A			T	A	T	A			T	A	T	A	T
16	Palar	115	115	575	-	-	-	-	-	-	-	-	-	-	-	5	5	50	-	-
17	Uthirakosamangai	265	265	1325	-	-	-	-	-	-	-	-	-	-	-	10	10	100	-	-
18	Kanal Odai	-	-	-	-	-	101	101	505	-	-	-	-	-	-	10	10	100	-	-
19	Sevalaperiyar	-	-	-	-	-	50	50	250	-	-	-	-	-	-	5	5	50	-	-
20	Nagarier	-	-	-	-	-	60	60	300	-	-	-	-	-	-	-	-	-	-	-
21	Vallampatti	-	-	-	-	-	6	6	30	-	-	-	-	-	-	8	8	80	-	-
22	Deviar	-	-	-	-	-	170	170	850	350	-	-	-	-	-	15	15	150	-	-
23	Hanumannadhi	-	-	-	-	-	70	70	350	350	-	-	-	-	-	-	-	-	-	-
24	Karumeniyar	-	-	-	-	-	135	135	675	300	-	-	-	-	-	-	-	-	-	-
25	Uppodai	-	-	-	-	-	63	63	315	150	-	-	-	-	-	20	20	200	50	-
26	Korampallam Aru	-	-	-	-	-	24	24	120	-	-	-	-	-	-	10	10	100	-	-
27	Salikulamer	-	-	-	-	-	1	1	5	-	-	-	-	-	-	4	4	40	-	-
28	Uppathurar	-	-	-	-	-	7	7	35	-	-	-	-	-	-	5	5	50	-	-
29	Vembar	11	11	55	-	-	5	5	25	-	-	-	-	-	12	12	120	-	-	
30	Vaippar	-	-	-	-	-	26	26	130	-	-	-	-	-	19	19	190	-	-	
	<b>Total</b>	<b>609</b>	<b>609</b>	<b>3045</b>	<b>0</b>	<b>0</b>	<b>5098</b>	<b>5098</b>	<b>25490</b>	<b>5065</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>749</b>	<b>749</b>	<b>7490</b>	<b>205</b>	<b>0</b>	<b>0</b>

### 3. Phase III – Physical and Financial Progress during 2010-11

Area in Ha.

Sl. No	Sub-basins	Pulses						Groundnut & Others						Total						Financial (L. Rs.)	
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Tar	Achmt
				T	A	T	A			T	A	T	A			T	A	T	A		
1	Aranjar	350	350	1750	-	-	200	200	2000	-	-	2500	2500	14500	275	-	260.515	241.622			
2	Kosasthalaiyar	450	450	2250	-	-	260	260	2600	-	-	2045	2045	11850	325	-	207.405	203.566			
3	Ongur	160	160	800	-	-	80	80	800	-	-	596	596	3610	750	-	57.435	56.280			
4	Pambanar Varattar	6	6	30	-	-	10	10	100	-	-	53	53	350	-	-	5.275	5.200			
5	Thurinjalur	28	28	140	-	-	15	15	150	-	-	148	148	915	-	-	15.203	14.815			
6	Gomukinadhi	60	60	300	-	-	17	17	170	45	-	224	224	1440	360	-	19.890	19.820			
7	Nallavur	75	75	375	128	-	75	75	750	55	-	300	300	2125	358	-	27.165	27.155			
8	Pambar to Tirukoilur	35	35	175	110	-	5	5	50	12	-	138	138	855	327	-	12.995	12.990			
9	Gadilam	75	75	375	-	-	30	30	300	-	-	346	346	2130	-	-	34.668	34.598			
10	Markandanadhi	6	6	30	-	-	12	12	120	-	-	33	33	250	-	-	2.705	2.705			
11	Kambainallur	35	35	175	-	-	18	18	180	-	-	92	92	650	-	-	7.658	7.658			
12	Kovilar	10	10	50	-	-	4	4	40	-	-	27	27	205	-	-	1.533	1.533			
13	Theniar	15	15	75	-	-	15	15	150	-	-	102	102	860	-	-	7.773	7.772			
14	Girhamal	50	50	250	-	-	5	5	50	-	-	498	498	2565	2025	-	63.498	63.493			
15	Lower Gundar	15	15	75	-	-	-	-	-	-	-	238	238	1255	-	-	21.155	21.155			

### 3. Phase III – Physical and Financial Progress during 2010-11

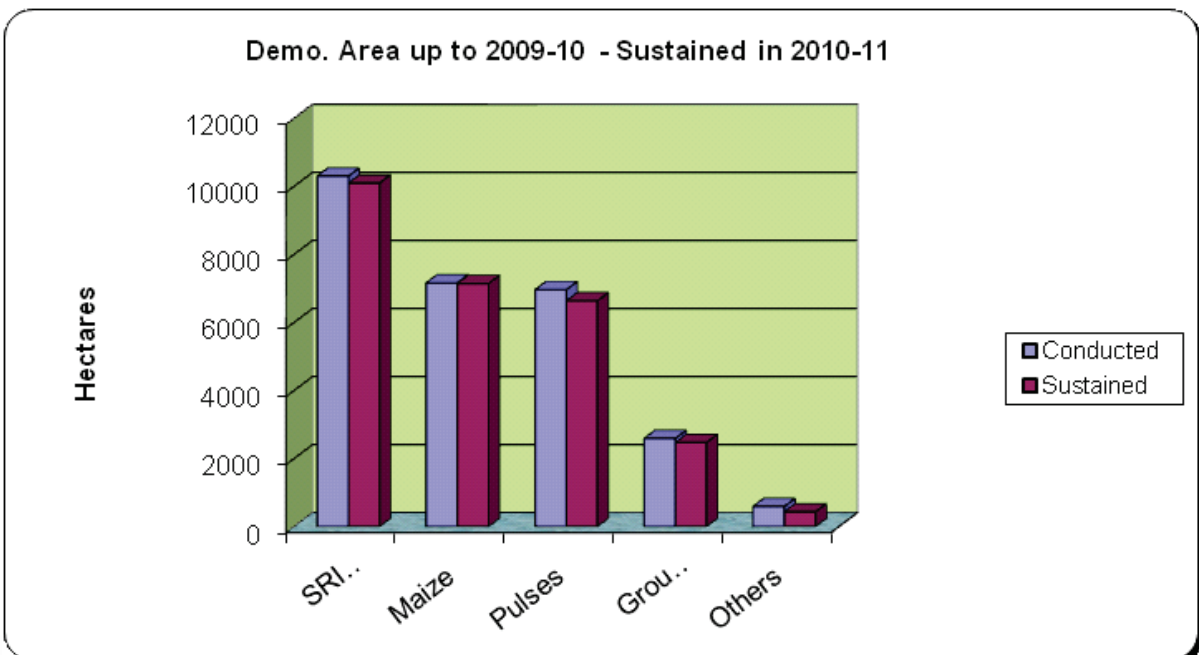
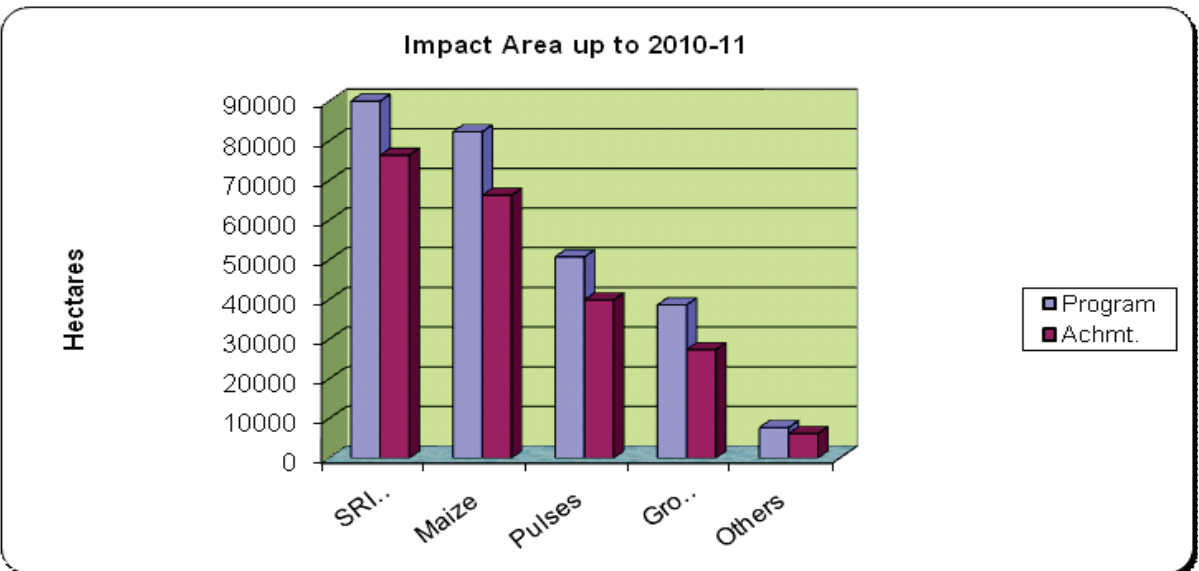
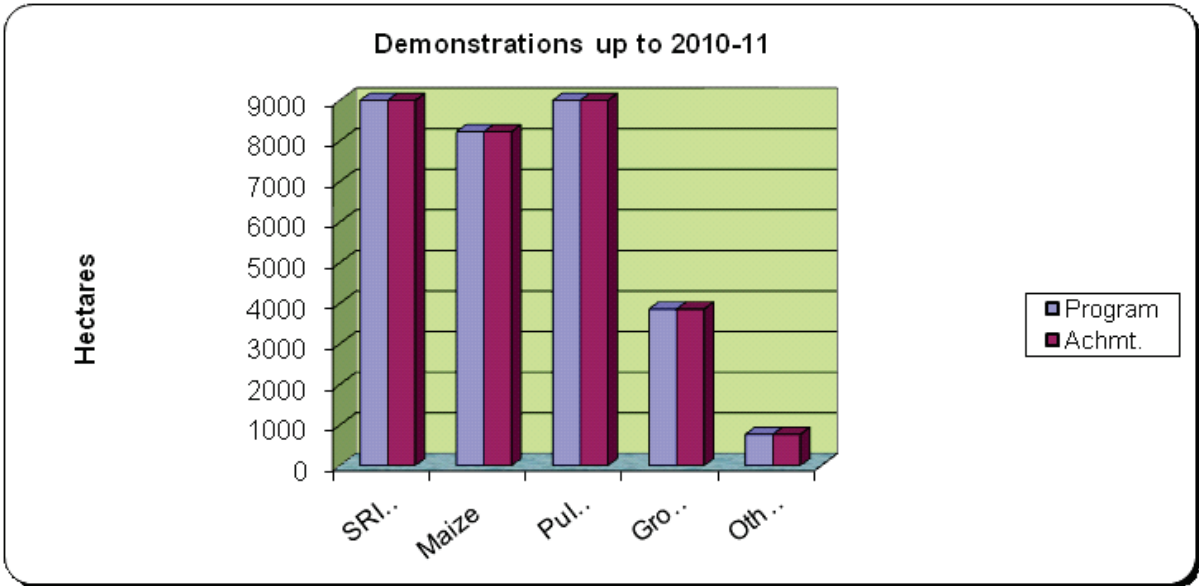
Area in Ha.

Sl. No	Sub-basins	Pulses						Groundnut & Others						Total						Financial (L. Rs.)	
		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Phy	Ach	Impact		Demo Sustained		Tar	Achmt
				T	A	T	A			T	A	T	A			T	A	T	A		
16	Palar	10	10	50	-	-	-	-	-	-	-	-	-	130	130	675	-	-	-	11,005	11,005
17	Uthirakosamangai	7	7	35	-	-	5	5	50	-	-	-	287	287	1510	-	-	-	26,200	26,200	
18	Kanal Odai	22	22	110	-	-	-	-	-	-	-	-	133	133	715	-	-	-	15,428	15,428	
19	Sevalaperiyar	11	11	55	-	-	-	-	-	-	-	-	66	66	355	-	-	-	7,640	7,633	
20	Nagarier	0	0	0	-	-	-	-	-	-	-	-	60	60	300	-	-	-	8,540	8,540	
21	Vallampatti	12	12	60	-	-	-	-	-	-	-	-	26	26	170	-	-	-	1,805	1,800	
22	Deviar	33	33	165	115	-	-	-	-	-	-	-	218	218	1165	465	-	-	26,630	26,625	
23	Hanumannadhi	40	40	200	200	-	-	20	200	100	-	-	130	130	750	650	-	-	15,025	15,023	
24	Karumeniyar	20	20	100	50	-	-	5	50	0	-	-	160	160	825	350	-	-	20,373	20,363	
25	Uppodai	18	18	90	20	-	-	5	50	25	-	-	106	106	655	245	-	-	10,643	10,620	
26	Korampallam Aru	15	15	75	-	-	2	2	20	-	-	-	51	51	315	-	-	-	4,805	4,805	
27	Salikulamer	16	16	80	-	-	3	3	30	-	-	-	24	24	155	-	-	-	1,378	1,378	
28	Uppathurar	7	7	35	-	-	-	-	-	-	-	-	19	19	120	-	-	-	1,698	1,698	
29	Vembar	16	16	80	-	-	-	-	-	-	-	-	44	44	280	-	-	-	3,628	3,628	
30	Vaippar	25	25	125	-	-	4	4	40	-	-	-	74	74	485	-	-	-	6,630	6,615	
	<b>Total</b>	<b>1622</b>	<b>1622</b>	<b>8110</b>	<b>623</b>	<b>0</b>	<b>0</b>	<b>790</b>	<b>7900</b>	<b>237</b>	<b>0</b>	<b>0</b>	<b>8868</b>	<b>8868</b>	<b>52035</b>	<b>6130</b>	<b>0</b>	<b>0</b>	<b>906,295</b>	<b>881,719</b>	

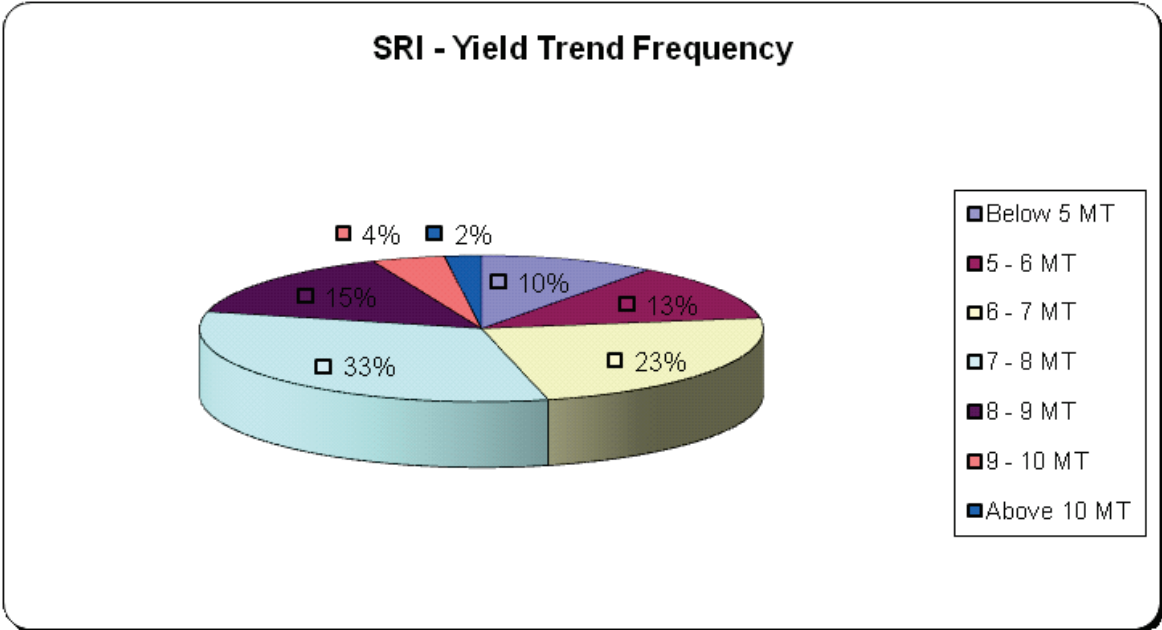




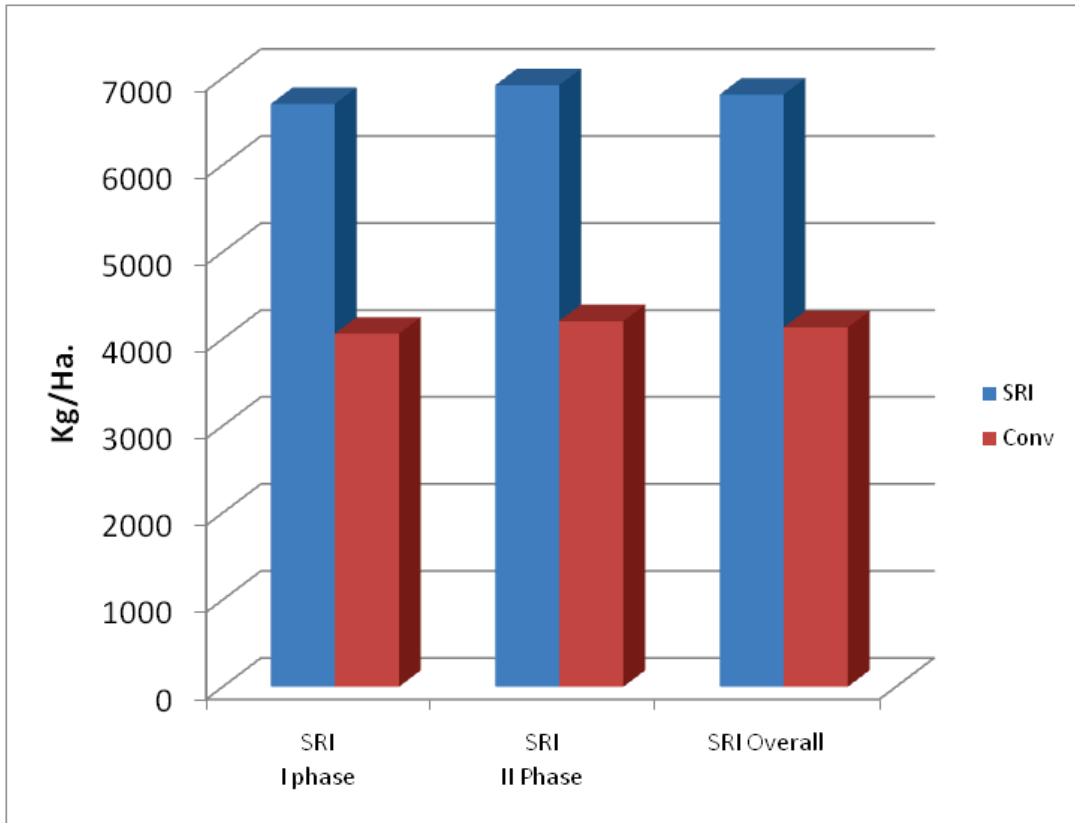
# AGRICULTURE DEPARTMENT



**Yeild Analysis**

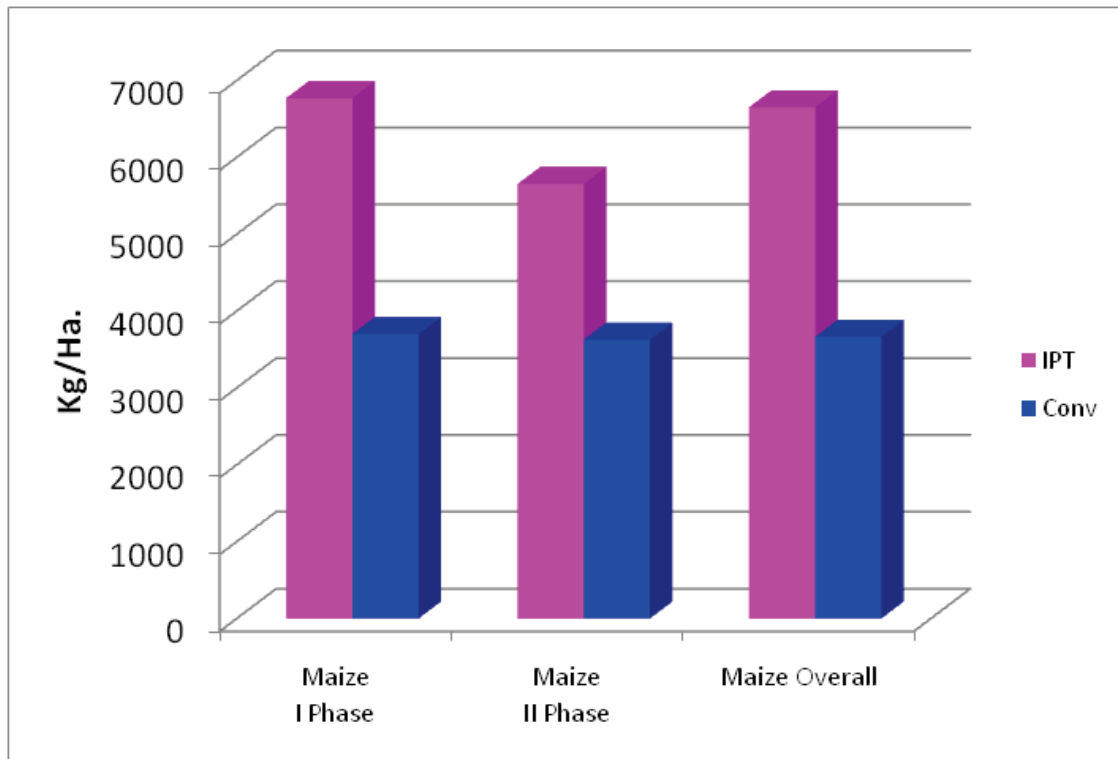


**SRI**

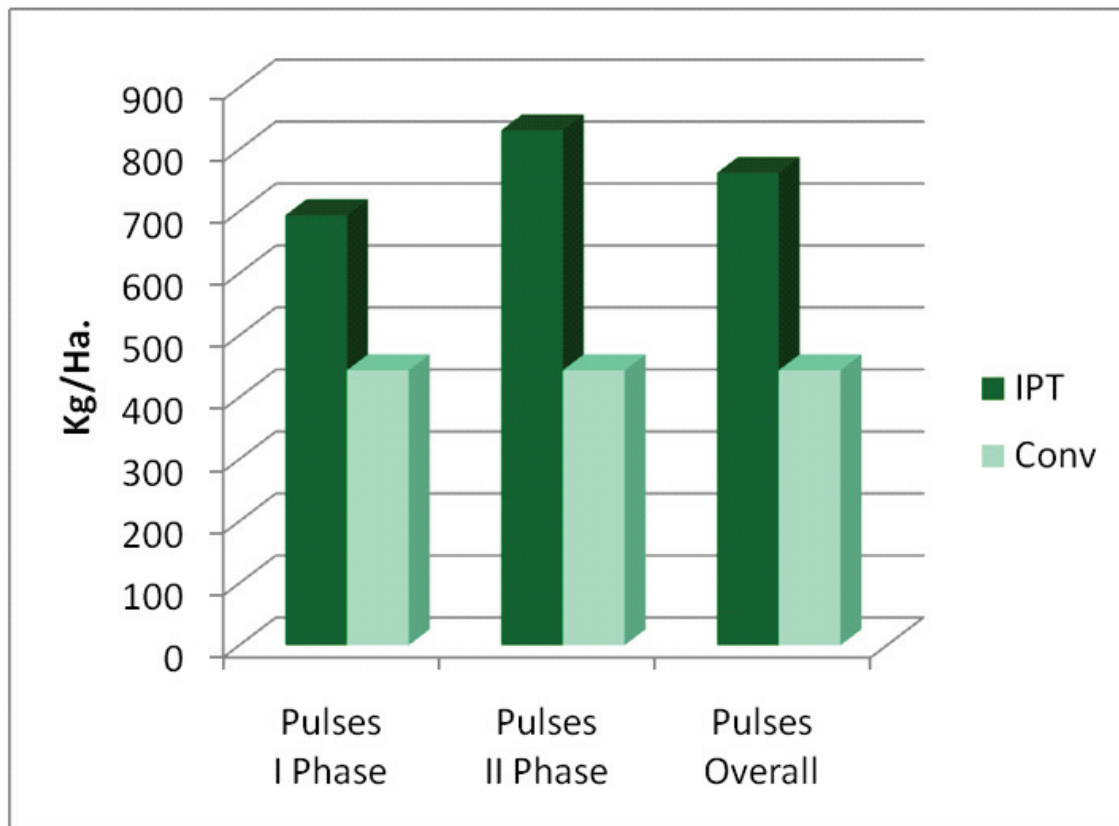


# AGRICULTURE DEPARTMENT

## Hybrid Maize



## Pulses







**TAMIL NADU**  
**AGRICULTURAL UNIVERSITY**



## TAMIL NADU AGRICULTURAL UNIVERSITY

### Yearly Progress Report for Phase I (2010 - 11) Additional Activities

Sl. No.	Sub Basin	SRI		Maize		Garden Land Pulses		Others	
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach
1	Varahanadhi	1500	1500	-	-	150	150	100	100
2	Upper Vellar	2000	2000	-	-	-	-	-	-
3	South Vellar	500	500	-	-	300	300	-	-
4	Pambar	500	500	-	-	100	100	-	-
5	Manimuthar	300	300	-	-	-	-	240	240
6	Kotakaraiyar	150	150	50	50	-	-	50	50
7	Arjunanadhi	750	750	-	-	-	-	400	400
8	Aliyar	250	250	-	-	-	-	-	-
9	Palar	-	-	-	-	-	-	150	150
	<b>Total</b>	<b>5950</b>	<b>5950</b>	<b>50</b>	<b>50</b>	<b>550</b>	<b>550</b>	<b>940</b>	<b>940</b>



