TN – IAMWARM PROJECT

UTHIRAKOSAMANGAIR SUB BASIN

WATER RESOURCES ORGANISATION

DETAILED PROJECT REPORT

1.1. INTRODUCTION

1.1.1. GENERAL:-

Agriculture is the dominant sector in the Indian economy Tamilnadu depends largely on the surface water irrigation, as well as the ground water irrigation . Faster growth in agriculture is central to sustainable development and poverty reduction in Tamilnadu .Given the importance of agriculture in the incomes of the poor in Tamilnadu, growth in agriculture could further reduce rural poverty through higher yield to agriculture producers , higher real wages to agriculture labours and increased income and employment opportunities with forward and backward links to the rural non-farm sector.

The state has used the surface and ground water potentials to the maximum limit and hence the future development and expansion depend only on the efficient and economical use of water potential and resources . To achieve higher water use efficiency , it is necessary to improve and upgrade the existing conveyor and storage systems and also to introduce modern irrigation methods.

With the above object , a comprehensive programme has been proposed with a multi Disciplinary approach.

1.1.2. DESCRIPTION OF THE GUNDAR BASIN

The river Gundar originates as Upper Gundar at an altitude of 1008m(MSL) near Chathuragiri Hills in Saptur reserve forest on the eastern slopes of western Ghats in Madurai District and run South- South east direction for a distance of 150km. and finally empties into Gulf of Mannar , The river basins is located between latitude 9^{o} 05' to 10^{o} 03 N and longitude 75^{o} 35' to $78^{o}35^{'}$ E having the drainage area of 5690 sqkm. This basin in surrounded by Vaippar basin on the South Western ghats and Vaigai river basin on the West & North and Gulf of Mannar (Bay of Bengal) on the east, Thekkar, Kanal odai ,

Giruthumal nathi, Paralaiyar and Vembar are its tributaries and the basin is diverted in to 9 sub basins namely as follows

1.Upper Gundar

2.Therkkar

3.Kanal odai

4.Giruthumal Nadhi

5.Paralaiyar

6.Uthrakosamangaiyar

7.Palar

8.Lower Gundar

9.Vembar

1.1.3. DESCRIPTION OF UTHRAKOSAMANGAIYAR SUB BASIN :-

Uthrakosamangaiyar sub basin is located on the North east side of Gundar basin which is formed from the surplus courses of many tanks fed by Vaigai river and Ragunatha Cauvery channel of Gundar and finally empty theirself in Gulf of Mannar .The sub basin area is 636.23 sq.km. covered by the portion of Paramakudi , Muthukulathur ,Kadaladi and Ramanathapuram taluks of Ramanathapuram District.

1.1.4 MULTI DEPARTMENT CONVERGENCE:-

This is important to ensure convergence around water and its productive use by various service Delivery organization which are the participating Departments in the project. Therefore a strategy of creating cluster in tank area has been devised and common activities in the villages falls under the clusters have been adopted.

15 clusters have been identified in this sub basin. The common convergence table indicates the Department wise inputs for the important area of every cluster as shown in the Convergence Table Annexure I & II.

CONVERGENCE TABLE -ABSTRACT

Uthrakosamangaiyar

Cluster NO	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
	F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos./Ha.	Activities	Nos. /Ha.	Activities	Nos./Ha.	Activities	Nos./Ha.	Activities	Nos. /Ha.	Activities	Nos./Ha.	Activities	Nos. /Ha.	Activities	Nos./Ha.
I. URAKUDI	424.21	145.99	105.7	570.2	675.9		-	-	A.E.P (Ch) Brinjal	18.88 2.00	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 6 1 1120m 30 1	Fodder Cholam	3
II..VILATHUR	501.73	113.91	128.27	615.64	743.91	Chillie	-	-	A.E.P	64.93	-	-	-	-	Springler Irrigation (Chillies) oil Engine Form Ponds P-T - M.C.H. - M.T	3.00 Ha. 12 22 1 1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	3500m 4 3 15m 14020 25 1	Fodder Cholam	3.3