## Cumulative Project Total and Yearly Progress Report for Phase I Sub basins

(Area in Ha)

Sl. No.	Sub Basin	SRI			Maize			Rice Fallow Pulses			Others			Precision Farming			Model village and organic farming	
		Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach
1	Varahanadhi	3054	3054	3568	150	150	1190	1436	1436	3210	600	600	-	-	-	20	20	
2	Upper Vellar	4000	4000	2650	110	110	700	625	625	2350	270	270	182	182	-	20	20	
3	South Vellar	1020	1020	2995	160	160	1250	1195	1195	3302	81	81	100	100	-	20	20	
4	Pambar	915	915	1905	109	109	20	800	800	2465	-	-	113	113	-	20	20	
5	Manimuthar	609	609	1519	100	100	126	288	288	-	336	336	102	102	-	20	20	
6	Kotakaraiyar	275	275	118	200	200	63	120	120	20	100	100	135	135	-	20	20	
7	Arjunanadhi	1525	1525	2729	150	150	856	600	600	875	770	770	28	28	-	20	20	
8	Aliyar	660	660	1896	-	-	-	370	370	870	96	96	392	392	-	20	20	
9	Palar	-	-	-	35	35	600	240	240	1000	385	385	885	885	-	20	20	
	<b>Total</b>	<b>12058</b>	<b>12058</b>	<b>17380</b>	<b>1014</b>	<b>1014</b>	<b>4805</b>	<b>5674</b>	<b>5674</b>	<b>14092</b>	<b>2638</b>	<b>2638</b>	<b>1936</b>	<b>1936</b>	<b>0</b>	<b>180</b>	<b>180</b>	

Activity	Sub Basin Name	Target	Achmt	Impact
<b>IPT for Thornless Bamboo</b>	Varaghanadhi	40	40	80
<b>Intercropping of Cocoa in Coconut</b>	Aliyar	400	400	800
<b>Casuarina Saucer planting</b>	Pambar	220	220	-



## Yearly Progress Report for Phase II (2010 - 11)

### Additional Activities

(Area in Ha)

Sl. No.	Sub Basin	SRI		Gardenland Pulses		Others	
		Tar	Ach	Tar	Ach	Tar	Ach
1	Agniyar	500	500	-	-	-	-
2	Ambuliyar	200	200	150	150	50	50
3	Nichaba Nadhi	200	200	100	100	100	100
4	Kalingalar	100	100	-	-	50	50
5	Therkar	250	250	-	-	-	-
6	Upper Gundar	100	100	-	-	50	50
7	Poiny	300	300	-	-	100	100
8	Koundinya Nadhi	100	100	50	50	-	-
9	Swetha Nadhi	250	250	-	-	-	-
10	Pennaiyar upto Krishnagiri	50	50	-	-	-	-
	<b>Total</b>	<b>2050</b>	<b>2050</b>	<b>300</b>	<b>300</b>	<b>350</b>	<b>350</b>

## Cumulative Project Total and Yearly Progress Report for Phase II Sub basins

(Area in Ha)

Sl. No.	Sub Basin	SRI			Maize			Rice Fallow Pulses			Others			Precision Farming			Model village and organic farming			Quality Seed Production		
		Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Tar	Ach	Tar	Ach
1	Agniya	915	915	1195	75	75	242	385	385	1266	50	50	420	-	-	-	10	10	-	-	-	-
2	Ambuliyar	410	410	1180	50	50	447	450	450	2763	100	100	238	25	15	50	20	20	10	10	10	10
3	Chinnar	105	105	545	-	-	-	100	100	350	125	125	750	-	-	-	20	20	10	10	10	10
4	Anaivari Odai	63	63	319	-	-	-	60	60	150	-	-	-	-	-	-	20	20	-	-	-	-
5	Nichaba Nadhi	357	357	95	45	45	70	260	260	-	205	205	110	15	15	-	20	20	10	10	10	10
6	Kalingalar	206	206	45	20	20	-	110	110	-	110	110	182	-	-	-	20	20	10	10	10	10
7	Sindapalli Uppodai	5	5	4	-	-	-	5	5	2	-	-	-	-	-	-	-	-	-	-	-	-
8	Senkottaiyar	12	12	-	25	25	-	65	65	-	15	15	-	-	-	-	20	40	20	20	20	20
9	Therkar	460	460	237	-	-	-	200	200	125	10	10	80	75	35	-	20	20	50	50	50	50
10	Upper Gundar	174	174	2187	15	15	150	70	70	706	80	80	200	32	11	-	20	20	10	10	10	10
11	Poiny	581	581	855	45	45	270	355	355	995	240	240	1160	50	29	-	20	20	10	10	10	10
12	Koundinya Nadhi	184	184	395	45	45	350	193	193	360	70	70	144	36	16	-	20	20	25	25	25	25
13	Varattar Nagalar	-	-	-	20	20	200	-	-	-	-	-	-	70	16	-	-	-	-	-	-	-
14	Upper Vaigai	-	-	-	20	20	100	20	20	-	-	-	-	25	8	-	10	10	-	-	-	-
15	Swetha Nadhi	475	475	175	-	-	-	25	25	250	71	71	710	105	30	25	20	20	-	-	-	-
16	Pennaiyar upto Krishnagini	88	88	153	-	-	-	35	35	125	-	-	-	98	41	-	20	20	-	-	-	-
	<b>Total</b>	<b>4035</b>	<b>4035</b>	<b>7385</b>	<b>360</b>	<b>360</b>	<b>1829</b>	<b>2333</b>	<b>2333</b>	<b>7092</b>	<b>1076</b>	<b>1076</b>	<b>3994</b>	<b>531</b>	<b>217</b>	<b>75</b>	<b>260</b>	<b>280</b>	<b>155</b>	<b>155</b>	<b>155</b>	<b>155</b>

Activity	Sub Basin Name	Target	Achmt	Impact
IPT for Thornless Bamboo in Varaghanadhi Sub basin	Agniya	25	25	-
	Ambuliyar	25	25	50
Intercropping of Cocoa in Coconut	Agniya	300	300	-
	Ambuliyar	50	50	100

### Yearly Progress Report for Phase III (2010 - 11) I year

(Area in Ha)

Sl. No.	Sub Basin	SRI + Green Manure + RF Pulses			SRI + RF Pulses			Pulses			Others			Precision Farming			Integrated Nutrient Mgmt			Quality Seed Production	
		Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Imp	Tar	Ach	Tar	Ach	
1	Araniyar	170	170	100	692	692	100	1012	1012	200	150	-	20	-	-	20	-	-	-	-	
2	Kosathalaiyar	130	130	-	499	499	-	859	859	-	120	-	15	6	-	20	-	-	-	-	
3	Nallavur	12	12	45	44	44	200	126	126	395	70	450	5	-	-	20	20	-	-	-	
4	Ongur	29	29	145	124	124	543	320	320	1203	75	650	20	5	-	20	20	15	15	15	
5	Vembar	-	-	-	-	-	-	15	15	75	-	-	-	-	-	20	20	10	10	10	
6	Kambainallur	3	3	15	12	12	35	68	68	85	30	-	35	35	-	-	-	-	-	-	
7	Pambanar Varattar	5	5	2	14	14	11	24	24	15	25	-	10	-	-	5	5	-	-	-	
8	Gadilam	12	12	12	40	40	100	102	102	137	-	-	25	-	-	20	20	-	-	-	
9	Pambar to Tirukoilur	10	10	35	35	35	120	70	70	210	-	-	20	-	-	-	-	-	-	-	
10	Thurinjalur	9	9	45	31	31	155	75	75	250	-	-	20	-	-	20	20	15	15	15	
11	Gomukinadhi	13	13	-	50	50	-	118	118	-	50	50	27	-	-	-	-	-	-	-	
12	Kanal Odai	-	-	-	68	68	-	83	83	75	10	-	-	-	-	10	10	-	-	-	
13	Palar	-	-	-	-	-	-	15	15	-	67	67	-	-	-	10	10	10	10	10	
14	Lower Gundar	-	-	-	-	-	-	35	35	25	126	126	5	-	-	10	10	30	30	30	
15	Deviar	25	25	80	54	54	170	104	104	250	25	25	10	-	-	5	5	-	-	-	

### Yearly Progress Report for Phase III (2010 - 11) I year

(Area in Ha)

	16	17	18	19	20	21	22	23	24	25	Total	9	9	45	36	36	65	57	57	170	915	915	1140	267	73	0	225	185	150	150
Nageriyar				9	9	9	9	9	9	9	524	524	524	579	2089	2089	1659	3750	3750	3405	915	915	1140	267	73	0	225	185	150	
Sevalaperiyar		7	5	7	35	36	36	120	58	58	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vaipar Main River		5	5	5	5	17	17	-	62	62	80	28	28	30	-	-	-	-	-	-	-	30	-	-	-	-	10	10	10	10
Hanumanadhi		6	6	6	-	25	25	-	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	5	5	-	-
Uthirakosamangaiyar		2	2	2	-	8	8	-	20	20	-	122	122	-	-	-	-	-	-	-	-	-	-	-	-	10	10	20	20	
Korampallam Aru		4	4	4	-	16	16	-	30	30	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	10	10
Theniar		3	3	3	-	9	9	-	52	52	-	-	-	-	-	-	-	-	-	-	-	-	-	20	18	-	20	20	30	30
Girdhamal		39	39	39	-	166	166	-	205	205	-	-	-	-	-	-	-	-	-	-	-	-	-	10	9	-	-	-	-	-
Karumeniar		22	22	22	-	81	81	-	123	123	-	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uppodai		9	9	9	15	32	32	40	56	56	80	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		524	524	524	579	2089	2089	1659	3750	3750	3405	915	915	1140	267	73	0	225	185	150	150	150	150	150	150	150	150	150	150	150

Activity	Sub Basin Name	Target	Achmt	Impact
Semidry Rice	Vembar	20	20	-
	Palar	20	20	-
	Lower Gundar	70	70	50
	Uthirakosamangaiyar	100	100	-

Activity	Sub Basin	Target	Achmt	Impact
Semidry Rice + RF Pulses	Palar	10	10	-
	Lower Gundar	30	30	20





## Financial Progress upto 30th April 2011

(Rupees in Lakhs)

Year	Budget	Expenditure upto 30.04.2011	Balance	% of achievement
<b>(A) I Phase</b>				
<b>2007 - 08</b>	974.26	974.26	0	100
<b>2008 - 09</b>	977.41	777.82	199.59	79.58
<b>2009 - 10</b>	911.71	386.4	525.31	42.38
<b>2010-11</b>	327.38	246.24	81.14	75.22
<b>(B) II Phase</b>				
<b>2008 - 09</b>	483.34	449.21	34.13	92.94
<b>2009 - 10</b>	510.73	212.15	298.58	41.54
<b>2010 - 11</b>	131.68	103.32	28.36	78.46
<b>(c) III Phase</b>				
<b>2009 - 10</b>	877.41	509.67	367.74	58.09
<b>2010 - 11</b>	820.5	0	820.5	0.00
<b>Total</b>	<b>6014.42</b>	<b>3659.07</b>	<b>2355.35</b>	<b>60.84</b>



## YIELD DATA (2010-11)

### 1. System of Rice Intensification

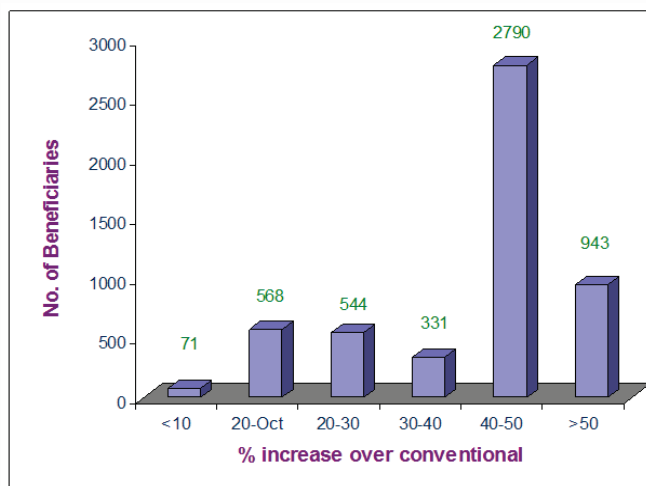
Sub-basin	SRI (kg ha <sup>-1</sup> )	Conventional (kg ha <sup>-1</sup> )	% increase over Conventional
Varaghanadhi	6914	5212	32.7
Upper Vellar	7116	4698	51.5
South Vellar	7593	4856	56.4
Pambar	8579	5279	62.5
Manimuthar	5141	4331	18.7
Kottakaraiyar	5444	4690	16.1
Arjunanadhi	6307	4919	28.2
PAP-Aliyar	5940	4689	26.7
Pennaiyar	8130	4700	73.0
Agniyar	5714	4073	40.3
Ambuliyar	5866	4603	27.4
Anaivari Odai	7860	6640	18.4
Chinnar	6425	5596	14.8
Swethanadhi	9032	4667	93.5
Kalingalar	7040	5477	28.5
Nichabanadhi	9442	7364	28.2
Therkar	6300	5700	10.5
Upper Gundar	6165	5214	18.2
Senkottayar	6350	5375	18.1
Poiney	7883	4817	63.6
Koundinyanadhi	8137	5472	48.7
Total/Mean	7369	5419	36.0

During 2010-11 SRI was demonstrated in an area of 3983 ha for the benefit of 5247 farmers. The performance of SRI showed increment in rice yield to the tune of 36 per cent over conventional practice. The overall average yield recorded under SRI was 7369 kg/ha and conventional practice was 5419 kg/ha. Nichabanadhi sub basin registered the highest SRI yield of about



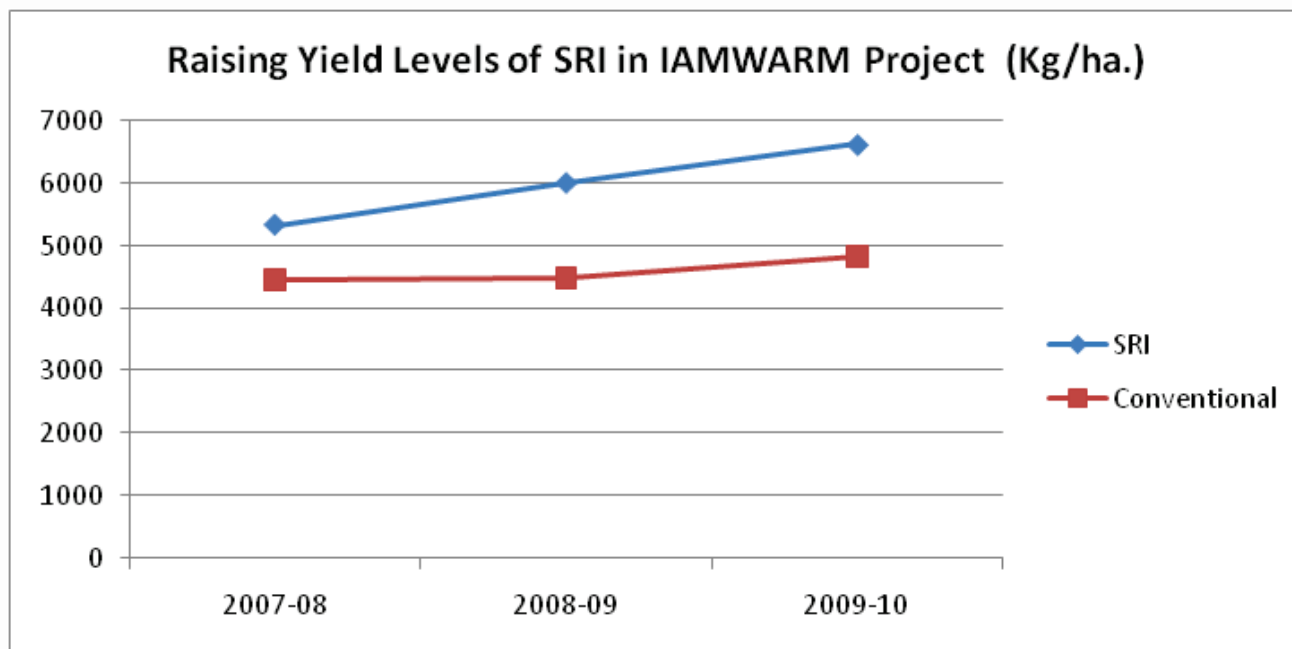


9442 kg/ha followed by Swethanadhi (9032 kg/ha) sub basin under SRI. A wide variation (10.5 to 93.5%) in yield increase due to SRI over conventional was found for different subbasins. The highest percentage increase was recorded in Swethanadhi sub basin (93.5) and the lowest percentage increase was found in Therkar sub basin (10.5).



**Beneficiaries wise analysis (SRI)**

Beneficiaries wise analysis of yield increase over conventional yield indicated that majority of the beneficiaries (2790) realized increase in yield about 40-50 per cent followed by more than 50 per cent in 943 beneficiaries. About 568, 544 and 331 beneficiaries realized the yield increase about 10-20, 20-30 and 30-40 percent, respectively. The small numbers of beneficiaries (71) realized less than 10 per cent yield increase.

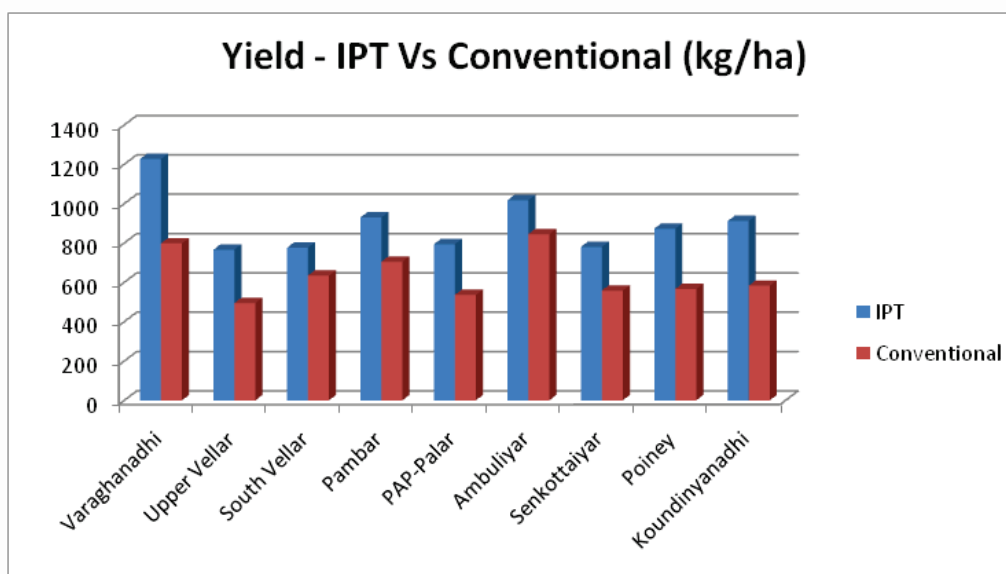




## IPT on Garden land pulses

Name of the Basin	IPT (kg/ha)	Conventional (kg/ha)	% increase over conventional
Varaghanadhi	1227	798	53.8
Upper Vellar	766	495	54.7
South Vellar	776	634	22.4
Pambar	930	705	31.9
PAP-Palar	794	536	48.1
Ambuliyar	1017	845	20.4
Senkottaiyar	780	558	39.8
Poiney	873	566	54.2
Koundinyanadhi	912	583	56.4
<b>Total/Mean</b>	<b>897</b>	<b>636</b>	<b>41.2</b>

Demonstrations on Improved Production Technologies in pulses have resulted in 41 percent yield increase (mean yield) over the conventional method of pulses cultivation. The average yield of IPT Demonstrations was 897 kg/ha. Highest yield increase was observed in Upper Vellar sub basin where nearly 55 percent yield enhancement was recorded.





**HORTICULTURE  
DEPARTMENT**



## HORTICULTURE DEPARTMENT

### Phase I - Physical and Financial Progress - 2010-11

SI. No.	Sub-basin	Crops (Ha.)																	
		Fruits		Vegetables		Flowers		Spices		Medicinal		Plantation		Total					
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach		
1	Varahanadhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2	Upper Vellar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3	South Vellar	0	0	90	110	0	0	30	25	0	0	20	0	140	135	0	0		
4	Pambar	0	0	15	135	0	0	20	0	0	0	100	0	135	135	0	0		
5	Manimuthar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6	Kottakaraiyar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	Arjunanadhi	82	82	34	34	17	17	45	45	18	18	0	0	196	196	0	0		
8	Aliyar	25	40	30	55	0	0	0	30	0	0	63	0	118	125	0	0		
9	Palar (CBE & Erode)	20	65	995	755	0	0	50	50	0	0	0	0	1065	870	0	0		
	IAMWARM Cell																		
	<b>Total</b>	<b>127</b>	<b>187</b>	<b>1164</b>	<b>1089</b>	<b>17</b>	<b>17</b>	<b>145</b>	<b>150</b>	<b>18</b>	<b>18</b>	<b>183</b>	<b>0</b>	<b>1654</b>	<b>1461</b>	<b>0</b>	<b>1654</b>		

**Phase I - Physical and Financial Progress - 2010-11**

Sl. No.	Sub-basin	Other Items										2 <sup>nd</sup> year Maintenance						Expenditure (Rs. In Lakhs)
		Mulching (Ha.)		Plastic Trays (Nos.)		Fruits		Plantation Crops		Total		Tar	Ach	Tar	Ach			
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach							
																Tar	Ach	
1	Varahanadhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	
2	Upper Vellar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	
3	South Vellar	0	0	0	0	0	0	150	0	0	0	150	0	0	0	150	30.660	
4	Pambar	0	0	0	0	0	0	25	0	0	0	25	0	0	0	25	22.700	
5	Manimuthar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	
6	Kottakaraiyar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	
7	Arjunanadhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38.760	
8	Aliyar	0	0	0	0	0	0	0	0	0	0	0	297	0	297	0	34.140	
9	Palar (CBE & Erode)	0	0	0	0	0	0	68	0	0	0	68	0	16	84	0	144.960	
	IAMWARM Cell																12.640	
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>243</b>	<b>0</b>	<b>313</b>	<b>0</b>	<b>556</b>	<b>283.860</b>	

**Phase I - Cumulative Physical and Financial Progress up to 2010-11**

Sl. No.	Sub-basin	Crops (Ha.)																	
		Fruits		Vegetables		Flowers		Spices		Medicinal		Plantation		Total					
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach				
1	Varahanadhi	415	320	1021	1014	142	145	72	59	0	0	250	360	1900	1898				
2	Upper Vellar	49	49	755	770	0	0	250	250	30	0	20	40	1104	1109				
3	South Vellar	300	325	890	910	0	0	230	225	0	0	420	300	1840	1760				
4	Pambar	395	365	790	1050	0	0	230	175	0	0	600	400	2015	1990				
5	Manimuthar	250	228	587	602	0	0	545	520	0	0	0	0	1382	1350				
6	Kottakaraiyar	290	290	675	750	0	0	1105	1005	0	0	0	0	2070	2045				
7	Arjunanadhi	424	424	715	715	49	49	465	465	656	656	0	0	2309	2309				
8	Aliyar	455	442	190	215	0	0	60	128	0	0	753	690	1458	1475				
9	Palar (CBE & Erode)	450	469	2870	2616	0	0	270	235	0	0	75	85	3665	3405				
	IAMWARM Cell																		
	<b>Total</b>	<b>3028</b>	<b>2912</b>	<b>8493</b>	<b>8642</b>	<b>191</b>	<b>194</b>	<b>3227</b>	<b>3062</b>	<b>686</b>	<b>656</b>	<b>2118</b>	<b>1875</b>	<b>17743</b>	<b>17341</b>				

**Phase I - Physical and Financial Progress - 2010-11**

Sl. No.	Sub-basin	2 <sup>nd</sup> year Maintenance												Expenditure (Rs. In Lakhs)		
		Other Items						Fruits							Total	
		Mulching (Ha.)		Plastic Trays (Nos.)		Fruits		Plantation Crops		Total		Tar	Ach			
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach					
1	Varahanadhi	0	0	0	0	155	165	0	0	155	165	155	165	285.163		
2	Upper Vellar	0	0	0	0	0	0	0	20	20	20	20	20	155.840		
3	South Vellar	0	0	0	0	200	350	0	0	200	350	200	350	255.644		
4	Pambar	0	0	0	0	200	225	0	0	200	225	200	225	263.944		
5	Manimuthar	0	0	0	0	145	95	0	0	145	95	145	95	194.400		
6	Kottakaraiyar	0	0	0	0	185	137	0	0	185	137	185	137	281.743		
7	Arjunanadhi	0	0	0	0	115	115	0	0	115	115	115	115	319.048		
8	Aliyar	0	0	0	0	0	0	607	904	607	904	607	904	209.391		
9	Palar (CBE & Erode)	0	0	0	0	160	207	50	78	160	207	210	285	528.921		
	IAMWARM Cell													38.213		
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1160</b>	<b>1294</b>	<b>677</b>	<b>1002</b>	<b>1837</b>	<b>2296</b>	<b>1837</b>	<b>2296</b>	<b>2532.307</b>		

## Phase II - Physical and Financial Progress (2010-11)

Sl. No.	Sub-basin	Crops (Ha.)																	
		Fruits		Vegetables		Flowers		Spices		Medicinal		Plantation		Total					
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach				
1	Swethanadhi	10	103	103	0	0	0	0	0	0	0	0	0	0	113	113			
2	Agniyar	117	50	130	235	0	0	10	40	0	0	155	150	412	475				
3	Ambuliyar	50	50	40	55	0	0	20	25	0	0	50	50	160	180				
4	Senkottaiyar	0	0	15	15	0	0	20	20	0	0	0	0	35	35				
5	Sindapalli Uppodai	5	5	5	5	0	0	15	15	5	0	0	0	30	25				
6	Chinnar	26	26	15	15	0	0	20	20	0	0	0	0	61	61				
7	Anaivariodai	0	0	21	21	0	0	0	0	0	0	0	0	21	21				
8	Varattar Nagalar	0	0	38	38	0	0	0	0	0	0	0	0	38	38				
9	Upper Vaigai	10	10	8	8	0	0	0	0	0	0	0	0	18	18				
10	Nishabanadhi	40	0	61	128	0	0	0	0	0	0	0	0	101	128				
11	Kalingalar	20	0	25	58	0	0	0	0	0	0	0	0	45	58				
12	Upper Gundar	15	0	130	174	14	0	5	10	0	0	0	0	164	184				
13	Therkar	55	0	135	199	0	0	0	0	0	0	0	0	190	199				
14	Poiney	60	0	200	252	0	0	22	53	0	0	0	0	282	305				
15	Koundinyanadhi	0	6.7	90	76	0	0	0	0	0	0	0	0	90	82.7				
16	Penniyar	40	40	70	70	0	0	0	0	0	0	0	0	110	110				
	<b>Total</b>	<b>448</b>	<b>198</b>	<b>1086</b>	<b>1452</b>	<b>14</b>	<b>0</b>	<b>112</b>	<b>183</b>	<b>5</b>	<b>0</b>	<b>205</b>	<b>200</b>	<b>1870</b>	<b>2033</b>				

## Phase II - Physical and Financial Progress (2010-11)

Sl. No.	Sub-basin	2 <sup>nd</sup> year Maintenance												Expenditure (Rs. In Lakhs)		
		Other Items						Plantation Crops							Total	
		Mulching (Ha.)		Plastic Trays (Nos.)		Fruits		Plantation Crops		Total		Total				
Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach			
1	Swethanadhi	0	0	0	0	0	0	0	0	0	0	0	0	0	19.410	
2	Agniyar	0	0	0	0	87	110	150	0	237	110	0	237	110	68.710	
3	Ambuliyar	0	0	0	0	0	0	30	0	30	0	0	30	0	28.470	
4	Senkottaiyar	0	0	0	0	0	0	0	0	0	0	0	0	0	4.740	
5	Sindapalli Uppodai	0	0	0	0	5	5	0	0	5	0	0	5	5	3.770	
6	Chinnar	0	0	0	0	23	23	0	0	23	0	0	23	23	11.560	
7	Anaivariodai	0	0	0	0	0	0	0	0	0	0	0	0	0	3.200	
8	Varattar Nagalar	0	0	0	0	0	0	0	0	0	0	0	0	0	5.750	
9	Upper Vaigai	0	0	0	0	0	0	0	0	0	0	0	0	0	5.350	
10	Nishabanadhi	0	0	0	0	0	0	0	0	0	0	0	0	0	19.590	
11	Kalingalar	0	0	0	0	0	0	0	0	0	0	0	0	0	8.940	
12	Upper Gundar	0	0	0	0	0	0	0	0	0	0	0	0	0	28.780	
13	Therkar	0	0	0	0	0	0	0	0	0	0	0	0	0	31.320	
14	Poiney	0	0	0	0	35	0	0	0	35	0	0	35	0	45.730	
15	Koundinyanadhi	0	0	0	0	0	0	0	0	0	0	0	0	0	13.810	
16	Penniyar	0	0	0	0	0	0	0	0	0	0	0	0	0	24.580	
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>138</b>	<b>180</b>	<b>0</b>	<b>330</b>	<b>0</b>	<b>138</b>	<b>330</b>	<b>138</b>	<b>323.710</b>	



**Phase II - Cumulative Physical and Financial Progress up to 2010-11**

Sl. No.	Sub-basin	Crops (Ha.)																	
		Fruits		Vegetables		Flowers		Spices		Medicinal		Plantation		Total					
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach				
1	Swethanadhi	54	50	353	319	0	0	0	0	0	0	0	0	0	0	0	0	407	369
2	Agniya	423	317	398	451	0	0	37	67	0	0	511	475	1369	1310				
3	Ambuliya	150	115	160	148	0	0	70	65	0	0	150	130	530	458				
4	Senkottaiya	10	9.54	40	40	0	0	53	43	0	0	0	0	103	92.54				
5	Sindapalli Uppodai	15	15	20	20	0	0	50	35	25	20	0	0	110	90				
6	Chinnar	100	100	50	50	0	0	80	80	0	0	0	0	230	230				
7	Anaivariodai	0	0	70	70	0	0	0	0	0	0	0	0	70	70				
8	Varattar Nagalar	0	0	123	108	0	0	0	0	0	0	0	0	123	108				
9	Upper Vaigai	30	30	28	28	0	0	0	0	0	0	0	0	58	58				
10	Nishabanadhi	120	30	193	292	0	0	0	0	0	0	0	0	313	322				
11	Kalingalar	60	20	90	135	0	0	0	0	0	0	0	0	150	155				
12	Upper Gundar	60	25	425	519	56	32	15	20	0	0	0	0	556	596				
13	Therka	175	65	455	583	0	0	0	0	0	0	0	0	630	648				
14	Poinea	200	70	680	798	20	10	74	140	0	0	0	0	974	1018				
15	Koundinyanadhi	30	21.7	307	318	0	0	0	0	0	0	0	0	337	339.7				
16	Penniya	120	120	215	215	80	60	0	0	0	0	0	0	415	395				
	<b>Total</b>	<b>1547</b>	<b>988</b>	<b>3607</b>	<b>4094</b>	<b>156</b>	<b>102</b>	<b>379</b>	<b>450</b>	<b>25</b>	<b>20</b>	<b>661</b>	<b>605</b>	<b>6375</b>	<b>6259</b>				

**Phase II - Cumulative Physical and Financial Progress up to 2010-11**

SI. No.	Sub-basin	Other Items												2 <sup>nd</sup> year Maintenance						Expenditure (Rs. In Lakhs)
		Mulching (Ha.)			Plastic Trays (Nos.)			Fruits			Plantation Crops			Total						
		Tar	Ach		Tar	Ach		Tar	Ach		Tar	Ach		Tar	Ach					
1	Swethanadhi	0	0	0	0	0	0	5	0	0	0	0	0	0	5	0	68.480			
2	Agniyar	0	0	0	0	0	174	197	300	0	0	0	0	474	197	168.222				
3	Ambuliyar	0	0	0	0	0	0	0	60	0	0	0	60	0	0	73.687				
4	Senkottaiyar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.550				
5	Sindapalli Uppodai	0	0	0	0	0	10	10	0	0	0	0	10	10	10	12.484				
6	Chinnar	0	0	0	0	0	23	46	0	0	0	0	23	46	0	34.523				
7	Anaivariodai	0	0	0	0	0	23	0	0	0	0	0	23	0	0	10.295				
8	Varattar Nagalar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.088				
9	Upper Vaigai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.628				
10	Nishabanadhi	0	0	0	0	0	20	0	0	0	0	0	20	0	0	64.028				
11	Kalingalar	0	0	0	0	0	40	0	0	0	0	0	40	0	0	30.770				
12	Upper Gundar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96.533				
13	Therkar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99.833				
14	Poiney	0	0	0	0	0	70	35	0	0	0	0	70	35	0	160.133				
15	Koundinyanadhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56.890				
16	Penniyar	0	0	0	0	0	20	0	0	0	0	0	20	0	0	72.499				
	<b>Total</b>	0	0	0	0	0	385	288	360	0	0	0	745	288	0	997.643				

**Phase III - Physical and Financial Progress (2010-11)**

SI. No.	Sub-basin	Crops (Ha.)															
		Fruits		Vegetables		Flowers		Spices		Medicinal		Plantation		Total			
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach		
1	Pambanar Varattar	7	7	20	20	0	0	4	4	0	0	0	0	0	0	31	31
2	Thurinjar	14	14	99	99	2	2	20	20	0	0	30	30	165	165	165	165
3	Gomukhinadhi	9	14	67	59	0	0	33	33	0	3	0	2	109	111	111	111
4	Kanal Odai	1	0	82	82	2	2	93	93	20	20	0	0	198	197	197	197
5	Uthiragosamangai	0	0	49	40	0	0	175	164	0	0	0	0	224	204	204	204
6	Palar	0	0	22	22	0	0	85	85	0	0	0	0	107	107	107	107
7	Lower Gundar	0	0	45	45	0	0	235	235	25	25	0	0	305	305	305	305
8	Deviar	25	60	198	163	20	20	72	72	0	0	0	0	315	315	315	315
9	Hanumanadhi	195	205	38	28	22	22	0	0	0	0	60	60	315	315	315	315
10	Salikulamaru	0	0	6	6	0	0	8	8	0	0	0	0	14	14	14	14
11	Nallavur	10	10	11	11	0	0	0	0	0	0	192	192	213	213	213	213
12	Markandanadhi	10	7	6	9	2	2	0	0	0	0	0	0	18	18	18	18
13	Kambainallur	7	7	13	13	1	1	10	10	0	0	0	0	31	31	31	31
14	Kovilar	3	3	6	6	0	0	5	5	0	0	0	0	14	14	14	14
15	Vallampatti	0	0	0	0	0	0	10	10	20	20	0	0	30	30	30	30

**Phase III - Physical and Financial Progress (2010-11)**

<b>16</b>	<b>Korampallamaru</b>	<b>50</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>50</b>
<b>17</b>	Theniar	11	13	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	41	43
<b>18</b>	Vaippar	0	0	20	20	0	0	45	45	10	23	0	0	0	0	0	0	0	75	88
<b>19</b>	Uppathur	0	0	2	2	0	0	12	12	0	0	0	0	0	0	0	0	0	14	14
<b>20</b>	Vembar	0	0	0	0	0	0	65	65	0	0	0	0	0	0	0	0	0	65	65
<b>21</b>	Ongur	36	0	518	275	17	0	43	14	0	0	0	0	40	0	0	0	0	654	289
<b>22</b>	Gadilam	53	53	115	95	9	8	19	19	0	0	0	0	31	31	0	0	0	227	206
<b>23</b>	Araniar	130	0	330	221	80	0	60	3	0	0	0	0	0	0	0	0	0	600	224
<b>24</b>	Nagariar	0	0	63	63	0	0	20	20	0	0	0	0	0	0	0	0	0	83	83
<b>25</b>	Sevalaperiyar	8	0	45	45	0	0	20	20	0	0	0	0	0	0	0	0	0	73	65
<b>26</b>	Thirukoilur	11	11	47	47	0	0	9	9	0	0	0	0	6	6	0	0	0	73	73
<b>27</b>	Kosasthalaiyar	37	52	731	353	20	0	125	87	0	0	0	0	0	0	0	0	0	913	492
<b>28</b>	Girdhamal	4	4	211	211	0	0	265	265	100	100	0	0	0	0	0	0	0	580	580
<b>29</b>	Uppodai	10	25	88	73	0	0	15	15	0	0	0	0	0	0	0	0	0	113	113
<b>30</b>	Karumeniar	50	60	53	43	0	0	10	10	0	0	0	0	90	90	0	0	0	203	203
	<b>Total</b>	<b>681</b>	<b>595</b>	<b>2915</b>	<b>2081</b>	<b>175</b>	<b>57</b>	<b>1458</b>	<b>1323</b>	<b>175</b>	<b>191</b>	<b>449</b>	<b>411</b>	<b>5853</b>	<b>4658</b>					

**Phase III - Physical and Financial Progress (2010-11)**

Sl. No.	Sub-basin	Other Items						2 <sup>nd</sup> year Maintenance						Expenditure (Rs. In Lakhs)
		Mulching (Ha.)		Plastic Trays (Nos.)		Fruits		Plantation Crops		Total				
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach			
1	Pambanar Varattar	2	1	120	120	0	0	0	0	0	0	0	0	3.870
2	Thurinjar	18	18	175	107	0	0	0	0	0	0	0	0	27.550
3	Gomukhinadhi	12	0	96	0	0	0	0	0	0	0	0	0	16.530
4	Kanal Odai	17	0	935	0	0	0	0	0	0	0	0	0	25.090
5	Uthiragosamangai	23	0	1120	1020	0	0	0	0	0	0	0	0	25.050
6	Palar	10	0	535	533	0	0	0	0	0	0	0	0	13.000
7	Lower Gundar	30	0	1525	1525	0	0	0	0	0	0	0	0	35.760
8	Deviar	31	0	315	773	0	0	0	0	0	0	0	0	60.960
9	Hanumanadhi	15	0	250	1253	0	0	0	0	0	0	0	0	35.210
10	Salikulamaru	1	1	70	70	0	0	0	0	0	0	0	0	2.410
11	Nallavur	4	0	9	0	0	0	0	0	0	0	0	0	14.700
12	Markandanadhi	0	0	0	0	0	0	0	0	0	0	0	0	3.600
13	Kambainallur	3	3	70	213	0	0	0	0	0	0	0	0	5.190
14	Kovilar	2	2	32	80	0	0	0	0	0	0	0	0	2.200
15	Vallampatti	3	0	150	0	0	0	0	0	0	0	0	0	2.260



**Phase III - Physical and Financial Progress (2010-11)**

<b>16</b>	<b>Korampallamaru</b>	<b>5</b>	<b>5</b>	<b>250</b>	<b>250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13.660</b>
<b>17</b>	Theniar	6	6	39	193	0	0	0	0	0	0	0	0	0	0	0	0	8.680
<b>18</b>	Vaippar	7	5	375	375	0	0	0	0	0	0	0	0	0	0	0	0	10.930
<b>19</b>	Uppathur	1	1	70	70	0	0	0	0	0	0	0	0	0	0	0	0	2.470
<b>20</b>	Vembar	6	6	325	325	0	0	0	0	0	0	0	0	0	0	0	0	9.500
<b>21</b>	Ongur	70	0	2700	0	0	0	0	0	0	0	0	0	0	0	0	0	42.570
<b>22</b>	Gadilam	23	23	181	753	0	0	0	0	0	0	0	0	0	0	0	0	31.770
<b>23</b>	Araniar	60	50	3000	2240	0	0	0	0	0	0	0	0	0	0	0	0	41.560
<b>24</b>	Nagarlar	8	0	415	0	0	0	0	0	0	0	0	0	0	0	0	0	12.120
<b>25</b>	Sevalaperiyar	7	0	365	0	0	0	0	0	0	0	0	0	0	0	0	0	9.500
<b>26</b>	Thirukoilur	7	0	70	0	0	0	0	0	0	0	0	0	0	0	0	0	10.350
<b>27</b>	Kosasthalaiyar	92	74	4565	4473	0	0	0	0	0	0	0	0	0	0	0	0	83.420
<b>28</b>	Girdhamal	30	0	2900	2767	0	0	0	0	0	0	0	0	0	0	0	0	80.380
<b>29</b>	Uppodai	12	12	96	480	0	0	0	0	0	0	0	0	0	0	0	0	21.830
<b>30</b>	Karumeniar	10	10	110	553	0	0	0	0	0	0	0	0	0	0	0	0	23.610
	<b>Total</b>	<b>515</b>	<b>217</b>	<b>20863</b>	<b>18173</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>675.730</b>

**Phase I, II & III Consolidated Physical and Financial Progress Up to 2010-11**

Sl. No.	Sub-basin	Crops (Ha.)														Total	
		Fruits		Vegetables		Flowers		Spices		Medicinal		Plantation		Total			
		Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach		
1	Phase I	3028	2912	8493	8642	191	194	3227	3062	686	656	2118	1875	17743	17341		
2	Phase II	1547	988	3607	4094	156	102	379	450	25	20	661	605	6375	6259.2		
3	Phase III	681	595	2915	2081	175	57	1458	1323	175	191	449	411	5853	4658		
	<b>Total</b>	<b>5256</b>	<b>4495</b>	<b>15015</b>	<b>14817</b>	<b>522</b>	<b>353</b>	<b>5064</b>	<b>4835</b>	<b>886</b>	<b>867</b>	<b>3228</b>	<b>2891</b>	<b>29971</b>	<b>28258</b>		

**Phase I, II & III Consolidated Physical and Financial Progress Up to 2010-11**

Sl. No.	Sub-basin	2 <sup>nd</sup> year Maintenance														Expenditure (Rs. In Lakhs)	
		Other Items				Fruits				Plantation Crops				Total		Total	
		Mulching (Ha.)		Plastic Trays (Nos.)		Fruits		Plantation Crops		Total		Total		Total			
Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach	Tar	Ach		
1	Phase I	0	0	0	0	1160	1294	677	1002	1837	2296	2532.307					
2	Phase II	0	0	0	0	385	288	360	0	745	288	997.643					
3	Phase III	515	217	20863	18173	0	0	0	0	0	0	675.730					
	<b>Total</b>	<b>515</b>	<b>217</b>	<b>20863</b>	<b>18173</b>	<b>1545</b>	<b>1582</b>	<b>1037</b>	<b>1002</b>	<b>2582</b>	<b>2584</b>	<b>4205.680</b>					

## Sustainability of Area

Sl. No.	Crops	Phase I				Phase II				Phase III				Grand Total Sustained
		Sustained as on Mar 2010	Area in 2009-10	Sustained as on Mar 2011	Total Sustained	Sustained as on Mar 2010	Area in 2009-10	Sustained as on Mar 2011	Total Sustained	Sustained as on Mar 2010	Area in 2010-11	Sustained as on Mar 2011	Total Sustained	
1	Fruits	350	233	45	395	207	312	200	407	0	595	305	305	1107
2	Vegetables	422	1572	1240	1662	505	1430	700	1205	0	2081	86	86	2953
3	Flowers	380	12	0	380	22	40	2	24	0	57	0	0	404
4	Spices	174	550	60	234	155	135	40	195	0	1323	0	0	429
5	Medicinal Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Plantation Crops	40	210	100	140	0	225	225	225	0	411	0	0	365
	<b>Total</b>	<b>1366</b>	<b>2577</b>	<b>1445</b>	<b>2811</b>	<b>889</b>	<b>2142</b>	<b>1167</b>	<b>2056</b>	<b>0</b>	<b>4467</b>	<b>391</b>	<b>391</b>	<b>5258</b>

## Impact Area

Sl. No.	Crops	Phase I			Phase II			Phase III			Grand Total
		Impact as on Mar 2010	Impact as on Mar 2011	Total	Impact as on Mar 2010	Impact as on Mar 2011	Total	Impact as on Mar 2010	Impact as on Mar 2011	Total	
1	Fruits	0	0	0	0	0	0	0	0	0	0
2	Vegetables	0	0	0	0	453	453	0	0	0	453
3	Flowers	0	0	0	0	15	15	0	0	0	15
4	Spices	0	0	0	0	6	6	0	0	0	6
5	Medicinal Plants	0	0	0	0	0	0	0	0	0	0
6	Plantation Crops	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>474</b>	<b>474</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>474</b>





# **AGRICULTURAL ENGINEERING DEPARTMENT**

## AGRICULTURAL ENGINEERING DEPARTMENT

### Physical and Financial Progress during 2010-11 in Phase I, II & III

(Rs. In Lakhs)