III.KAMUTHAKUDI	636.48	194.24	178.3	830.72	1009.02	Chillie			A.E.P Brinjal Chillie Bhendi	9.00 36.72 3.00					Springler Irrigation (Chillies) oil Engine Form Ponds P-T - M.C.H. -	1.00Ha. 9 17 1 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	8370 - - 130m 8513m 27 -	Fodder Cholam		3
IV.SELLUR	461.78	72.38	116.56	534.16	650.72				A.E.P Brinjal Chillie Bhendi	11.00 185.48 3.00					oil Engine Form Ponds P-T -	10 16 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	23400m - 1 - 6277m 15 -	Fodder Cholam Green fodder		1.2 .40
V.KAKKUR	366.71	94.36	107.06	461.07	568.13	Chillie			A.E.P	119.5					oil Engine Form Ponds P-T - M.C.H	15 18 1 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	9000 1 - 30 8204m 24 2	Fodder Cholam		3.2
VI.NENKALAKURICHI	305.38	40.42	89.39	345.8	435.19	Chillie			A.E.P	128.5					oil Engine Form Ponds P-T -	16 16 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 2 - - 7833m 26 1	Fodder Cholam		3

VII.VALANADU	165.76	74.69	68.34	240.45	308.79	Chillie			A.E.P	33					oil Engine Form Ponds	1313			Desilting ChannelHead sluicesCross masonryProtection wallTank BundSluice Recon.Wier Recon.	-12-10336m	203	Fodder Cholam	2.1
VIII.MUTHUKULATHUR	375.44	152.28	136.89	537.97	664.61	Chillie			A.E.P	141					oil Engine Form Ponds P-T -	7 11 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	3000M - - 70m 4428m 17 -		Fodder Cholam	2.1
IX.THIRUVARANGAM	157.38	54.63	50.49	202.535	262.49										Springler Irrigation (Chillies) oil Engine Form Ponds	3.00 2 2			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1650m - 1 - 9255m 12 2		Fodder Cholam	1.5
X.ARIYAKUDI	311.84	117.74	107.005	429.575	536.58										Springler Irrigation (Chillies) oil Engine Form Ponds	3.00 7 7			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	12995m 1 - - 19883m 11 1		Fodder Cholam	2.1

XI. THEYANUR	267.23	122.06	94.05	389.28	483.33											Springler Irrigation (Chillies) oil Engine Form Ponds M.C.H	3.00 4 4 2			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	16190m 1 4 - 16447m 3 -	Fodder Cholam	2. 4
XIIUTHRAKOS AMANGAI	369.72	107.214	98.6148	476.93	575.545											oil Engine Form Ponds M.C.H P.T.	12 17 1 2			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	10200m 5 1 - 6771m 11 1	Fodder Cholam	3. 3
XIII. KALARI	839.66	207.204	258.85	1046.86	1305.72											Springler Irrigation (Chillies) oil Engine Form Ponds P-T - M.C.H. -	1.00 17 17 2 3			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	12580m 2 1 50m 15484m 10 5	Fodder Cholam	2. 1
XIV.VELLA BIG	333.2	56.02	110.414	389.216	499.63											oil Engine Form PondsP.T.	12142			Desilting ChannelHead sluicesCross masonryProtectio n wallTank BundSluice Recon.Wier Recon.	6850m-- 8862m131	Fodder Cholam	1. 8

XV.VITHANUR	177.93	11.62	46.25	189.55	235.8	-	-	-	-	-	-	-	-	-	-	oil Engine Form Ponds	5 5	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 3186m 8 2	-	-
GRAND TOTAL	**5694.43**	**1564.76**	**1696.18**	**7259.96**	**8955.36**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**1700735M 23 NOs 14 Nos 1415M 149909m 252Nos 20 Nos.**	-	