S No		District	Sub basin	Achievement for 2010-11												Total			
				MIS		Farm pond		WHS		Buried pipe line		Fencing work for solar drier		Farm machinery			IEC		
				Phy in Ha	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin		
1	Pudukottai	Pambar		40.44	4.66	20	9.95				4.20					0	0.00	0.41	19.22
2	Pudukottai	South Vellar		101.33	10.10	30	14.89									0	0.00	0.40	25.39
3	Salem	Upper Vellar		546.43	100.26	0	0.00									0	0.00		100.26
4	Villupuram & Tiruvannamalai	Varaganadhi		582.38	114.49	30	13.48									0	0.00	0.36	128.33
5	Sivagangai	Kottakaraiyar		291.06	59.56	16	7.94					6	1.69		4	6.54	0.05		75.78
6	Sivagangai	Manimuthar		345.56	55.33	11	5.48								0	0.00	0.40		61.21
7	Virudhunagar	Arjuna nadhi		69.40	8.27	6	2.57								0	0.00			10.84
8	Coimbatore & Tiruppur	Palar		2308.53	314.67	22	9.89	11	44.57		3.05				6	7.01	7.36		386.55
9	Coimbatore	Aliyar		518.42	66.00	0	0.00	2	7.88						0	0.00	0.25		74.13
		<b>Phase I</b>		<b>4803.53</b>	<b>733.33</b>	<b>135</b>	<b>64.20</b>	<b>13</b>	<b>52.45</b>		<b>7.25</b>	<b>6</b>	<b>1.69</b>		<b>10</b>	<b>13.55</b>	<b>9.23</b>		<b>881.70</b>



## Physical and Financial Progress during 2010-11 in Phase I, II & III

(Rs. In Lakhs)

S No	District	Sub basin	Achievement for 2010-11														
			MIS		Farm pond		WHS		Buried pipe line		Fencing work for solar drier		Farm machinery		IEC	Total	
			Phy in Ha	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin			
10	Thanjavur	Agniar	175.17	48.38	40	19.99								0	0.00	0.60	68.97
11	Thanjavur	Ambuliyar	212.22	36.65	40	19.99								0	0.00	0.59	57.23
12	Vellore	Koundanyanadhi	153.04	16.80	0	0.00								0	0.00	0.40	17.20
13	Vellore	Poiney	199.44	25.06	0	0.00								0	0.00	0.73	25.79
14	Salem	Swethanadhi	225.40	38.32	0	0.00								0	0.00	0.00	38.32
15	Krishnagiri	Pennaiyar	115.16	25.05	0	0.00								0	0.00	0.38	25.43
16	Perambalur	Chinnar	43.12	7.09	0	0.00								0	0.00	0.03	7.12
17	Perambalur	Anavari Odai	7.00	1.51	0	0.00								0	0.00	0.00	1.51
18	Madurai	Upper Gundar	55.37	14.26	0	0.00								0	0.00	0.17	14.43
19	Madurai	Therkar	46.54	10.20	0	0.00								0	0.00	0.13	10.33
20	Theni	Upper Vaigai	74.67	21.06	0	0.00								0	0.00	0.00	21.06
21	Theni	Varattar Nagalar	51.19	17.79	0	0.00								0	0.00	0.00	17.79
22	Virudhunagar	Singottaiyar	25.62	3.05	0	0.00								0	0.00	0.00	3.05
23	Virudhunagar	Sindapalli Uppodai	0.00	0.00	0	0.00								0	0.00	0.00	0.00
24	Tirunelveli	Kalingalar	31.52	9.29	10	4.98								0	0.00	0.41	14.68
25	Tirunelveli	Nichabanadhi	36.45	12.82	10	4.93								0	0.00	0.41	18.16
	<b>Phase II</b>		<b>1451.90</b>	<b>287.33</b>	<b>100</b>	<b>49.89</b>								<b>0.00</b>	<b>0.00</b>	<b>3.85</b>	<b>341.07</b>

### Physical and Financial Progress during 2010-11 in Phase I, II & III

(Rs. In Lakhs)

S No	District	Sub basin	Achievement for 2010-11													
			MIS		Farm pond		WHS		Buried pipe line		Fencing work for solar drier		Farm machinery		IEC	Total
			Phy in Ha	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin	Phy in No	Fin		
26	Tiruvallur	Aranjar	96.34	17.97	20	9.84							14	18.43	1.39	47.63
27	Tiruvallur & Vellore	Kosasthalayar	149.06	27.12	15	7.18							19	22.94	2.37	59.61
28	Villupuram	Nallavur	181.49	24.19	16	7.19							8	11.12	1.07	43.57
29	Kanchipuram, Tiruvannamalai & Villuppuram	Ongur	323.01	42.87	31	13.92							15	14.90	2.67	74.36
30	Krishnagiri	Markandanadhi	33.21	7.01									2	2.01		9.02
31	Dharmapuri	Pullampadi / Kambainallur	169.33	40.31	10	4.47							6	5.24	1.38	51.40
32	Dharmapuri	Kovilar	32.00	5.73	4	1.82							1	1.39	0.30	9.24
33	Villupuram & Cuddalore	Gadilam	50.40	17.37	50	22.45							13	15.90	2.32	58.04
34	Villuppuram	Pambar to Thirukovilar	30.40	4.63	20	9.04							3	4.17	0.97	18.81
35	Tiruvannamalai & Villuppuram	Thurinjar	71.97	6.99	30	13.53							12	15.01	2.21	37.74

### Physical and Financial Progress during 2010-11 in Phase I, II & III

(Rs. In Lakhs)

36	Cuddalore & Villupuram	Gomukhinadhi	93.06	18.51	15	6.74								10	13.79	0.65	39.69
37	Ramanathapuram	Uthirakosamanaiyalar	23.38	4.13	31	14.78								13	7.17	0.48	26.56
38	Ramanathapuram	Girdhamal	36.52	6.63	36	17.52								12	13.06	0.48	37.69
39	Virudhunagar & Sivagangai	Deviyar	26.54	6.78	19	9.37								1	1.39	0.38	17.92
40	Virudhunagar	Sevalaperiyar / Mudangiar	3.00	0.43	5	2.43								1	1.39	0.03	4.28
41	Thoothukkudi & Virudhunagar	Vaippar Main River	2.00	0.20	10	4.60								2	3.12	0.02	7.94
42	Thoothukkudi	Uppodai	5.36	0.83										2	3.12	0.08	4.03
43	Tirunelveli	Hanumanathi	24.00	3.58	30	14.94								4	6.24	0.47	25.23
44	Thoothukkudi & Tirunelveli	Karumeniyar	42.41	8.82	10	4.71								5	6.08	0.69	20.30
45	Theni	Theniar	204.52	41.09	10	4.50								9	9.83	3.52	58.94
	<b>Phase III</b>		<b>1597.98</b>	<b>285.18</b>	<b>362</b>	<b>169.03</b>								<b>152</b>	<b>176.30</b>	<b>21.48</b>	<b>651.99</b>
	<b>Total Phase I, II &amp; III</b>		<b>7853.40</b>	<b>1305.84</b>	<b>597</b>	<b>284.81</b>	<b>13</b>	<b>52.45</b>	<b>0</b>	<b>7.25</b>	<b>6</b>	<b>1.69</b>	<b>162</b>	<b>189.85</b>	<b>34.56</b>	<b>1874.76</b>	
	Headquarters															7.66	7.66
	<b>Grand Total</b>		<b>7853.40</b>	<b>1305.84</b>	<b>597</b>	<b>284.81</b>	<b>13</b>	<b>52.45</b>	<b>0</b>	<b>7.25</b>	<b>6</b>	<b>1.69</b>	<b>162</b>	<b>189.85</b>	<b>42.22</b>	<b>1882.42</b>	

### Analysis of AED progress upto March 2010 since inception & during 2010-11 upto March 2011 - Physical

(Rs. In Lakhs)

S.No.	Component	Upto March 2010 since inception		%	During 2010-11		%	Cumulative Total		%
		Tar.	Ach.		Tar.	Ach.		Tar.	Ach.	
1	Micro irrigation (in Ha.)	24257.67	5475.21	23	24607.45	7853.40	32	29703.00	13328.61	45
2	Farm Ponds (in Nos)	1504	1088	72	815	597	73	1893	1685	89
3	Farm machinery (in Nos)	1265	632	50	473	162	34	1482	794	54
4	Water Harvesting Structures (in Nos)	120	11	9	78	13	17	120	24	20
5	Buried pipeline systems (in Packages)	20	8	40	4	0	0	23	8	35

### Analysis of AED progress upto March 2010 since inception & during 2010-11 upto March 2011 – Financial

(Rs. In Lakhs)

S.No	Component	Upto March 2010 since inception		%	During 2010-11		%	Cumulative Total		%
		Tar.	Ach.		Tar.	Ach.		Tar.	Ach.	
1	Micro Irrigation	3389.31	551.57	16	3546.13	1305.84	37	4415.87	1857.41	42
2	Farm pond	701.24	471.67	67	399.72	284.81	71	882.96	756.48	86
3	Farm machinery	834.36	550.05	66	579.80	189.85	33	1130.56	739.90	65
4	Water harvesting structures	274.00	29.23	11	244.77	52.45	21	274.00	81.68	30
5	Buried pipeline systems	110.27	73.72	67	68.20	7.25	11	216.78	80.97	37
6	IEC	228.15	194.68	85	88.81	42.22	48	240.83	236.90	98
	Total	5537.33	1870.92	34	4927.43	1882.42	38	7161.00	3753.34	52



# AGRICULTURE MARKETING DEPARTMENT



## AGRICULTURAL MARKETING

Sl. No.	Particulars	Target (Nos.)	Achievement (Nos.)	%
1	<b>Creation of Infrastructure</b> ie. ABC, Storage sheds, Drying yards etc.	371	258	69.5
2	<b>Procurement of goods</b> ie. Tarpaulin, Dunnage, Moisture meter, Weighing scale etc.	3572	3280	91.8
3	<b>IEC &amp; CB activities</b> ie. Training, Interface workshops & Exposure Visits	733	670	91.4
4	<b>Commodity Groups</b> (Maize, Pulses, Banana, Groundnut etc)	-	1108	-
5	<b>Memorandum of Understanding (MoU)</b>	-	677	-
6	<b>Quantity of turn over (MT)</b>		86552	<b>Value of Produce Transacted</b>
7	<b>Farmers benefited (Nos.)</b>		31415	<b>Rs.116.88 Crores</b>

**Physical Progress Details about Status of  
Civil Works for Phase II during 2010-11**

Sl. No.	Name of the Sub-Basin	Description of the works	Name of the Village	Status of the work
1.	Chinnar (Perambalur District)	Storage Shed - 1 No.	Keelapuliur	Tenders accepted. Agreement to be signed.
		Drying Yard - 2 Nos.	Keelapuliur Neikuppai	
2.	Agniyar (Pudukottai District)	Collection Centre - 1 No.	Poovanur	Tenders accepted. Work to be started.
		Drying Yards - 5 Nos.	Sokkanathapuram	
			Chinna Avudaiyarkoil	
			Ponnavayal	
			Poovanam	
Neyveli thenbathi				
3.	Upper Vaigai (Theni District)	Drying Yard - 1 No.	Kandamanoor	Agency decided, work to be started
4.	Upper Gundar (Madurai District)	Collection Centre - 1 No.	Kudichery	Agency decided, work to be started
		Drying Yard - 1 No.	Allikundam	
5.	Therkar (Madurai District)	Collection Centre - 2 Nos.	Thumbakulam	Tenders accepted. Agreement to be signed.
			Poochampatti.	
6.	Nichabanadhi (Tirunelveli District)	Collection Centre - 1 No.	Panaiyur	Agency decided, work to be started
7.	Koundanyanadhi (Vellore District)	Collection Centre - 1 No.	Vanjur	Agency decided, work to be started
8.	Poiney (Vellore District)	Collection Centre - 1 No.	Vailam padi	Tenders accepted. Agreement to be signed.
		Storage Shed - 1 No.	Cheyur	

## Physical Progress Details about Status of Civil Works for Phase III during 2010-11

Sl. No.	Name of the Sub-Basin	Description of the works	Name of the Village	Status of the work
1.	Araniyar (Tiruvallur District)	Collection Centre - 1 No.	Chinnambedu	DRO inspection completed
		Drying Yard - 4 Nos.	Thervazhi	
			Kanchivoyal	
			Kakkavakkam	
2.	Deviar (Tirunelveli & Virudhunagar District)	Storage Shed - 1 No.	Chinnambedu	
			Thervazhi	
			Kanchivoyal	
3.	Gadilam (Cuddalore & Villupuram District)	Drying Yards - 2 Nos.	Vishvanathaperi Part II	Proposal submitted to Collectorate Kalam poramboke
			Solaicheri	
			Semakottai	Enter upon completed
			Aaloor	
4.	Gomukinadhi (Villupuram District)	Drying Yard - 3 Nos.	Kiliyur	
			Then Keeranur	Enter upon completed
			Then Keeranur	
5.	Girdhamal (Madurai, Sivagangai & Sivagangai District)	Storage Shed - 1 No.	Avaniyapuram	Proposal submitted to Collectorate Kalam poramboke
			Viradhanoor	Gift settlement in progress
		Drying Yard - 5 Nos.	Piramanur	Proposal submitted to Tahsildar
			Mangudi	Proposal submitted to Tahsildar
			Kattanur	Enter upon completed
			Nallur	Enter upon completed
6.	Hanumanadhi (Tirunelveli District)	Storage Shed - 1 No.	AADhithanenthal	Enter upon completed
			Thenku Vallioor	Proposal submitted to Tahsildar S No 2107 Natham
		Collection Centre - 1 No.	Parivirisoorian	Proposal submitted to Tahsildar Kalam
			Veppilankulam	Proposal submitted to Tahsildar S No 1207
7.	Karumeniar (Dharmapuri District)	Drying Yard - 2 Nos.	Palacode	Resolution obtained from RMC
			Murukampatti	Gift settlement obtained
			Unnamkulam	Enter upon completed
8.	Karumeniar (Tirunelveli District)	Drying Yard - 2 Nos.	<b>Munanji patti</b>	Gift Settlement obtained

## Physical Progress Details about Status of Civil Works for Phase III during 2010-11

	Kosasthalaiyar (Tiruvallur & Vellore District)	Collection Centre - 1 No.	Periya kilampakkam	Proposal submitted to collectorate
9.		Storage Shed - 1 No.	Palaveedu	Proposal submitted to collectorate
		Collection Centre - 1 No.	Keeveethi	Proposal submitted to collectorate
		Drying Yard - 2 Nos.	Retivalam	Gift settlement obtained
			Keeveethi	Enter upon completed
		Storage Shed - 2 Nos.	Siruvalayam	Gift Settlement obtained
			Kovindacheri	Enter upon completed
10.	<b>Kanalodai</b> (Virudhunagar District)	Storage Shed - 1 No.	Maraikulam	Gift settlement in progress
		Drying Yard - 2 Nos.	Maraikulam	Gift settlement obtained
			Nallatharai	Enter upon completed
11.	<b>Lower Gundar</b> (Ramanathapuram District)	Drying Yard - 2 Nos.	Veppankulam	Enter upon completed
			Kadamangalam	Kalamporamboke
		Storage Shed - 1 No.	Kovilangulam	
12.	<b>Nagariar</b> (Virudhunagar District)	Drying Yard - 1 No.	Vadaku Devadhanam	Proposal submitted to RDO
		ABC - 1 No.	Kolathur	Proposal submitted to RDO
13.	<b>Ongur</b> (Kancheepuram, Tiruvannamalai & Villupuram District)	Drying Yard - 3 Nos.	Dimmavaram	Proposal submitted to Tahsildar
			Polambakkam	Proposal submitted to Tahsildar
			Perumberkandigai	Proposal submitted to Tahsildar
		ABC - 1 No.	Nallur	Gift settlement in progress
		Drying Yard - 1 No.	Avanipur	Proposal submitted to collectorate
14.	<b>Palar (MDU)</b> (Ramanathapuram District)	Drying Yard - 1 No.	Peikulam	Kalamporamboke
15.	<b>Pambanar varattar</b> (Tiruvannamalai District)	Drying Yard - 1 No.	Rettiyar palayam	Gift settlement obtained
16.	<b>Pambar to Tirukoilur</b> (Villupuram District)	Drying Yard - 1 No.	Pakkam	Enter upon completed
17.	<b>Sevalaperiyar</b> (Virudhunagar District)	Drying Yard - 1 No.	Vadaku Venganallur	Enter upon completed
18.	<b>Theniyar</b> (Theni District)	Drying Yard - 1 No.	Badhrakalipuram	Completed
		Collection Centre - 1 No.	Uppukottai	Roof slab laid
19.	<b>Thurinjalur</b> (Tiruvannamalai District)	Drying Yard - 1 No.	Tiruvannamalai	Work to be started
20.	<b>Uthirakosamangaiyar</b> (Ramanathapuram District)	ABC - 1 No.	Mela ayakudi	Earth work in progress



## Abstract of Commodity Group Formation and Memorandum of Understanding

Sl. No.	Year	Phase	Commodity Group (CG)	Memorandum of Understanding (MoU)
1	2007-08	I	250	20
2	2008-09	II	172	207
3	2009-10	I & II	120	229
4	2010-11	I, II & III	566	221
Total			<b>1108</b>	<b>677</b>

**Details about Formation of Commodity Groups  
functioning in sub-Basins wise (2010-11)**

Sl. No	Name of the Sub-Basin		Details of Commodity Groups formed
	Phase I	Phase II	
1	Varahanadhi		17 (Paddy – 1, G. Nut – 10, Chillies – 1, Bhendi – 2, Brinjal – 1, Others – 2)
2	South Vellar		12 (Maize – 5, Pulses – 6, Others – 1)
3	Manimuthar		35 (Paddy – 9, Maize – 5, Pulses – 2, G. Nut – 17, Vegetables – 2)
4	Kottakaraiyar		35 (G. Nut – 20, Chillies – 13, Brinjal – 2)
5	Arjunanadhi		3 (Maize – 3)
6	Aliyar		14 (Maize – 4, Copra – 6, Vegetables – 4)
7	Palar		22 (Maize – 3, Copra – 4, Vegetables – 8, Others – 7)
	Phase I Total		138
8	Poiney		18 (Pulses – 2, G. Nut – 10, Vegetables – 6)
9	Swethanadhi		35 (Paddy – 2, Maize – 28, Turmeric – 5)
10	Upper Vaigai		28 (Paddy – 3, Maize – 16, Copra – 6, Tapioca – 1, Others – 2)
11	Upper Gundar		5 (Maize – 2, Pulses – 3)
12	Therkar		8 (Pulses – 7, Gingelly – 1)
13	Nichabanadhi		50 (Paddy – 17, Maize – 12, Pulses – 4, Sun Flower – 2, Cotton – 13, Fruits – 2)
14	Kalingalar		56 (Paddy – 17, Maize – 6, Pulses – 7, Sunflower – 7, Cotton – 19)
15	Senkottaiyar		1 (Chillies - 1)
	Phase II Total		201
16	Phase III	Araniyar	11 (Paddy – 1, Pulses – 3, Tapioca – 3, Vegetables – 2, Others – 2)



**Details about Formation of Commodity Groups  
functioning in sub-Basins wise (2010-11)**

17	Kosasthalaiyar	19	(Paddy – 4, Maize – 1, G. Nut – 4, Tapioca – 2, Vegetables – 4, Fruits – 1, Others – 3)
18	Nallavur	27	(Paddy – 12, Maize – 2, Pulses – 6, G. Nut – 5, Vegetables – 2)
19	Ongur	20	(Maize – 4, Pulses – 6, G. Nut – 8, Vegetables – 2)
20	Kambainallur	12	(Gingelly – 3, Turmeric – 2, Tomato – 2, Others – 5)
21	Pambanar Varattar	9	(Maize – 2, Pulses – 3, Gingelly – 3, G. Nut – 1)
22	Gadilam	15	(Maize – 4, Pulses – 2, Gingelly – 5, G. Nut – 4)
23	Pambar to Tirukoilur	21	(Paddy – 5, Maize – 6, Gingelly – 3, G. Nut – 5, Tapioca – 1, Others – 1)
24	Thurinjalur	7	(Gingelly – 3, G. Nut – 3, Banana – 1)
25	Phase III Gomukinadhi	17	(Maize – 11, Gingelly – 5, G. Nut – 1)
26	Girdhamal	6	(Paddy – 2, Cotton – 4)
27	Lower Gundar	2	(Cotton – 2)
28	Deviyar	17	(Paddy – 11, Maize – 2, Cotton – 4)
29	Nagariyar	2	(Maize – 2)
30	Sevalaperiyar	2	(Maize – 2)
31	Vaippar (Main River)	3	(Maize – 3)
32	Uppodai	9	(Paddy – 9)
33	Hanumanadhi	18	(Paddy – 8, Vegetables – 3, Banana – 4, Flowers – 3)
34	Karumeniyar	10	(Paddy – 10)
	Phase III Total	227	
	Grand (Phase I & II) Total	566	

## Number of memorandum of understanding (mou) signed- 2010-11

Sl. No	Name of the Sub-Basin		Details of Memorandum of Understanding (MoU) Signed	
1	Phase I	South Vellar	4	(Maize – 3, Others – 1)
2		Manimuthar	3	(Maize – 2, G. Nut – 1)
3		Kottakaraiyar	19	(G. Nut – 12, Chillies – 7)
4		Aliyar	12	(Maize – 4, Copra – 6, Vegetables – 2)
5		Palar	15	(Maize – 3, Copra – 4, Vegetables – 1, Others – 7)
	Phase I Total		53	
6	Phase II	Swethanadhi	21	(Paddy – 1, Maize – 18, Turmeric – 2)
7		Upper Vaigai	16	(Maize – 16)
8		Upper Gundar	2	(Maize – 1, Pulses – 1)
9		Therkar	2	(Pulses – 1, Gingelly – 1)
10		Nichabanadhi	37	(Paddy – 9, Maize – 6, Pulses – 4, Sunflower – 2, Cotton – 14, Fruits – 2)
11		Kalingalar	55	(Paddy – 16, Maize – 6, Pulses – 7, Sunflower – 7, Cotton – 19)
	Phase II Total		133	
12	Phase III	Kambainallur	10	(Gingelly – 3, Turmeric – 2, Others – 5)
13		Girdhamal	4	(Chillies – 4)
14		Deviyar	4	(Paddy – 1, Cotton – 3)
15		Uppodai	4	(Paddy – 4)
16		Hanumanadhi	9	(Paddy – 3, Vegetables – 3, Flowers – 3)
17		Karumeniyar	4	(Paddy – 4)
	Phase III Total		35	
	Grand (Phase I & II) Total		221	





**ANIMAL HUSBANDRY  
DEPARTMENT**

## ANIMAL HUSBANDRY DEPARTMENT II

### ABSTRACT FOR PHASE I, II & III

Sl. No.	Phase	Est. of Sub basin Vet. Unit		AI Work		Fodder Cultivation (Ha)		Infert. Camp (Nos)		Deworming of Sheep & Goats		Farmers Interactive Meeting (Nos)		Farmers Training (Nos.)	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
1	Phase I (2007-08)		27	150000	21368	770	770	600	600	0	0	800	800	3600	3600
2	Phase I (2008-09)		37	150000	255378	1505	1505	600	600	438000	438000	418	418	3600	3600
3	Phase I (2009-10)	50	36	165000	175368	2327	2317	600	600	0	0	243	243	3600	3600
4	Phase I (2010-11)		29	183000	193443	2066	2076	600	600	0	0	243	243	3600	3600
5	Phase II (2008-09)		15	40500	40504	393	393	180	180	0	0	272	272	2625	2625
6	Phase II (2009-10)	15	9	45000	44681	221	221	180	180	473500	473500	272	272	2625	2625
7	Phase II (2010-11)		12	49815	49815	0	0	180	180	0	0	0	0	2625	2625
8	Phase III (2010-11)		3	48050	43652	934	914	902	902	455000	455000	716	716	9350	9350
	<b>Cumulative Total</b>	<b>70</b>	<b>44</b>	<b>831365</b>	<b>824209</b>	<b>8216</b>	<b>8196</b>	<b>3842</b>	<b>3842</b>	<b>1366500</b>	<b>1366500</b>	<b>2964</b>	<b>2964</b>	<b>31625</b>	<b>31625</b>



**PHASE I - (2010-11)**

Sl. No.	Sub-Basins	Est. of Sub-Basin Vet. Unit		Artificial Insemination (in Nos.)		Fodder Development (In Ha.)		Infertility Camps (In Nos.)		Deworming of Sheep & Goats (In Nos.)		Farmers Interactive Meetings (In Nos.)		Farmers Training (In Nos.)	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
	<b>Phase I</b>														
1	Varahanadhi	11	4	43560	42638	115	115	132	132	0	0	60	60	400	400
2	Upper Vellar	10	9	36600	33754	0	0	120	120	0	0	11	11	400	400
3	South Vellar	4	1	14640	14640	0	0	48	48	0	0	22	22	400	400
4	Palar (PAP)	10	7	36600	36600	1125	1125	120	120	0	0	60	60	400	400
5	Aliyar (PAP)	2	1	7320	7320	0	0	24	24	0	0	8	8	400	400
6	Pambar	3	2	14390	14390	210	210	36	36	0	0	13	13	400	400
7	Arjunanadhi	3	3	13188	15351	355	355	36	36	0	0	24	24	400	400
8	Manimuthar	4	2	17770	17770	160	160	48	48	0	0	30	30	400	400
9	Kottakaraiyar	3	0	10980	10980	111	111	36	36	0	0	15	15	400	400
	IAMWARM Cell					0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>50</b>	<b>29</b>	<b>195048</b>	<b>193443</b>	<b>2076</b>	<b>2076</b>	<b>600</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>243</b>	<b>243</b>	<b>3600</b>	<b>3600</b>

**PHASE II - (2010-11)**

Sl. No.	Sub-Basins	Est. of Sub-Basin Vet. Unit		Artificial Insemination (in Nos.)		Fodder Development (In Ha.)		Infertility Camps (In Nos.)		Deworming of Sheep & Goats (In Nos.)		Farmers Interactive Meetings (In Nos.)		Farmers Training (In Nos.)	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
	<b>Phase II</b>														
1	Agniyar	1	1	3300	3300	0	0	12	12	0	0	0	0	200	200
2	Ambuliyar	1	1	3300	3300	0	0	12	12	0	0	0	0	200	200
3	Anaivariodai	1	1	3300	3300	0	0	12	12	0	0	0	0	200	200
4	Chinnar	1	1	3300	3300	0	0	12	12	0	0	0	0	200	200
5	Kalingalar	1	1	3300	3300	0	0	12	12	0	0	0	0	100	100
6	Koundinyanadhi	1	0	3300	3300	0	0	12	12	0	0	0	0	200	200
7	Nichabanadhi	1	0	3300	3300	0	0	12	12	0	0	0	0	200	200
8	Poiney	1	1	3300	3300	0	0	12	12	0	0	0	0	200	200
9	Pennaiyar	1	1	3300	3300	0	0	12	12	0	0	0	0	200	200
10	Sengotaiyar	1	1	3615	3615	0	0	12	12	0	0	0	0	200	200
11	Swethanadhi	1	1	3300	3300	0	0	12	12	0	0	0	0	200	200
12	Therkar	1	1	3300	3300	0	0	12	12	0	0	0	0	200	200
13	Upper Gundar	1	1	3300	3300	0	0	12	12	0	0	0	0	200	200
14	Upper Vaigai	1	1	3300	3300	0	0	12	12	0	0	0	0	75	75
15	Varratar Nagalar	1	0	3300	3300	0	0	12	12	0	0	0	0	50	50
	<b>Total</b>	<b>15</b>	<b>12</b>	<b>49815</b>	<b>49815</b>	<b>0</b>	<b>0</b>	<b>180</b>	<b>180</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2625</b>	<b>2625</b>



**PHASE III - (2010-11)**

Sl. No.	Sub-Basins	Est. of Sub-Basin Vet. Unit		Artificial Insemination (in Nos.)		Fodder Development (In Ha.)		Infertility Camps (In Nos.)		Deworming of Sheep & Goats (In Nos.)		Farmers Interactive Meetings (In Nos.)		Farmers Training (In Nos.)	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
	<b>Phase III</b>														
1	Gomukinadhi	0	0	1800	1800	55	55	72	72	20000	20000	60	60	600	600
2	Pambar	0	0	1000	1000	35	35	40	40	13000	13000	40	40	500	500
3	Nallavur	0	0	1600	1600	52	52	64	64	56000	56000	32	32	600	600
4	Kanal Odai	0	0	850	850	65	65	34	34	0	0	28	28	450	450
5	Girdhamal	0	0	1500	1500	63	63	60	60	0	0	36	36	550	550
6	Theniar	1	1	5700	5700	100	100	24	24	12000	12000	24	24	200	200
7	Hanumanadhi	1	1	5700	5700	50	50	24	24	70000	70000	16	16	400	400
8	Markandeyanadhi	0	0	600	600	13	13	24	24	10000	10000	24	24	200	200
9	Kambainallur	0	0	1200	1200	15	15	48	48	10000	10000	56	56	600	600
10	Pambar	1	0	5700	2002	30	30	24	24	5000	5000	12	12	150	150
11	Thurinjal	0	0	1500	1500	77	77	60	60	18000	18000	28	28	400	400
12	Korampallam	0	0	400	400	15	15	16	16	6000	6000	8	8	100	100
13	Karumeniyar	1	1	6500	5800	90	90	56	56	44000	44000	24	24	800	800
14	Vaippar	0	0	300	300	10	10	12	12	4000	4000	12	12	150	150
15	Uppodai	0	0	200	200	30	30	8	8	4000	4000	12	12	100	100
16	Aranar	0	0	1200	1200	8	8	48	48	35000	35000	40	40	600	600
17	Kosasthalayar	0	0	1800	1800	36	36	72	72	71000	71000	108	108	800	800
18	Uthirakosamangai	0	0	900	900	46	46	36	36	0	0	32	32	400	400
19	Ongur	0	0	2400	2400	88	88	96	96	52000	52000	56	56	750	750
20	Gadillam	1	0	7200	7200	56	56	84	84	25000	25000	68	68	1000	1000
	<b>Total</b>	<b>5</b>	<b>3</b>	<b>48050</b>	<b>43652</b>	<b>934</b>	<b>914</b>	<b>902</b>	<b>902</b>	<b>455000</b>	<b>455000</b>	<b>716</b>	<b>716</b>	<b>9350</b>	<b>9350</b>

**PHASE I (2007 - 08 to 2010 - 11) - CUMULATIVE ACHIEVEMENT**

Sl. No.	Sub-Basins	Est. of Sub-Basin Vet. Unit		AI Work		Fodder Cultivation (Ha.)		Infert. Camp (Nos.)		Deworming of Sheep & Goats		Farmers Interactive Meeting (Nos.)		Farmers Training (Nos.)	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
1	Varahanadhi	11	4	142560	141638	363	373	528	528	100000	100000	364	364	1600	1600
2	Upper Vellar	10	9	129600	126754	1590	465	480	480	80000	80000	207	158	1600	1600
3	South Vellar	4	1	44520	51840	665	665	168	192	100000	100000	174	188	1600	1600
4	Palar	10	7	129600	129600	1375	2500	480	480	120000	120000	335	384	1600	1600
5	Aliyar	2	1	33240	25920	268	268	120	96	8000	8000	76	62	1600	1600
6	Pambar	3	2	38880	39540	570	570	144	144	30000	30000	90	90	1600	1600
7	Arjunanadhi	3	3	38880	39545	736	980	144	144	0	0	151	160	1600	1600
8	Manimuthar	4	2	51840	51840	526	516	192	192	0	0	188	188	1600	1600
9	Kottakaraiyar	3	0	38880	38880	575	331	144	144	0	0	119	110	1600	1600
	<b>Total</b>	<b>50</b>	<b>29</b>	<b>648000</b>	<b>645557</b>	<b>6668</b>	<b>6668</b>	<b>2400</b>	<b>2400</b>	<b>438000</b>	<b>438000</b>	<b>1704</b>	<b>1704</b>	<b>14400</b>	<b>14400</b>

**PHASE II (2007 - 08 to 2010 - 11) - CUMULATIVE ACHIEVEMENT**

Sl. No.	Sub-Basins	Est. of Sub-Basin Vet. Unit		AI Work		Fodder Cultivation (Ha.)		Infert. Camp (Nos.)		Deworming of Sheep & Goats		Farmers Interactive Meeting (Nos.)		Farmers Training (Nos.)	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
1	Agniyar	1	1	9000	9000	50	50	36	36	40000	40000	96	96	600	600
2	Ambuliyar	1	1	9000	9000	35	35	36	36	10000	10000	40	40	600	600
3	Anaivari odai	1	1	9000	9000	10	10	36	36	12000	12000	24	24	600	600
4	Chinnar	1	1	9000	9000	35	35	36	36	18000	18000	40	40	600	600
5	Kalingalar	1	1	9000	9000	20	20	36	36	7000	7000	4	4	300	300
6	Koundinyanadhi	1	0	9000	9000	25	25	36	36	20000	20000	40	40	600	600
7	Nichabanadhi	1	0	9000	9000	85	85	36	36	90000	90000	36	36	600	600
8	Poiney	1	1	9000	9000	50	50	36	36	50000	50000	44	44	600	600
9	Ponnaiyar	1	1	9000	9000	100	100	36	36	30000	30000	32	32	600	600
10	Sengotaiyar	1	1	9315	8996	30	30	36	36	0	0	32	32	600	600
11	Swethanadhi	1	1	9000	9000	66	66	36	36	50000	50000	32	32	600	600
12	Therkar	1	1	9000	9000	50	50	36	36	80000	80000	44	44	600	600
13	Upper Gundar	1	1	9000	9000	25	25	36	36	40000	40000	28	28	600	600
14	Upper Vaigai	1	1	9000	9000	3	3	36	36	12500	12500	32	32	225	225
15	VarratarNagalar	1	0	9000	9000	30	30	36	36	14000	14000	20	20	150	150
	<b>Total</b>	<b>15</b>	<b>12</b>	<b>135315</b>	<b>134996</b>	<b>614</b>	<b>614</b>	<b>540</b>	<b>540</b>	<b>473500</b>	<b>473500</b>	<b>544</b>	<b>544</b>	<b>7875</b>	<b>7875</b>

**PHASE III (2007 - 08 to 2010 - 11) - CUMULATIVE ACHIEVEMENT**

Sl. No.	Sub-Basins	Est. of Sub-Basin Vet. Unit		AI Work		Fodder Cultivation (Ha.)		Infert. Camp (Nos.)		Deworming of Sheep & Goats		Farmers Interactive Meeting (Nos.)		Farmers Training (Nos.)	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
1	Gomukinadhi	0	0	1800	1800	55	55	72	72	20000	20000	60	60	600	600
2	Pambar	0	0	1000	1000	35	35	40	40	13000	13000	40	40	500	500
3	Nallavur	0	0	1600	1600	52	52	64	64	56000	56000	32	32	600	600
4	Kanal Odai	0	0	850	850	65	65	34	34	0	0	28	28	450	450
5	Girdhamal	0	0	1500	1500	63	63	60	60	0	0	36	36	550	550
6	Theniar	1	1	5700	5700	100	100	24	24	12000	12000	24	24	200	200
7	Hanumanadhi	1	1	5700	5700	50	50	24	24	70000	70000	16	16	400	400
8	Markandeyanadhi	0	0	600	600	13	13	24	24	10000	10000	24	24	200	200
9	Kambainallur	0	0	1200	1200	15	15	48	48	10000	10000	56	56	600	600
10	Pambanar	1	0	5700	2002	30	30	24	24	5000	5000	12	12	150	150
11	Thurinjalur	0	0	1500	1500	77	77	60	60	18000	18000	28	28	400	400
12	Korampallam	0	0	400	400	15	15	16	16	6000	6000	8	8	100	100
13	Karumeniyar	1	1	6500	5800	90	90	56	56	44000	44000	24	24	800	800
14	Vaippar	0	0	300	300	10	10	12	12	4000	4000	12	12	150	150
15	Uppodai	0	0	200	200	30	30	8	8	4000	4000	12	12	100	100
16	Araniar	0	0	1200	1200	8	8	48	48	35000	35000	40	40	600	600
17	Kosasthalayar	0	0	1800	1800	36	36	72	72	71000	71000	108	108	800	800
18	Uthirakosamangai	0	0	900	900	46	46	36	36	0	0	32	32	400	400
19	Ongur	0	0	2400	2400	88	88	96	96	52000	52000	56	56	750	750
20	Gadillam	1	0	7200	7200	56	56	84	84	25000	25000	68	68	1000	1000
	<b>Total</b>	<b>5</b>	<b>3</b>	<b>48050</b>	<b>43652</b>	<b>934</b>	<b>914</b>	<b>902</b>	<b>902</b>	<b>455000</b>	<b>455000</b>	<b>716</b>	<b>716</b>	<b>9350</b>	<b>9350</b>

**FINANCIAL PROGRESS UPTO 31.03.2011**

Rs. In Lakhs

SI. No.	Sub-Basins	2007 - 08	2008 - 09	2009 - 10	2010 - 11	Cumulative Progress upto 31.03.2011
	<b>Phase I</b>					
1	Varahanadhi	55.58	39.18	38.77	46.19	179.72
2	Upper Vellar	36.38	42.27	47.39	44.46	170.51
3	South Vellar	18.15	23.41	21.81	13.47	76.84
4	Palar	37.89	43.60	46.69	54.09	182.27
5	Aliyar	12.44	10.46	10.54	9.79	43.23
6	Pambar	12.17	13.05	15.59	15.10	55.91
7	Arjunanadhi	19.84	12.53	16.49	16.91	65.76
8	Manimuthar	26.21	31.54	30.14	57.32	145.20
9	Kottakaraiyar	14.78	11.37	13.72	12.28	52.15
10	IAMWARM Cell	5.46	1.89	2.66	2.36	12.37
	<b>Total</b>	<b>238.91</b>	<b>229.30</b>	<b>243.80</b>	<b>271.96</b>	<b>983.97</b>
	<b>Phase II</b>					
1	Agniyar	0.00	9.59	9.19	6.21	24.99
2	Ambuliyar	0.00	6.72	6.77	4.45	17.94
3	Anaivariodai	0.00	6.16	5.11	4.68	15.94
4	Chinnar	0.00	8.25	6.14	4.85	19.24
5	Kalingalar	0.00	4.80	4.19	4.65	13.64
6	Koundinyanadhi	0.00	8.59	6.61	4.24	19.44
7	Nichabanadhi	0.00	12.67	9.50	4.41	26.58
8	Poiney	0.00	11.66	7.36	5.40	24.42
9	Pennaiyar upto Krishnagiri	0.00	11.21	7.68	5.55	24.43
10	Senkottaiyar	0.00	5.39	5.20	4.22	14.82
11	Swethanadhi	0.00	10.18	7.45	5.42	23.05
12	Therkkar	0.00	10.25	7.40	5.24	22.89
13	Upper Gundar	0.00	7.49	5.84	4.93	18.25
14	Upper Vaigai	0.00	5.25	4.42	3.09	12.77
15	Varratar Nagalar	0.00	5.89	4.79	2.60	13.28

**FINANCIAL PROGRESS UPTO 31.03.2011**

Rs. In Lakhs

	<b>Total</b>	<b>0.00</b>	<b>124.10</b>	<b>97.62</b>	<b>69.94</b>	<b>291.67</b>
	<b>Phase III</b>					
1	Gomukinadhi	0.00	0.00	6.40	12.98	19.38
2	Pambar	0.00	0.00	4.20	8.28	12.48
3	Nallavur	0.00	0.00	6.95	11.76	18.71
4	Kanal Odai	0.00	0.00	1.83	6.64	8.47
5	Girdhamal	0.00	0.00	6.15	8.58	14.73
6	Theniar	0.00	0.00	2.97	6.39	9.36
7	Hanumanadhi	0.00	0.00	5.74	7.66	13.39
8	Markandeyanadhi	0.00	0.00	0.77	4.60	5.37
9	Kambainallur	0.00	0.00	4.22	8.63	12.85
10	Pambanar	0.00	0.00	4.07	5.06	9.12
11	Thurinjalur	0.00	0.00	2.75	10.19	12.94
12	Korampallam	0.00	0.00	2.09	2.03	4.12
13	Karumeniyar	0.00	0.00	6.97	12.07	19.04
14	Vaippar	0.00	0.00	1.07	2.41	3.48
15	Uppodai	0.00	0.00	1.25	1.79	3.04
16	Araniar	0.00	0.00	5.39	8.12	13.51
17	Kosasthalayar	0.00	0.00	8.84	14.86	23.70
18	Uthirakosamangai	0.00	0.00	4.03	7.08	11.11
19	Ongur	0.00	0.00	8.54	15.33	23.87
20	Gadillam	0.00	0.00	8.32	15.80	24.12
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>92.55</b>	<b>170.25</b>	<b>262.80</b>
	<b>Grand Total</b>	<b>238.91</b>	<b>353.40</b>	<b>433.97</b>	<b>512.16</b>	<b>1538.44</b>





**FISHERIES  
DEPARTMENT**

## FISHERIES DEPARTMENT

### COMPONENT WISE ACHIEVEMENT

Sl. No.	Component	2007-08 to 2010-11		2010-11		Cumulative		
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	%
1	Aquaculture in farm Ponds	519	454	395	105	914	559	61
2	Fish Seed Bank	12	12	0	0	12	12	100
3	Fish Seed rearing in cages	74	74	36	36	110	110	100
4	Improvements to Government Fish Seed Farm	4	4	0	0	4	4	100
5	Aquaculture in Irrigation Tanks	2942	2277	4060	1512	7002	3789	54
6	Ornamental Fish culture	18	11	26	5	44	16	36
7	Fishing implement	125	125	149	149	274	274	100
8	Fish Kiosk	8	8	14	14	22	22	100
9	Cage Farming	0	0	1	0	1	0	0
10	Earthen Seed Bank	0	0	3	0	3	0	0

**SUB BASINWISE PROGRESS UPTO MARCH 2011**

Sl. No.	Sub-basins	Aquaculture in Farm Ponds		Fish seed Bank		Fish seed rearing in cages		Aquaculture in Irrigation Tank		Improvements to Govt. farms		Ornamental Fish culture		Fishing Implement		Fish Kiosk	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
	<b>Phase I</b>																
1	Varahanadhi	38	38	2	2	12	12	0	0	1	1	0	0	10	10	2	2
2	Upper Vellar	51	51	1	1	5	5	0	0	0	0	0	0	5	5	0	0
3	South Vellar	30	30	2	2	10	10	0	0	0	0	0	0	10	10	0	0
4	Palar (PAP)	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0	0
5	Aliyar (PAP)	1	1	0	0	0	0	0	0	0	0	2	2	0	0	0	0
6	Pambar	40	40	1	1	10	10	0	0	0	0	0	0	10	10	0	0
7	Arjunanadhi	30	19	1	1	0	0	0	0	1	1	0	0	15	15	0	0
8	Manimuthar	60	57	1	1	10	10	0	0	0	0	5	5	10	10	0	0
9	Kottakaraiyar	50	50	2	2	10	10	0	0	0	0	0	0	10	10	0	0
	IAMWARM Cell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>302</b>	<b>288</b>	<b>10</b>	<b>10</b>	<b>57</b>	<b>57</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>9</b>	<b>9</b>	<b>70</b>	<b>70</b>	<b>2</b>	<b>2</b>

**SUB BASINWISE PROGRESS UPTO MARCH 2011**

Sl. No.	Sub-basins	Aquaculture in Farm Ponds		Fish seed Bank		Fish seed rearing in cages		Aquaculture in Irrigation Tank		Improvements to Govt. farms		Ornamental Fish culture		Fishing Implement		Fish Kiosk	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
	<b>Phase II</b>																
1	Agniyar	70	64	0	0	0	0	0	0	1	1	0	0	5	5	0	0
2	Ambuliyar	30	30	1	1	5	5	0	0	0	0	0	0	5	5	0	0
3	Anaivari odai	6	6	0	0	0	0	220	220	0	0	0	0	2	2	0	0
4	Chinnar	9	9	0	0	0	0	525	525	0	0	0	0	2	2	1	1
5	Kalingalar	3	3	0	0	0	0	180	130	0	0	0	0	0	0	0	0
6	Koundinyanadhi	18	18	0	0	2	2	0	0	1	1	0	0	7	7	2	2
7	Nichabanadhi	6	6	0	0	0	0	350	241	0	0	0	0	0	0	0	0
8	Poiney	20	20	0	0	10	10	0	0	0	0	1	1	14	14	1	1
9	Pennaiyar	15	15	1	1	0	0	0	0	0	0	0	0	5	5	1	1
10	Sengotaiyar	5	5	0	0	0	0	163	163	0	0	0	0	2	2	0	0
11	Sindapalli	2	2	0	0	0	0	70	70	0	0	0	0	1	1	0	0
12	Swethanadhi	18	18	0	0	0	0	158	158	0	0	0	0	3	3	1	1
13	Therkar	10	8	0	0	0	0	1000	1000	0	0	5	4	9	9	0	0
14	Upper gundar	5	4	0	0	0	0	200	200	0	0	2	1	0	0	0	0
15	Upper vaigai	0	0	0	0	0	0	51	51	0	0	1	1	0	0	0	0
16	Varratar nagalar	0	0	0	0	0	0	25	25	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>217</b>	<b>208</b>	<b>2</b>	<b>2</b>	<b>17</b>	<b>17</b>	<b>2942</b>	<b>2783</b>	<b>2</b>	<b>2</b>	<b>9</b>	<b>7</b>	<b>55</b>	<b>55</b>	<b>6</b>	<b>6</b>



**SUB BASINWISE PROGRESS UPTO MARCH 2011**

Sl. No.	Sub-basins	Aquaculture in Farm Ponds		Earthern Fish seed Bank		Fish seed rearing in cages		Aquaculture in Irrigation Tank (PEN / Direct stocking)		Cage Farming		Ornamental Fish culture		Fishing Implement		Fish Kiosk	
		Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.
	<b>Phase III</b>																
1	Araniyar	20				5	5	5	300	80			4			1	1
2	Kosasthalaiyar	15		1					0				4	20	20	1	1
3	Ongur	51	12			5	5	5	730	160		4	20	20	2	2	2
4	Nallavur	16	6			2	2	2	320				5	5			
5	Pambar to Tirukoilur	20	15						200				10	10	1	1	1
6	Gadilam	54	10						550				30	30	2	2	2
7	Gomukinadhi	14	3			5	5	5	600				20	20	1	1	1
8	Thurinjalur	60	9			5	5	5	300	200			20	20	1	1	1
9	Pambanar Verattar	10	0			3	3	3	80	80			10	10	1	1	1
10	Markandanadhi	5															
11	Kambainallur	10				4	4	4			1		1	10	10	2	2
12	Kovilar	4												2	2		
13	Kanal odai	10							115	115			1				
14	Nagarier	5		1									2				
15	Sevalaperiyar	8							152	152			2	2	2	2	2
16	Vallampatti	2							51	51							
17	Deviar	20				2	2	2	134	43			3				
18	Hanumannadhi	30	8						130	125							
19	Korampallam	0							128								
20	Uthirakosamangal	6														1	1
21	Theniar	5							160				3			1	1
22	Girdhamalinadhi	20		1		5	5	5					2				
23	Karumeniyar	10							110								
	<b>Total</b>	<b>395</b>	<b>63</b>	<b>3</b>	<b>0</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>4060</b>	<b>1006</b>	<b>1</b>	<b>0</b>	<b>26</b>	<b>0</b>	<b>149</b>	<b>14</b>	<b>14</b>

**FINANCIAL ACHIEVEMENT (2007 - 08 TO 2010 - 11 UPTO MARCH 2011)**

Sl. No.	Sub-basins	DPR Amount Rs. In Lakhs	Expenditure Details (Rs. In lakhs)												Cumulative Achievement (Rs. In Lakhs)									
			2007 - 08		2008 - 09		2009 - 10		2010 - 11		2007 - 08		2008 - 09			2009 - 10		2010 - 11						
			Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.		Tar.	Ach.	Tar.	Ach.					
	<b>Phase I</b>																							
1	Varahanadhi	67.92	4.13	2.47	45.31	37.24	5.93	3.160	2.84	1.94	44.810													
2	Upper Vellar	32.07	3.59	2.02	14.55	11.48	3.25	2.480	1.01	0.96	16.940													
3	South Vellar	47.77	1.39	0.97	40.39	33.75	1.40	0.516	1.21	0.90	36.136													
4	Palar (PAP)	15.15	5.51	3.95	0.00	0.000		0.000	0.00	0.00	3.950													
5	Aliyar (PAP)	14.82	5.51	3.83	1.48	0.070		0.000	0.00	0.00	3.900													
6	Pambar	32.76	1.39	1.00	23.47	6.310	19.30	17.227	1.59	1.09	25.627													
7	Arjunanadhi	84.51	1.08	0.48	40.97	33.190	7.41	2.360	6.30	3.68	39.710													
8	Manimuthar	48.06	10.05	9.57	11.84	5.430	9.02	5.560	4.92	3.37	23.930													
9	Kottakaraiyar	51.07	1.00	0.30	13.85	5.350	6.92	3.840	1.91	0.68	10.170													
	<b>Total</b>	<b>394.13</b>	<b>33.65</b>	<b>24.59</b>	<b>191.86</b>	<b>132.82</b>	<b>53.23</b>	<b>35.143</b>	<b>19.78</b>	<b>12.62</b>	<b>205.173</b>													



**FINANCIAL ACHIEVEMENT (2007 - 08 TO 2010 - 11 UPTO MARCH 2011)**

Sl. No.	Sub-basins	DPR Amount Rs. In Lakhs	Expenditure Details (Rs. In lakhs)										Cumulative Achievement (Rs. In Lakhs)	
			2007 - 08		2008 - 09		2009 - 10		2010 - 11					
			Tar.	Ach.	Tar.	Ach.	Tar.	Ach.	Tar.	Ach.				
	<b>Phase II</b>													
1	Agniyar	45.15		42.95	32.800	12.01	8.280	4.34	3.04					44.120
2	Ambuliyar	25.46		21.60	17.810	4.51	2.920	1.30	1.07					21.800
3	Anaivari odai	4.18		3.57	2.100	1.57	0.920	0.33	0.33					3.350
4	Chinnar	11.91		7.05	2.930	3.95	2.730	0.34	0.34					6.000
5	Kalingalar	3.00		2.89	0.480	2.05	0.980	1.00	0.49					1.950
6	Koundinyanadhi	64.61		53.68	53.050	2.90	0.815	3.22	2.72					56.585
7	Nichabanadhi	5.47		4.98	1.370	3.87	2.060	2.22	0.22					3.650
8	Poiney	16.63		7.63	4.90	2.61	0.246	1.30	1.16					6.306
9	Pennaiyar	24.28		18.68	16.370	2.89	2.795	0.58	0.44					19.605
10	Sengotaiyar	3.16		2.71	2.220	0.00	0.000	0.00	0.00					2.220
11	Swethanadhi	9.74		5.14	2.92	2.18	1.380	0.81	0.77					5.070
12	Therkar	26.55		23.40	6.780	15.85	0.990	14.66	7.76					15.530
13	Upper gundar	8.02		7.89	0.550	6.76	0.071	6.71	3.14					3.761
14	Upper vaigai	3.13		3.27	0.910	2.38	1.940	0.00	0.00					2.850
15	Varratar nagalar	0.48		0.47	0.450	0.00	0.000	0.00	0.00					0.450
16	Sindapalli uppodai	1.40		1.19	0.930	0.18	0.000	0.15	0.003					0.933
	<b>Total</b>	<b>253.17</b>	<b>0</b>	<b>207.1</b>	<b>146.57</b>	<b>63.71</b>	<b>26.127</b>	<b>36.96</b>	<b>21.483</b>	<b>0</b>	<b>0</b>	<b>26.127</b>	<b>36.96</b>	<b>194.180</b>





**GLIMPSES FROM THE FIELD**



## WATER RESOURCES DEPARTMENT

### Madurai Region

### Arjunanadhi Sub Basin

### (Package 1/SLICE 2)

### Sivagangai District

### Gunavanthneri Tank - Reconstruction of sluice

Gunavanthneri tank is situated in Kodikulam village of Srivilliputtur taluk of 35.1 Mcft with an ayacut of 155.30 Ha. There are four sluices in this tank. Sluice no.1,2,and 3 were in damaged condition, leaky and not performing well. Farmers found difficult in feeding water to the crops.

Works carried out (Estimate cost Rs 37.90 Lakhs)

Under the project, the three damaged sluices were reconstructed with necessary side retaining walls and replacing S.G.Plug Shutter. Leading channels with necessary wings and return wall were provided to draw water easily from the deeper portion of tank bed.

### Farmers Opinion

Farmers of Gunavanthneri tank have appreciated that the works are carried out to fulfill their requirements and said that "We have got the solution of long years problem."



BEFORE EXECUTION



AFTER EXECUTION





## **Arjunanadhi Sub Basin (Package No.3)**

### **Sivagangai District**

#### **Mathur Anicut**

**Mathur Anicut was constructed across Kalaniyar river in Watrap Block of Virudhunagar District.**

#### **Pre Project Condition:**

The existing anicut was constructed in Brick Masonry in lime mortar for body wall and abutment and R.R. Masonry for head Sluice which was in dilapilated condition. Apron also was in collapsed condition.

#### **Post Project Condition:**

Construction of anicut work was completed in 12 / 2008 with pucca head sluice arrangements.

#### **Farmers opinion:**

The farmers of this Anicut have said the opinion that “we have got the permanent solution for every year problem.



**BEFORE EXECUTION**



**AFTER EXECUTION**



## Trichy Region

### Pambar Sub Basin (Package 1)

#### Pudukottai District

#### NEDUNGUDI PICK UP ANICUT

##### BEFORE PROJECT

All the components of the anicut was found damaged. Plastering of abutments was found eroded. The scour vent, regulating structures, downstream stilling basins were found damaged. Banks of supply channel was found weaker. As a result farmers were disappointed and demanded immediate restoration of the anicut.



**BEFORE EXECUTION**

##### AFTER PROJECT

Water seepage in the scour vents portions has been arrested completely. Abutments of this anicut has been strengthened properly. Breaches across the banks of the supply channel during flood times has been arrested completely. For the first time in recent years the chain of tanks downstream have surplused and all tanks have attained their full capacity. Also, there is enough store of water in the anicut to be supplied during the summer. There has been improvements in the total cultivated area of all the tanks downstream and as a result farmers are greatly satisfied and happy over the restoration of the anicut.



**AFTER EXECUTION**





## Coimbatore Region

### Aliyar Sub Basin (Package 5)

#### Coimbatore District

### Rehabilitation of Pollachi canal from L.S. 20/000 KM to 48/000 Km and its distributories . Est. Rs. 510 Lakhs

The earthen canal in this reach was in bad shape with lot of seepage and time taken for water to reach tail end was about 36 hours. Hence in the project, this portion was lined with concrete.

After construction the water is effectively flowing into the canal without any wastage of water.

After lining the earthen canal, the duration taken for 200 to 210 cubic feet water to reach from zero point to tail end was reduced to only 17 hours.

Since the earthen canals are completely lined with concrete, the banks are protected from the heavy breaches & arrest of seepage water so that there is no loss of water and the quantum of water reaching the tail end is adequate and in time.

During the construction period the work was inspected by the WUA presidents,

TC members and other members, then and there. The farmers expressed their satisfaction and happiness.



**BEFORE EXECUTION**



**AFTER EXECUTION**



**AFTER EXECUTION**



## AGRICULTURE DEPARTMENT

### I. SRI – Crop Demonstration:

#### Success Story – 1

Mr. D. Selvakumar of Thiruvampattu village of Vallam Block is a happy Farmer these days. He



has planted White Ponni variety in Phase I in V arahanathi sub-basin of Villupuram District and obtained an yield of 10950 kg/Ha. This is 90%



more than the conventional yield of 5760 kg/Ha. This is a land mark achievement of the Project in the District.

#### Success Story – 2

Mr. V. Balasubramanian a farmer of Vasudevanallur village in Vasudevanallur Block has grown Try.1 variety in the village in Phase II in Kalingalar sub-basin. The conventional yield would be 8342 kg/Ha. and by Project efforts the yield had come to 11917kg/Ha. This would mean as much as 88% more than the usual yield which is a record achievement by any standard. This village is in Tirunelveli District



### II. Hybrid Maize Crop Demonstration:

#### Success Story – 3

Mr. O. Venkatachalam of Thligaividuthi village Thiruvonam Block is another successful Maize farmer, who has grown Samrat Hybrid variety in Phase II in Agniar sub-basin in Pudukottai District. He has obtained a yield of 8750 kg/ha. a record 67% increase over 5246 kg/ha. which he normally could have obtain by following





conventional methods. The credit to this goes to Project Agriculture Department officials,



who had helped him by providing necessary inputs and technology.

### **Success Story – 4**

Mr. M. Ganesan is a farmer living in Moovarai vendran village of Watrap Block in Phase I in Argunanadhi sub-basin. He has grown NK.6240 Hybrid Maize. By following the guidance of Project officials, he has obtained a 54% increased yield of 7720 kg/ha. as against the normal of 5018 kg/ha. by following conventional methods. This a success story by any standards and the one to be followed by everyone in Virudhunagar District.



### **III. Pulses Crop Demonstration:**

#### **Success Story – 5**

Mr. V. Kasi of Vikravandi village is a Pulses growing farmer in Phase I in Varahanadhi sub-basin in Villupuram District of Phase I. He has grown Blackgram with a variety T-9 and obtained a yield of 1375 kg/Ha. An increase of 59% over the conventional methods. He would have obtained 866 kg/ha only according to conventional methods but was able to manage this increased yield with the help of Agricultural Department Project officials. Other farmers in



the village look to this farmer for guidance in growing Blackgram.

#### **Success Story – 6**

Mr. R. Pitchai of Kulanaikerpettai village of Gandharvakottai Block in Phase II in Agniar sub-basin in Pudukottai District has grown Pulses – VBN -3 Blackgram and has obtained



a record yield of 1500 kg/ha a 52% increase over the conventional method of cropping. By the conventional method, he could have obtained only 985 kg/ha. Adaption of improved cultivation practices including usage of improved variety has helped him to achieve this increased yield.





## TAMIL NADU AGRICULTURAL UNIVERSITY

### Chillies

Precision farming is an innovative technology which helps the crops to attain its maximum yield potential and obviously, enhanced yield is reaped by the farmers. Hence, TNAU is guiding



the farmers in the sub basins to adopt precision farming in vegetables and other horticultural crops. In Koundinyanadhi sub basin, precision farming demo was conducted in chillies crop



and Mr V.Murugan has harvested 4000 kg per hectare (dry chillies) whereas, yield obtained through conventional method was only 1500 kg/ha. Adoption of precision farming has resulted in increased income to the tune of Rs.1.0 lakh per hectare.

### Banana

Similar success was observed in Banana crop. Mr P. Rangasamy of Kaliyappagoundenpudur, Thiruppur district of Palar sub basin has harvested 75 tonnes per ha in banana crop



whereas, the banana yielded only 55 tonnes per ha in the conventional method of cultivation. He also indicated that nearly 35 percent water savings was observed by switching over to precision farming. In addition to this, he has





saved 50 per cent of fertilizer cost by using the need based water soluble fertilizers. The farmer has also observed less incidence of pests and disease in his banana crop under precision farming method.

## Vegetables

Mr G.Dharmaraj, of Samiyandipudur of Palar sub basin is highly satisfied by the performance of Precision farming in Vegetables. He has raised bitter gourd and ribbed gourd in 1.31 hectares under precision farming. He has opined that the cost of cultivation under precision farming is less expensive except for the first crop which is due to layout charges for drip to an extent of 35 per cent. He was much



happy because cost of labour was very much low and the labour requirements for irrigation, plant protection and fertigation were met out by his family itself. The fertilizer was given along with irrigation water without any wastage at required time with proper supervision and it has enhanced its efficacy. In general, the vegetable crops are much prone to pest and

diseases incidence. But his crop under precision farming with controlled irrigation has checked the pest and diseases incidence to a considerable level. The yield obtained under precision farming in bitter gourd was 63.4 tonnes per ha, which was 24 percent increased over the conventional method. This has ultimately resulted in additional income to the tune of 30- 40 percent. The farmer has also observed that the vegetables grown under precision farming had higher consumer preference due to its increased size and weight which resulted in higher market price for his produce.

## Coconut

Introduction of precision farming in coconut has revolutionized the irrigation concept in coconut cultivation especially in Palar sub basin. Initially the farmers were of the mindset that the drip irrigation was meant for dryland crops only (Mr. Palanichamy, Vettaikaranpudur). The farmer has







adopted precision farming in 2.2 hectares and the farmer is getting additional income by practicing intercrops like pulses in coconut crop which was not in vogue in his field previously.

## Improved Production Technology in Garden Land Pulses

Pulses demonstration in 1.0 hectare was conducted in the field of Mr. T.Ramasamy of Padarnthapuli village of Pudur block, Vaippar sub basin. Previously, farmers do not pay much attention on plant population maintenance in pulse crops. But in the IPT demo, the scientists of TNAU explained the importance of plant population and DAP spray. Accordingly, plant population was maintained and 2 sprays of DAP were given to the pulses crop. The farmer has harvested 750 kg/ha grain and got a net income of Rs.25490 in just 75 days and on seeing the success, the farmers has decided to sustain the IPT in pulses. Besides, the farmer has now become a mouth piece for IPT on pulses in particular and IAMWARM project in general in the Vaippar sub basin.

## Touch Screen Kiosks

In the technology revolution scenario, the usage of computers among the farming community through farmers' friendly approach is need of the hour. Hence, use of ICT tools was piloted in Varahanadhi sub basin by employing touch screen kiosks. These touch screen kiosks contain a computer with touch

screen technology, internet connectivity and it was supported by scientific manpower of the University. The farmers can get information



on agronomy, pests and diseases, crop management and post harvest technologies through the TNAU agritech portal. The farmers can get the needed information in the vernacular language viz., Tamil and it has actually gave the desired impetus for the success of the pilot project. Through the DEMIC cell and Agricultural Marketing website farmers can obtain dynamic price information on major perishables on day to day basis for major markets of the State. Besides, the farmers can also access the price forecasting reports for major agricultural crops for the subsequent seasons. Access to the TNAU weather site guides the farmers to plan their agricultural activities based on the weather and its forecast. Case studies on better market price for vegetables (brinjal) to the tune of 20 per cent by routing the produce to Koyembedu market rather the local market through the usage of the touch screen kiosk was observed in Chendur village of Varahanadhi sub basin.



## Formation of Women SHG for SRI planting.

An innovative step was initiated by TNAU in Poiney sub basin – formation of Women Self Help Group for SRI planting. In Poiney sub basin, at Velam village, the SHG was formed. TNAU has given on-campus training on SRI planting with ropes and markers to the member women. Owing to these trainings, the SHG women have planted nearly 800 ha under SRI method in Poiney and Kaundinyanadhi sub

basins. The SHG women were now empowered to get an additional wage of Rs.20 per day over their normal wage rate and they express their gratitude to IAMWARM Project and TNAU.





## HORTICULTURE DEPARTMENT



### BHENDI

Thiru. C. Ponnusamy, S/o. Chella Pillai of Navallur Village, Thalaivasal Block, Salem District is an enthusiastic farmer who always comes forward to take up the suggestions and guidance of the Horticulture Department and earn good income by cultivating horticulture crops, especially vegetables.

In 2010 this farmer has cultivated Geofresh 101 HB Bhendi crop in 0.50.0 ha (Survey No. 275/4, 274/7). All the inputs required including hybrid seeds worth Rs.7500/- (Rs.15000/ha) were supplied to the farmer at free of cost under the project. The farmer has adopted all the agronomic practices and the latest crop production technologies as suggested by the local horticulture staff. The farmer has applied fertilizer as per the recommendation of the soil test result on 06.03.2010 the farmer has dibbled the bhendi seeds in ridges and furrows. The farmer has followed the INM and IPM practices under the guidance of the local horticulture staff. The first harvest started on 36th day. In about 22

pickings, the farmer got about 12.38 mt. In each picking he got about 400 kgs on an average. During each harvest the farmer has graded the produce based on size and quality and sold at different rates in the market. He sold the produce in the local market at Rs.6/kg on an average. The total expenditure incurred by the farmer was Rs.9250/- including the cost of inputs supplied under the project. The Gross income was Rs.74280/- and the net income was Rs.65030/- in 4 months. The farmer is satisfied about the guidance under the project, performance of the crop, the income etc., and wants to continue to take up bhendi crop in future seasons also, besides recommending the bhendi cultivation to the local fellow farmers. Many local farmers visited his field, especially in bearing stage and



appreciated the yield level, colour and size of the produce. At least a few among the many farmers who have visited his field may take up this crop in the ensuing seasons to come.



## TOMATO

My name is P. Thangavel. My father's name is Thiru. Palani. I hail from Balakombai village, Aundipatti Block, Varattar Nagalar sub-basin, Theni District.

Based on the suggestions and guidance given by the Horticulture Department, I have cultivated Hybrid Tomato in 0.50.0 ha in 2010 under the project (survey no. 26/2). The variety is US3140. I got all the inputs including the HB Tomato seeds worth Rs.7500/- from the Horticulture Department at free of cost under the project.

The raised bed nursery was prepared and 75 grams of seeds was used. The main field was prepared as guided by the Horticulture staff with ridges and furrows. Fertilizers were applied to the field as per the soil test result recommendation. 25 days old healthy seedlings were transplanted in the main field on 10.03.2010. I followed the INM and IPM practices as suggested and guided by the local horticulture staff then and there based on the crop condition. The first harvest

started on 17.05.2010 and got the total yield of 17.5 mt in about 18 pickings. In each picking I got about 350kgs yield on an average. The total expenditure incurred including the inputs given to me at free of cost under the project is Rs.17500/-. The gross income was Rs.52500/-. The net income was Rs.35000/- in 4 ½ months period. Earlier, I used to grow mainly maize and cumbu crops. The net profits obtained through these crops were less than 50% of the income I got in Tomato crop.

I am very much satisfied and happy about the yield and income I got through tomato crop. I have programmed to take up tomato crop cultivation again in the next season also. Many fellow farmers in my village have also seen the performance of the tomato crop in my field and they expressed their desire to take up tomato cultivation in the subsequent seasons. They







were specially attracted by the uniformity in size and colour of the fruits.

I am very much thankful both to the project and the Horticulture Department for all the assistance and guidance given to me from sowing to harvest of this crop. It is my pleasure to share my experience in tomato cultivation for the benefit of the farmers in the nearby villages and the farmers elsewhere. I will be more happy, even if very few farmers are benefited based on my experience





## AGRICULTURAL ENGINEERING DEPARTMENT

### DRIP IRRIGATION FOR VEGETABLES

Growing Vegetables in Varaganathi Sub basin has assured marketability as it is nearer to Greater Chennai. But, farmers are reluctant to go for Vegetables cultivation as they have no awareness about it. Thiru Mugunthan, S/o. of



Thiru Pandurangan hails from Konakkampattu village near Thindivanam is a small farmer having a land of 1.60 acres. With the available water, he was content with growing paddy in 0.5 acres for one season, leaving the rest of his land as fallow.



The Engineers from AED approached him and explained about switching over to high income generating vegetables coupled with Drip Irrigation. Motivated by officials, hesitant Mugundan, finally decided to go in February 2010 for 4 types of vegetables viz. Brinjal in 0.60 acres, Bhendi in 0.20 acres, Rip Gourd in 0.30 Acres and bitter Gourd in 0.35 Acres. Drip Irrigation with fertigation was installed at a total cost of Rs.58,000/- of which, his contribution was Rs.36,000/-.

Within a span of three months, he started



getting yields. The farm produces were sent to Chennai Koyembedu market. Besides, he put a stall nearby his farm and started selling the vegetables. Vegetables have earned him Rs.42,000/- and going on. Now, he has become a role model for his village and is advocating for Drip Irrigation and Vegetables.





## COST TABLE FOR VEGETABLES CULTIVATION

Description	Brinjal	Bhendi	Rip gourd	Bitter Gourd
Cultivated Area	0.60 Acre	0.20 Acre	0.30 Acre	0.35 Acre
Date of Cultivation	20.04.10	03.02.10	10.03.10	10.03.10
Total Yield	350 Kg	1500 Kg	1200 Kg	1250 Kg
Selling Price	Rs. 8-10 /Kilo	Rs. 8-10 /Kilo	Rs.10-12 /Kilo	Rs.12-15 /Kilo
<b>Total Income in 3 months</b>	Rs.2,800/-	Rs.12,000/-	Rs.12,000/-	Rs.15,000/-
Rs.41,800/- in Three months				

### Drip Irrigation – Palar sub-basin



Drip irrigation in Onion



Harvest of Onion under Drip irrigation

(i) Before TN-IAMWARM SCHEME:

Area under cultivation	2.50 Acre
Total Onion yield	12.50 M.T
@Rs.15000/mt the total Income:	Rs.1,87,500/-
Average Income per acre	Rs.75,000/-

(ii) After adopting Drip system under IAMWARM:-

Area under cultivation	5.00 Acres
Onion yield from Drip Area of 3.00 Acres	6.50 M.T/Acre
Total yield from Drip Area	19.50 M.T
Onion yield from Non-Drip Area of 2.00 Acres	5.00 M.T / Acre
Total yield from Non-Drip Area	10.00 M.T
Total yield of onion from Drip & Non-Drip Area	29.50 M.T
@Rs.15,000/M.T. total income	Rs.4,42,500/-
Average Income per Acre	Rs.88,500
Additional income per Acre	Rs.13,500/-
Percentage of Increase in income per Acre	18%



## Fish culture in farm Ponds



### FORM POND WITH FISH CULTURE

- T.Thavamaniyammal, Kandaneri, in Koundanya Nadhi sub basin
- Fish culture fetched an additional income of Rs.3800/-

## Farm Machinery distributed to WUAs



Rotavator



Paddy Transplanter

794 Machineries like Rotavator, Multi crop thresher, Maize Husker cum sheller, Seed drill, Paddy Transplanter, Post hole digger, Turmeric Harvester etc have been distributed to WUA and Rs. 5.60 Lakhs was collected as hire charges from the farmers by the WUAs.



Solar Chilli drier



Maize Husker cum Sheller





## AGRICULTURAL MARKETING DEPARTMENT

**Mrs. Malarvizhi Arumugam**  
**Ogalur village,**  
**Perambalur District, Tamil Nadu**

Mrs. Malarvizhi is a Maize farmer. She is doing farming in 3 acres of land. She says "I was growing NK 6240 variety of Maize in my land. Last year I was approached by



Marketing officers of TN-IAMWARM Project. They inspected my farm and suggested to do soil testing first. Then they trained me on how to store maize after harvesting. They also educated me on grading and favourable harvesting periods for maize. This encouraged me and my fellow farmers to form a maize commodity group. In the subsequent season they helped us in signing a memorandum of understanding (MoU) with a trader. Since then we are following all that was taught to us and do drying, grading, cleaning, and packing meticulously. We sell our produce without any middle man interference from then on. I produced 7500 kg in 3 acres and sold at a price which is atleast Rs.50 (per bag) more than any farmer in our area. There by I get a additional price of Re.0.50 per kg and earn a minimum of Rs.3750/- as additional profit. I wish all other farmers to do the same and get benefited. I also express my gratitude to Agri Marketing officers who helped me.

**Mr. Ramakrishnan**  
**Andiagoundanur Village**  
**Palar Basin**

I am growing coconut trees for past several years. I was selling my coconuts to local traders based on the local price. In this system I was giving commission to the local traders. Though I know that the commission I give is unreasonable for a farmer like me I did not have any other option. Last season I met officials from Agri Marketing Department of TN-IAMWARM Project. That was a turning point for me. Marketing officials advised me to form groups with farmers like me growing coconuts. I too took initiative and gathered a group of farmers and we used to meet once in a month. Marketing officials advised our



group to do Value addition to Coconut and sell as Copra. They also communicated the market price of copra through SMS (message to our mobile phones). We followed their instructions and started processing the coconuts to copra. Now, we sell copra in Government Procurement Centres at an additional price of Rs.8 per Kg. Hence, we get an additional profit of Rs.8 per kg. for all the copra that we are producing in our commodity groups.



**Mr. M. Poongavanam**  
**S/o. Manikkam,**  
**Aalagramam, Villupuram District**

Mr. Poongavanam of Aalagramam village is having 4 acres of land and he used to cultivate crops like Vegetables, Blackgram and Groundnut. In this village vegetables are cultivated throughout the year. This season he cultivated Bhendi. Mr. Poongavanam says "During the times of harvest, I used to suffer like other farmers without proper transportation facility. After incurring Rs.40 per bag for transportation, I used to sell the vegetables to the local traders at lower price without knowing the market price. Through TN-IAMWARM Project, Vegetable



commodity groups were formed and tie-ups were made with Mappillai Vinayagar Traders, Pondicherry. Also, a mini auto was given to our Water User Association. The auto was very useful in carrying our vegetables on time to Pondicherry at the cost of Rs.30 per bag. I incurred a sum of Rs.22,000/- for growing Bhendi and I got 6450 Kg. as yield. I sold the vegetables at the rare of Rs.11 per Kg which is one rupee higher than the local traders. Because of the Mini auto, transporting vegetables became very easy, less expensive and time saving. Finally, I have got a profit of Rs.48,000/- in Bhendi cultivation due to the market tie-up through TN-IAMWARM".



## ANIMAL HUSBANDRY DEPARTMENT

### Success Of Feeding Co3 Slips To Dairy Animals

**Chithirampatti Village, Viralimalai Panchayat Union, South Vellar**

Mr.Palaniyandi, was given Co3 slips to cover 10 cents during 2007-08. He increased his



cultivation area to 20 cents during 2008-09 and the area is sustainable till today.



In 2009-10, Mr.Palaniyandi, has given Co3 slips free of cost to Mr.Ravichandran to cover 10 cents who is maintaining 3 crossbred cows.

In 2010-11, Mr.Palaniyandi, has given Co3 slips free of cost to Mr.Mohan to cover 10 cents who is maintaining 3 crossbred cows.

All the farmers say that there is an increase of 1 to 1.25 litres of milk per day per crossbred animal. Moreover they have reduced giving around 1 kg of concentrate. Hence by feeding Co3, there is a gain of around Rs.50 per day per animal.





## Success Of Azolla Demonstration

**Latheri Village, Latheri Panchayat Union,  
Koundinyanadhi**

Mr.Elumalai maintaining 2 cows was given Azolla training on 09.01.2010. On completion



of training he was given silpauline sheet under the project.

Started Azolla cultivation immediately. Extended one more plot on his own. Gets



an average yield of 800 gms to 1 kg per day per plot and feeds both his cows. He has reduced concentrates by 1 kg per animal.



By feeding azolla daily, he has an additional income of Rs.45/- per animal per day by increase in milk production and reduction in concentrate feeding. Apart from this, the animals are more healthy and conception rate has improved.

## Success Of Artificial Insemination In Pambar Sub-Basin



Farmers of Pambar sub-basin with their cross-bred heifer calves born through Artificial Insemination.



## FISHERIES DEPARTMENT

### Additional income through Aquaculture in Farm Ponds:

Aquaculture was promoted in Farm ponds which were excavated primarily for rain water harvest, ground water recharge and critical



irrigation. Majority of the farm ponds yielded fish production of 300Kg to 600Kg and an average net income of about Rs. 15,000/-per Crop. Many farmers judiciously utilized the pond bunds to raise Horticulture crops which yielded income and minimized bund erosion

Here are instances in which the Farmers were able to accomplish an excellent fish production of over 600Kg/Pond(0.1ha)/Crop by scrupulously following good management practices advocated by the project.

### Chinnar Sub-basin:

Thiru. A. Pannerselvam and Thiru. K. Karuppiah of Ogalur Village got a net income of about `15,000/- per crop from Farm Pond aquaculture promoted by the Project. This has motivated a neighboring Farmer of the same village Thiru. Ramasamy to excavate a Farm Pond and take up aquaculture with his own investment. He was trained in Good aquaculture practices by the project. The farmer was also encouraged to raise Horticulture crops in the bund. He was able to harvest 610Kg of fish which is excellent by the average production level in the semi intensive culture systems in Tamil Nadu. A net revenue `19,000/- was realized from fish yield and ` 1800/- from the vegetables and flowers raised in the bund.

### Salient Details:

Fish seed Stocked	- Catla, Rohu, Mrigal, Grass Carp.
Feed used	- Conventional feed. (Rice bran+GOC)
Culture Period	- 8 Months.
Fish Production/ha	- 6.10 tonnes/ha

### Manimuthar Sub-basin:

Thiru.M.Subramaniam of Kurunthanpattu Village was able get a net revenue of `24,000/-



with a total Fish harvest of 635Kg from his Farm Pond. He was able to triple his profit from the same land which was used to Cultivate Paddy and is sustaining the aquaculture activity. The bunds of the ponds are effectively utilized to get economic return by planting teak saplings and fodder.

### Salient Details:

Fish seed Stocked	-	Catla, Rohu, Mrigal,
Culture Period	-	8 Months.
Fish Production/ha	-	6.35 tones/ha
Net Profit	-	`24,000/-





## **External Evaluation of IAMWARM Project**





## External Evaluation of IAMWARM Project

IAMWARM project was evaluated by external agencies viz., Institute for Sustainable Development, Chennai and SMEC Ltd, Australia which is the monitoring and evaluation agency for the IAMWARM project.

### ISD Chennai

A rapid assessment on the impact of IAMWARM project was conducted by the institute. The principal objective is to measure the impact of the project on farming community, farming practices, irrigation service delivery and farm income through project interventions in crop diversion and horticulture area expansion. The study was conducted in selected three Phase I sub basins. They are Varahanadhi, Upper Vellar and Palar sub basins.

All the farmers in selected tanks formed the sampling frame and sampling was done using probability proportionate sampling method. Systematic random sampling method was used to select the farmers from each tanks. 32 Water User Associations and 223 individual farmers were contacted from the area where the project has been active since 2007-08. As a control, 18 tanks belonging to similar socio economic and agro climatic conditions without any project interventions were selected. In these control villages, 84 individual farmers were contacted.

In total, 50 WUAs and 307 individual farmers were contacted for the impact study.

### Salient findings

- More than 63 percent of the farmers in the project area reported that one or the other kind of work has been executed in the tank/canal in their area. WRD Officials visited the farmers, consulted with them, helped in the formation of WUA and they continue to meet the farmers to discuss water management issues in one eighth of the villages/tank ayacut, as reported by farmer groups. Officials visited and consulted farmers and helped them to form the WUA Regarding restoration work required for the tank/canal, in almost 47% of the tank ayacut/villages the WRD officials carried out the work
- Visit and interaction of officials from the departments including Agriculture, Horticulture, Tamil Nadu Agricultural University, Agricultural Engineering and Agricultural Marketing with the community also was more frequent in the project area compared to the non project area. They did it very often and discussed with the farmers about demonstration plots of SRI, various hybrid crops, farm ponds, shade net, micro irrigation systems, commodity group etc according to 18.75% of the groups, and according to another 16% farmers, besides discussing these issues the officials





encouraged the farmers to participate in the demonstration farms/units. In 25% of the villages, according to the farmers, the officials visits very often and discuss issues related to water management.

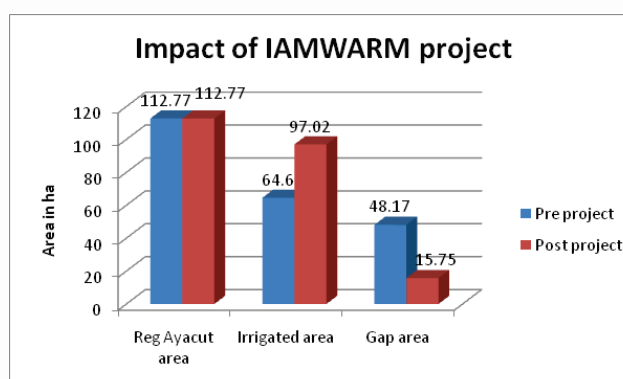
- More than 40% of the farmers were able to use modern irrigation technology, and hence got a good yield. Nearly 10% found that due to project intervention, they got sufficient water, used modern irrigation technology, got good yield from the farm, and used the saved water for another crop. In the area where there is no project intervention, farmers in the 95% of the tank/ayacuts did not have water, hence there is no cultivation, or used the insufficient water through traditional irrigation methods and got poor yield.
- Maize cultivation was also equally prevalent as paddy, in the area and the number of maize farmers is more in the project area (30%) compared to the non project area (25%).
- Vegetables cultivation is more practiced among the project area farmers (22.87) compared to the non project area farmers (7.14). So also cultivation of banana with 2.38 and 9.87 percents respectively for non project and project areas.

- Millets, pulses and groundnut were cultivated by more farmers in the project area compared to non project area.
- More than 40% of the paddy farmers in the project area are cultivating paddy under SRI method where as in the non project area only 8.16% paddy farmers are adopting SRI. Paddy growers under SRI took 46.22 percent higher yield (7125 kg/ha) and resultantly a 63 percent high income (Rs 70209/ha) in comparison with conventional cultivators (4873 kg/ha and Rs 43061/ha).

## SMEC, Australia

A rapid study was taken in eight tank systems spread across seven sub basins. A quick survey was conducted in the selected tank systems to collect required data. The beneficiary households in the tanks are selected at random. Focused group discussions were also held with different stakeholders, followed by walkthrough surveys in the respective tank systems.

## Salient findings





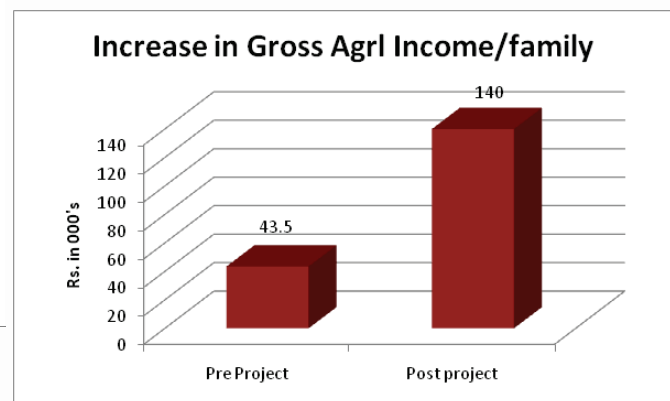
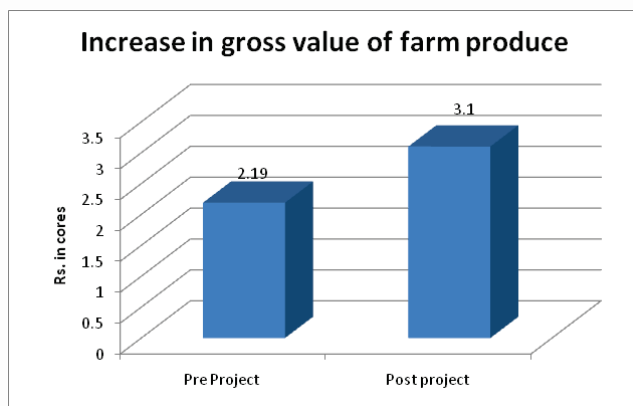
Out of the total ayacut area of 112.77 ha, irrigated area got a spectacular increase from 64.6 ha to 97.02 ha in the pre project and post project phases respectively. The gap area got reduced from 48.17 ha to mere 15.75 ha.

The block demonstrations covering 15 to 20 hectares in one year had a larger impact on adoption pattern of the farmers. In Vilacherry tank, SRI was demonstrated in 20 ha in the first year. About, 140 hectares were brought under SRI along with 20 ha demo area.

Animal husbandry interventions have helped a great deal in promoting healthy breeds of milch

animals, sheep and goats. The milk yield has increased from 2 to 4 liter per animal. Green fodder development concept is very useful to the farmers and is catching up in the project tanks.

Gross value of agricultural produce in the tank system increased from Rs 2.19 crores before the project to Rs.3.10 crores (41.6 %) after the project. Also, the gross income from agriculture per family increased from Rs.43.5 thousand in the pre project situation to Rs1.40 lakhs in the post project scenario.





**STUDY TOURS**





## 4. STUDY TOURS

### Kenya – Delegation visit to IAMWARM

The delegation on study tour comprising 20 personnel including 12 from Kenya, two from Brundi, two from Japan and one each



from Ethiopia, Lesotha, Tanzania & Zambia had a glimpse of the IAMWARM Project implementation in Tamil Nadu. The team arrived Chennai on 23.06.2010 with the



main aim of studying the IAMWARM related activities and to learn the art of convergence by the various departments in the sub basin frame work. The team had discussions with



the various departments' heads to know about the smooth functioning and implementation of the various activities in a convergence mode.

They visited the Varahanadhi sub basin for two days. They have seen how the water service delivery has been improved with rehabilitation of Water-bodies and how the Agriculture Intensification and Diversification had been made possible through demonstration of SRI, Precision farming, use of farm implements and mechanization in various crops. The visitors virtually saw the concept of crop diversification



with Horticulture crops to achieve the water use efficiency. They were also impressed with the functioning of Agri Business centre at Kooteripattu



with the participation of WUAs and the ICT based dissemination of technology, professing to adopt these in their Countries.

The team was amazed with the process of behavioral and organizational changes being undertaken by the project and appreciated the role of various departments to fulfil the community demand. This Programme was organized by CEC.

## **Ethiopian Journey to IAMWARM in TamilNadu.**

A total of 10 Government staff from the Federal Ministry of Agriculture, Ethiopia involved in the Agriculture Growth Project visited the IAMWARM Project for three days from



30.11.2010 to 02.12.2010. The Ethiopians are implementing such similar programme in their country. IAMWARM Project was selected based on its highly impressive outcome indicators in the design of the Project. CEC

has arranged complete logistics for the visit.

The entire Programme was tailored to their requirement which was made known by the data collected through the questionnaire that was sent in advance of their departure.

The delegation had an opportunity to study improved water service delivery through rehabilitation of Water-bodies and the demonstrations of the System of Rice Intensification (SRI) and other departments' initiatives to improve water use efficiency in Agriculture through Intensification and Diversification and in other allied sectors. To them the Convergence of various departments involved in the IAMWARM Project was much amazing.

The MDPU team in collaboration with CEC (Centre of Excellence for Change) had organized an exhibition depicting the success through various departments. The guests had first hand exposure on success stories of IAMWARM activities like the rehabilitation of the existing tank system, improved yield of SRI, functioning of Agri Business Centre with the participation of WUAs , E-Velanmai, ICT based Agricultural extension models viz., Touch screen etc in Varahanadhi sub-basin in Villupuram District.

A video film "Neerundu Nilamundu" highlighting the change initiatives under the project towards improving irrigation service delivery, convergence and community participation was viewed by the visitors with immersed attention..





## **CHANGE INITIATIVES**



## 5. CHANGE INITIATIVES

### TN IAMWARM as Technology Partner with Civil Society

The Centre of Excellence for Change (CEC) Chennai a partnership of professionals working in water and food sector organized an international Conference cum workshop on Water Partnerships towards meeting the Climate Challenge at Chennai on 6th&7th January 2011 with technical support drawn from IIT, Madras, International Water Management Institute Srilanka, Reclaim Public Water, Brussels, UNICEF India, UN-Habitat and UN Water.

The CEC invited TN-IAMWARM to be one of the Partners for providing technical expertise (Designing the Workshop & Sharing the best practices The conference aimed to establish a Water Partnerships platform to help and share problem solving knowledge amongst the various Water Utilities and stakeholders as well as undertake match making exercises between Challenges and agencies with experience in specific resolutions. The TN IAMWARM provided the technical support to the conference design and shared the learning from the Project. The TN IAMWARM got widest appreciation from the participants for the creative and innovative practices in IWRM methodology. His Excellency Dr.APJ Abdul Kalam former President of India in his Special Address

“Recently I met the group of engineers and government officials under the leadership of Mr. Vibu Nayyar IAS at Rajbhavan, Chennai on 10 Nov 2010 night 11.00 pm. We had a discussion up to 12.30 AM in the night. What were amazed to me were the enthusiasm and the working spirit of the government officials from various departments in unison under the Centre of Excellence for Change movement. I would like to narrate what I have gained from that experience. I came to know



about the project called IAMWARM (Irrigated Agriculture Modernisation and Water-Bodies Restoration and Management). The objective of the project is to improve irrigation service delivery and productivity of irrigated agriculture with effective integrated water resources management in a river basin / sub-basin frame work in Tamilnadu. The project was to be executed over 6 years starting 2007. With an outlay of US\$ 566 million the project seeks to converge Water Resources Organization,



Agriculture, Horticulture, Agri. Engineering, Agri. Marketing, TNAU, Animal Husbandry & Fisheries Departments.

What is the unique situation that I have witnessed in this project is the integrated working together of 7 government departments and Tamil Nadu Agriculture University as its Research and development and training partner. I came to understand that they have implemented SRI (System of Rice Intensification) in 61000 hectares which is yielding more than double the normal productivity of Rice. 3.1 Lakh hectares have been brought under Ayacut Area modernization and 1.85 lakh hectares of Ayacut have been already modernized. Totally 817 tanks have been rehabilitated and 1059 tanks rehabilitation and Desliting is under progress. Around 4500 hectares have been brought under micro irrigation scheme. nearly around 1000 farm ponds were created. 1.38 lakh hectares of land has been brought under additional cultivation for horticulture products and they have trained around 2000 staff to provide service and training to the farmers and totally around 16000 farmers have been given training on all these activities." These observations inspired the participants and put the project on spotlight.

The conference achieved it's objectives to a fair measure and has a few firsts to its credit.

i).The Conference passed the Chennai declaration (Copy Attached) resolving to

establish the Water Organization Partnership of India (with GOI leadership)-with a suggested structure and plan of action. The Secretary DDWS GOI, Secretaries to Government in charge of Drinking Water and Chief Executives of PHEDs and Water Resources Departments are signatories to the declaration.

ii) It was one of the few occasions when Drinking water and Water resources were under one roof and they continued that relationship when it was decided that both the sectors would have a common platform

iii) UNDP, UNICEF India have indicated their in principle interest in supporting this process. Transnational Institute - Amsterdam have indicated their support with global research/ information to be shared on the India platform.

The India Water Organisations Partnership is expected to deliver the following outcomes.

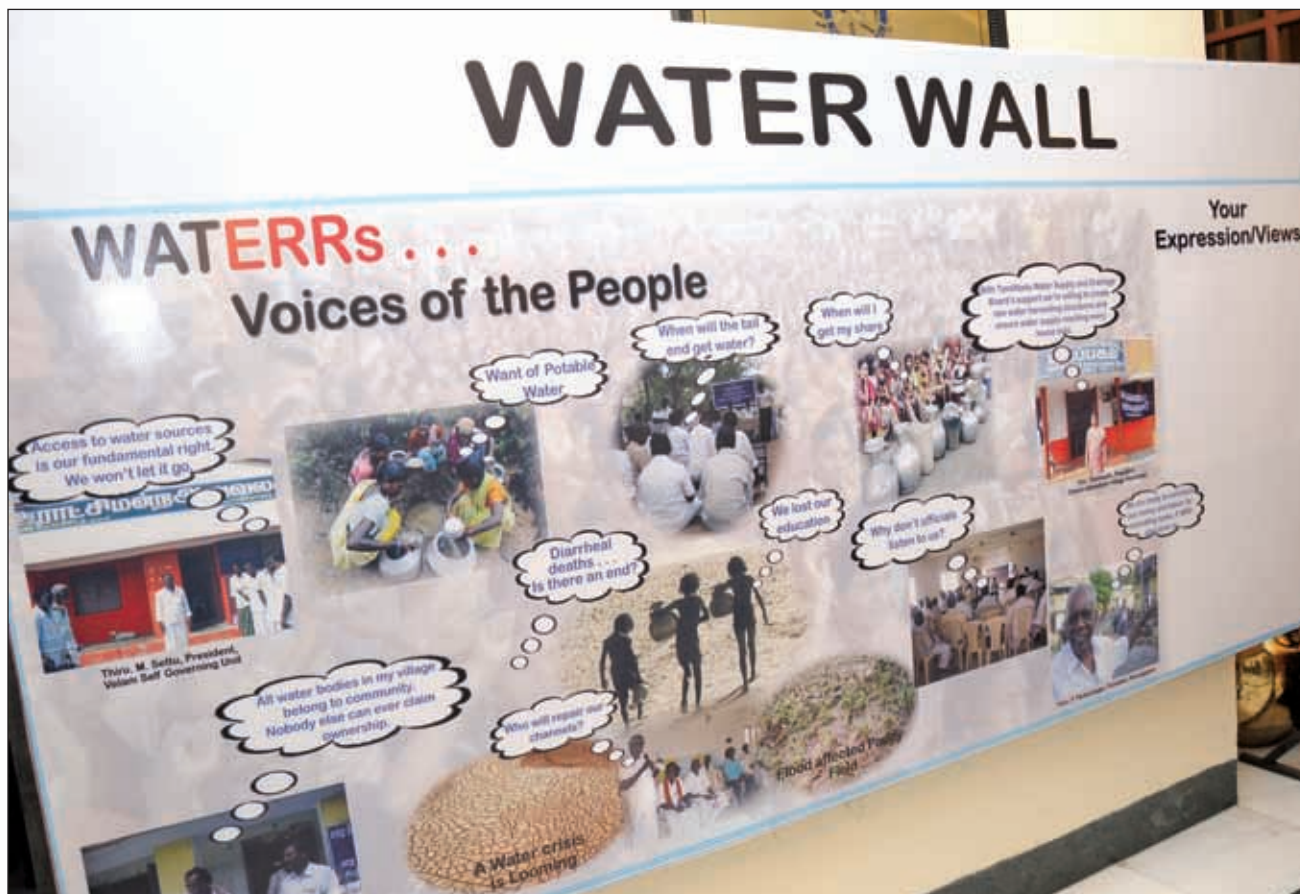
### EXPECTED OUTCOMES

- A major network in the water sector of India
- As a national congress and platform for the various stakeholders in water sector to come together
- A Network of various stakeholders
- As a knowledge hub: best practices in water service delivery and resource management





- is known/ recognized, including data and information, easily available/accessible and understood by everyone
- Improved performance by the public water operators, achieving the minimum, prescribed set of standards on water service delivery and resource management; citizens have better access to water
- Instituted “Water Awards” for best practices/ best water operators
- Neutralize the critique of Public management by raising efficiency and effectiveness of the public water operators/best partnership
- An effective regulatory framework for public water service delivery and resource management, especially for water-scarce and quality-affected areas
- A Water Citizenship Charter is signed, endorsed and practiced by all members and individuals of the partnership/WOPs
- As an effective and inclusive moderator/ facilitator among various stakeholders in the water sector (through a website, call centre etc.)



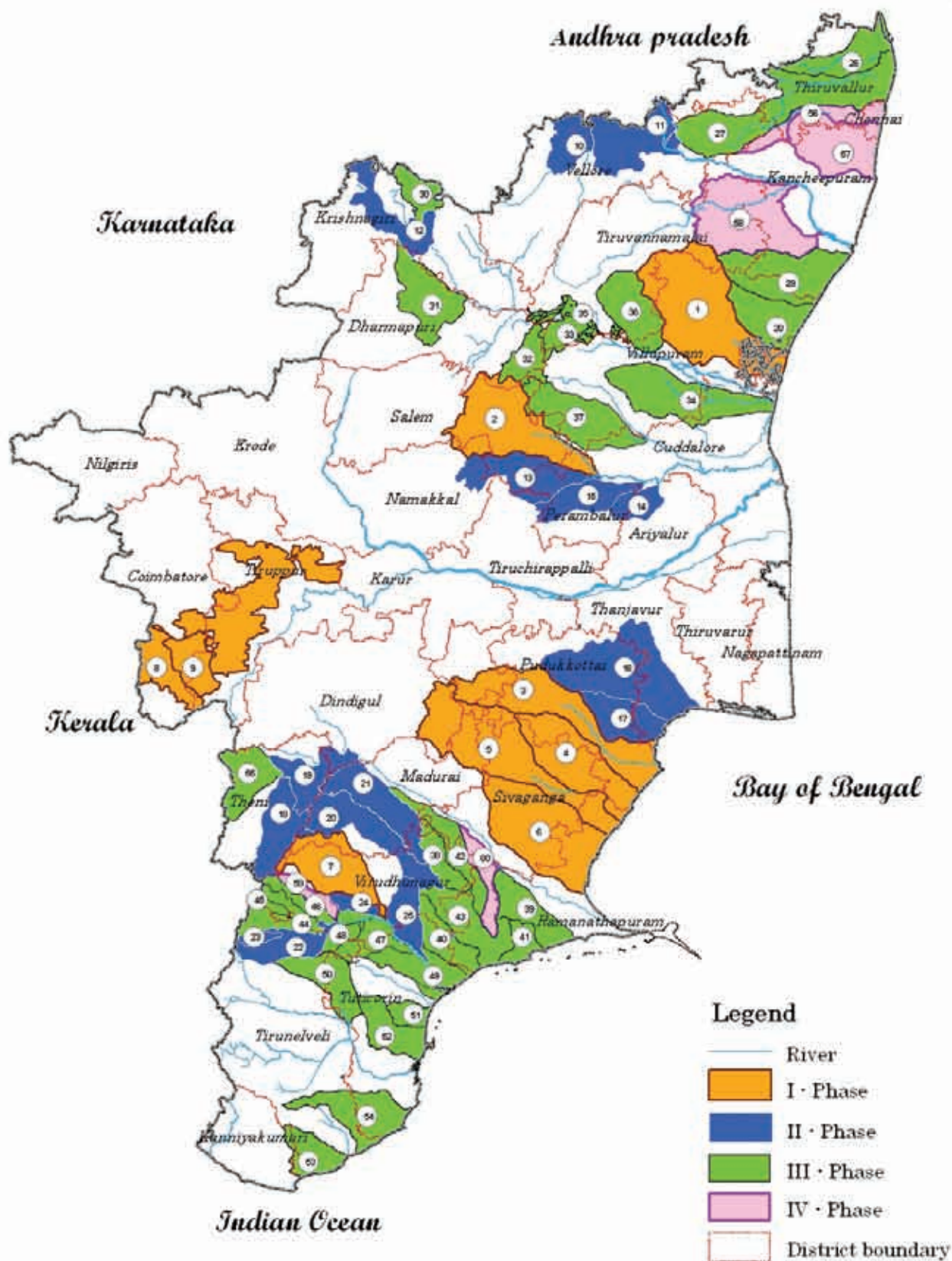


## **GIS Project Maps**





## IAMWARM PROJECT Selected Sub Basins



### I Phase

1. Varahanadhi
2. Upper Vellar
3. South Vellar
4. Pambar
5. Manimuthar
6. Kottakkarayar
7. Arjunanadhi
8. PAP - Aliyar
9. PAP - Palar

### II Phase

10. Koundinyanadhi
11. Poiney
12. Upto Krishnagiri (Ponniyar)
13. Swethanadhi
14. Anaivari odai
15. Chinnar
16. Agniyar
17. Ambuliyar
18. Upper Vaigai
19. Varattar - Nagalar
20. Upper Gundar
21. Therkar
22. Nichabanadhi
23. Kalingalar
24. Sindapalli Uppodai
25. Senkottariyar

### III Phase

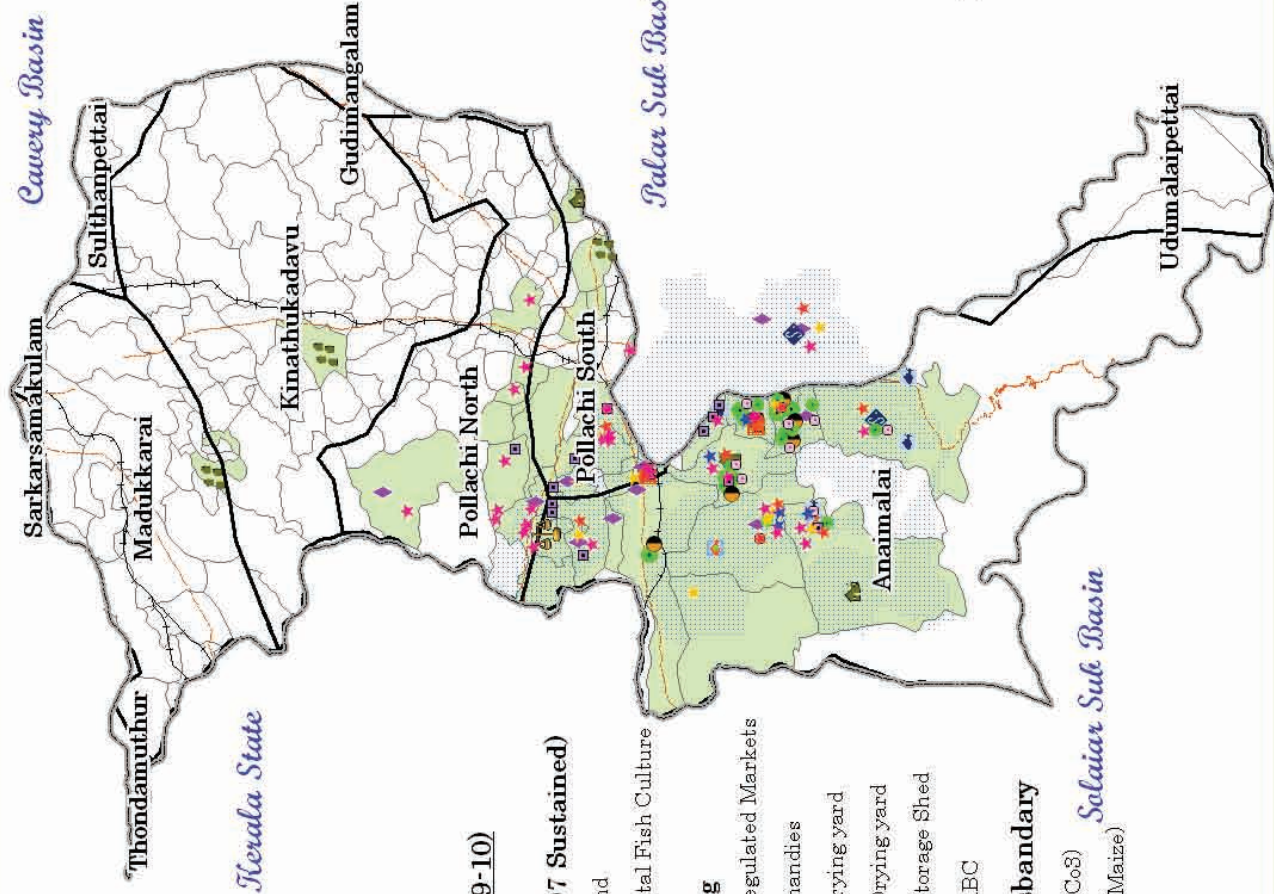
26. Araniyar
27. Kosasthalaiyar
28. Nallavur
29. Ongur
30. Markandanadhi
31. Kambainallur
32. Kovilar (Kottapattikallar)
33. Pambanar Verattar
34. Gadilam
35. Pambar to Tirukoilur
36. Thurinjalar
37. Gomukinadhi
38. Kanal odai
39. Uthirakosamangai
40. Vembar
41. Palar
42. Girdhamal
43. Lower Gundar
44. Deviar
45. Nagarier
46. Sevalaperiyar
47. Uppathur
48. Vallampatti
49. Main River (Vaippar)
50. Uppodai
51. Hanumannadhi (Nambiyar)
52. Karumeniar
53. Salikulamer
54. Korampallam Ar.
55. Theniar

### IV Phase

56. Cooum
57. Adyar
58. Cheyar & Kiliyar
59. Kayalkudiyar
60. Paralaiyar



**Phase-I**  
**Aliyar Sub Basin**  
**IAMW ARM Activity map**



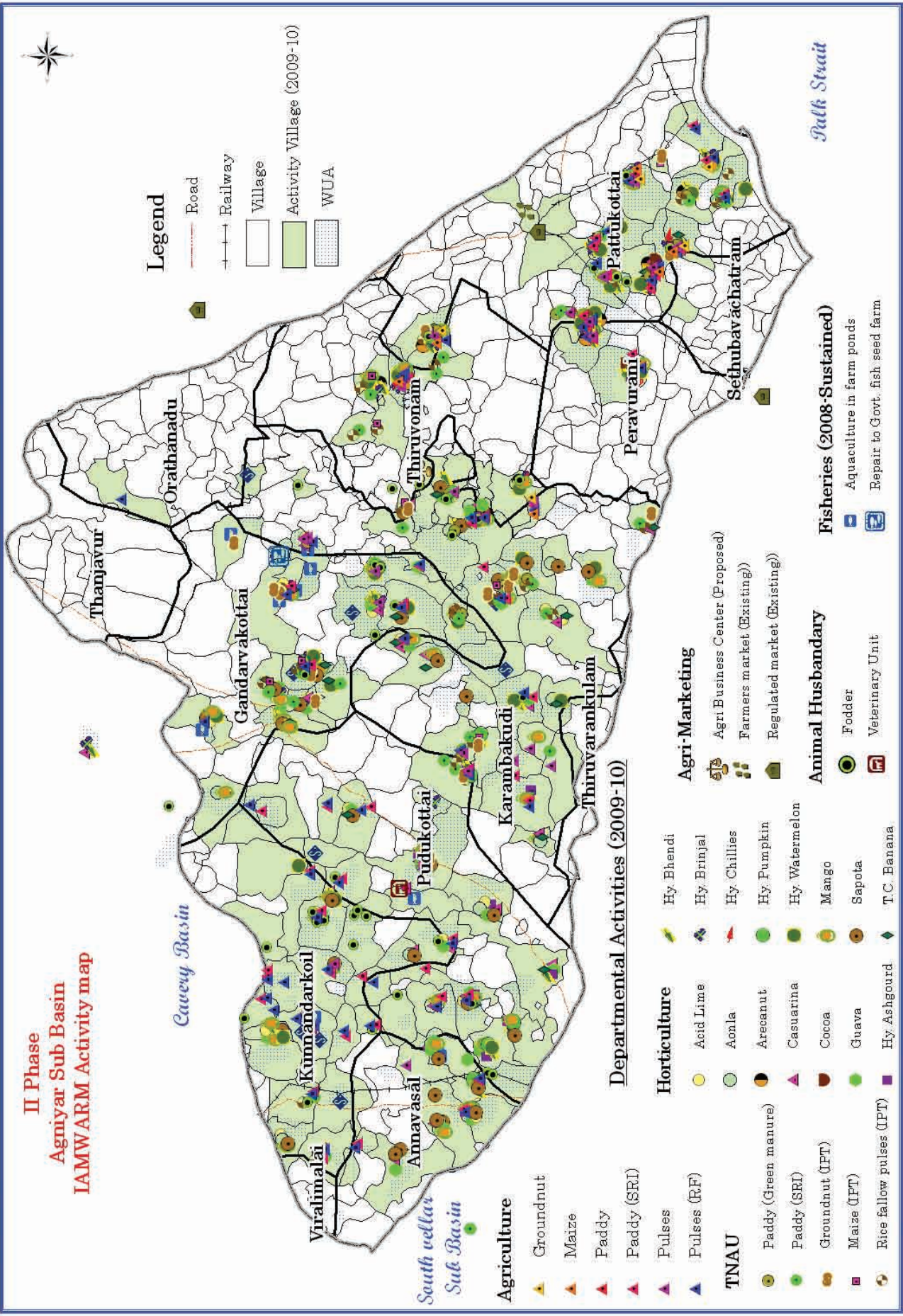
**Departmental Activities (2009-10)**

- Agriculture**
  - Paddy (SRI)
  - Pulses
  - Pulses (RF)
- TNAU**
  - IPT-Rice fallow pulses
  - SRI
  - SRI (Green manure)
- Horticulture**
  - ★ Bitter Gourd
  - ★ Cocoa
  - ★ Ribbed Gourd
  - ★ T.C. Banana
- Agri-Engineering**
  - ◆ Drip irrigation
  - ◆ Sprinkler Irrigation
- Fisheries (2007 Sustained)**
  - ◆ Farm Pond
  - ◆ Ornamental Fish Culture
- Agri-Marketing**
  - ◆ Existing Regulated Markets
  - ◆ Existing Shandies
  - ◆ Existing Drying yard
  - ◆ Proposed Drying yard
  - ◆ Proposed Storage Shed
  - ◆ Proposed ABC
- Animal Husbandary**
  - Fodder (Co8)
  - Fodder (Maize)

**Legend**

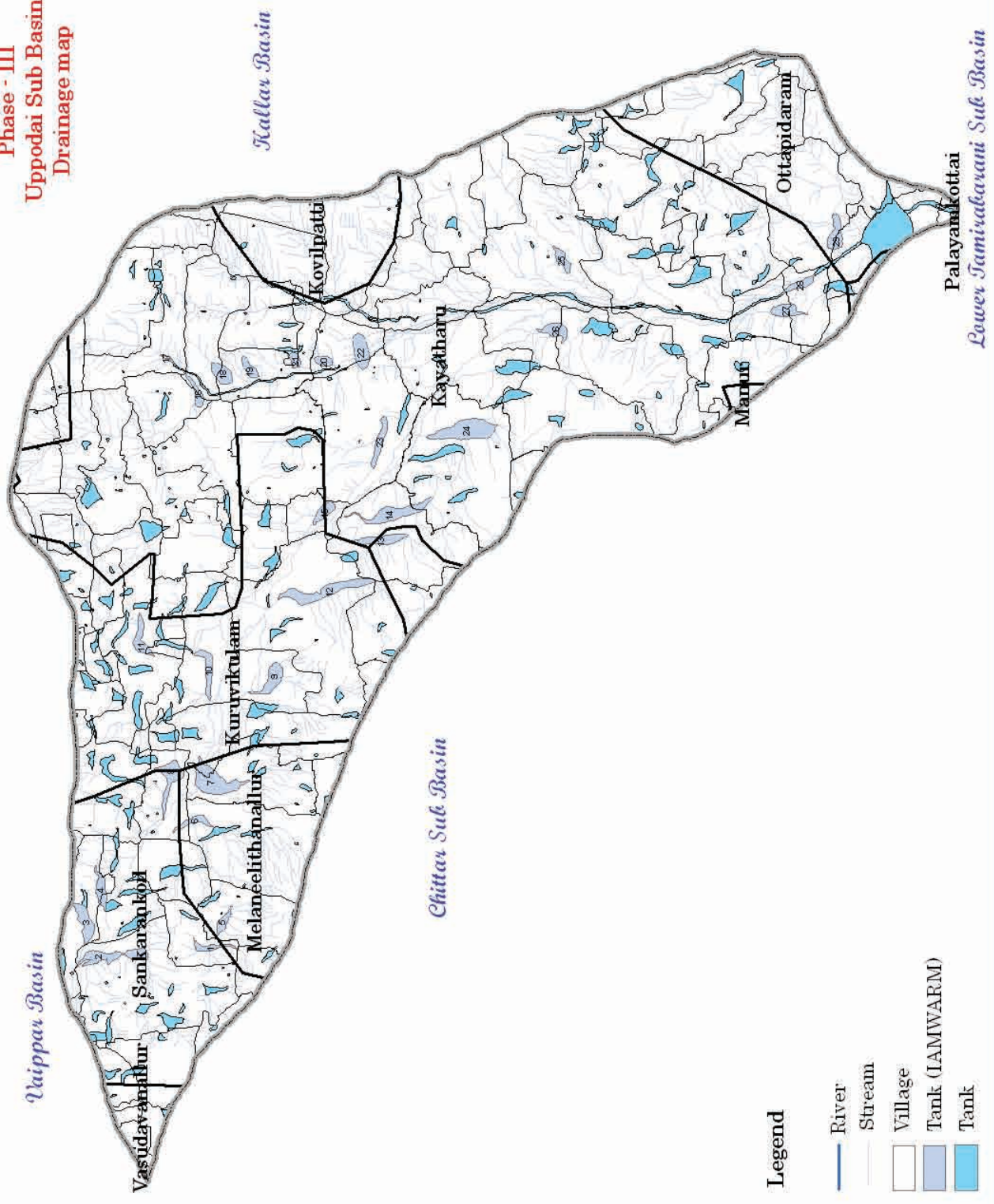
- Road
- +— Railway
- Village
- Activity Village (2009-10)
- ▨ WUA

**II Phase  
Agniyaar Sub Basin  
IAMWARM Activity map**





**Phase - III  
Uppodai Sub Basin  
Drainage map**



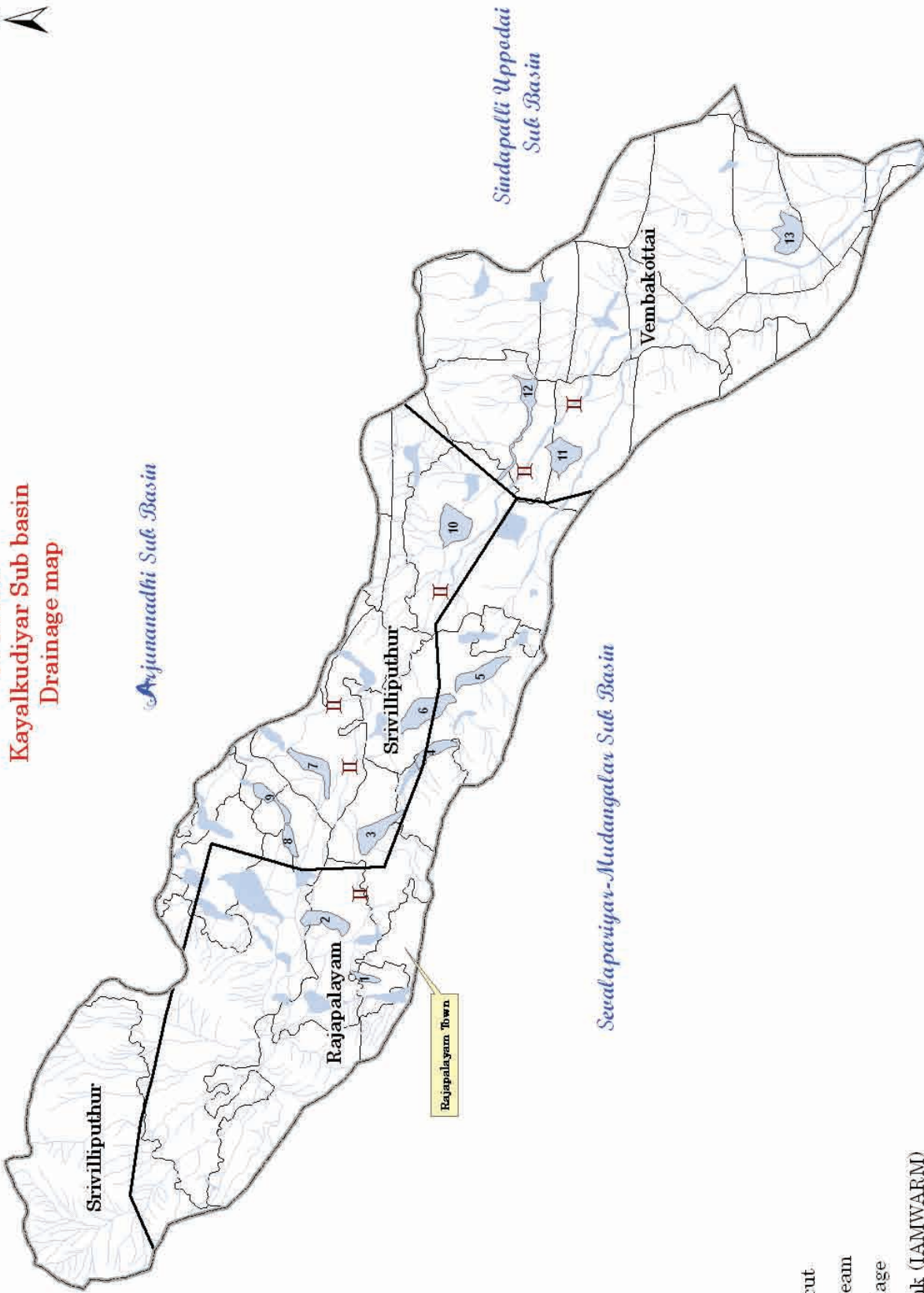
**Legend**

- River
- Stream
- Village
- Tank (IAMWARM)
- Tank





**IV Phase  
Kayalkudiyar Sub basin  
Drainage map**



- Legend**
- Anicut
  - Stream
  - Village
  - Tank (IAMWARM)
  - Tank