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Paramakudi & Mudukulathur

Cluster - I (Urakudi)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.
1	Vengalore	89.36	19.98	18.53	109.34	127.87	Chillie Brinjal	-	-	A.E.P Brinjal	2.79 2.00	-	-	Drying yard , storage shed , ABC,Training to farmers , material supply and formation of commodity groups.	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - 1100m - 3 -	Fodder Cholam	0.3
2	Urakudi big	117.98	18.23	26.21	136.21	162.42	Chillie	-	-	A.E.P	6.09	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - - 3 -	Fodder Cholam	0.3
3	Urakudi small	10.04	5.41	4.77	15.45	20.22	-	-	-	-	-	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	NIL	Fodder Cholam	0.3

4	Athiendal	13.25	6.17	3.65	19.42	23.07	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - 20 - 3 1	Fodder Cholam	0.3
5	Madanthai	45.03	16.26	9.69	61.29	70.98	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - - - 3 -	Fodder Cholam	0.3
6	Sangakottai	17.80	7.46	5.31	25.26	30.57	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - - - 3 -	Fodder Cholam	0.3
7	Padayanendal	9.20	3.00	2.96	12.20	15.16	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
8	Kumaranendal	33.77	12.50	8.55	46.27	54.82	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3

9	M.Nedunkulam	47.79	43.13	13.70	90.92	104.62	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - - 2360m 5 -	Fodder Cholam	0.3
10	Pulikulam	39.99	13.85	12.33	53.84	66.17	Chillie	-	-	A.E.P	10	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 1 - - 4 -	Fodder Cholam	0.3
TOTAL		**424.21**	**145.99**	**105.70**	**570.20**	**675.90**	-	-	-	**A.E.P (Ch) Brinjal**	**18.88 2.00**	-	-	-	-	-	-	-	-	**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**- 6 1 1120m 30 1**	**Fodder Cholam**	**3.00**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Paramakudi & Mudukulathur

Cluster - II (VILATHUR)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Activities	Nos. /Ha.
1	Keelakodumalur	50.55	12.06	14.27	62.61	76.88	Chillie	-	-	A.E.P	18.50	-	-	Drying yard , Storage shed , CDC, Training to farmers , Material Supply and formation of commodity groups.	-	M.T.	1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - 3 - 3627m 3 -	Fodder Cholam	0.3
2	Valangudi	12.36	5.09	3.75	17.45	21.20	Chillie	-	-	A.E.P	2.12	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - - - 2 -	Fodder Cholam	0.3
3	Nallukurichi	76.00	11.70	20.26	87.70	107.96	Chillie	-	-	A.E.P	24.00	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - - 3513m 3 1	Fodder Cholam	0.3
4	Kandakulam	10.20	2.25	2.80	12.45	15.25	-	-	-	-	-	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - 15m - 1 -	Fodder Cholam	0.3

5	Vikkirapandipuram	25.17	4.35	9.91	29.52	39.43	Chillie	-	-	A.E.P	8.90	-	-		-	Oil engine Form ponds	3 5	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	3500m 1 - - - 3 -	Fodder Cholam	0.3
6	Vilathur	86.62	20.15	18.86	106.77	125.63	Chillie	-	-	A.E.P	6.40	-	-		-	-	-	Form Pond Irr.Tank	1 1	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
7	Tholur	49.42	6.80	11.99	56.22	68.21	Chillie	-	-	A.E.P	2.05	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	Fodder Cholam	0.3
8	Kanjiendal	37.37	1.55	8.94	38.92	47.86	-	-	-	-	-	-	-		-	Springler Irrigation (Chillies) oil Engine Form Ponds	1 3 6	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
9	S.Kavanur	50.73	12.35	10.49	63.08	73.57	Chillie	-	-	A.E.P	2.96	-	-		-	-	-	-	-	Desilting ChannelHead sluicesCross masonryProtection wallTank BundSluice Recon.Wier Recon.	---- 3480m--	Fodder Cholam	0.3

10	Pamboor	61.16	23.75	15.18	84.91	100.09										Springler Irrigation (Chillies) oil Engine Form Ponds P-T - M.C.H. -	2 2 2 1 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
11	Thenpuduvakudi	42.15	13.86	11.82	56.01	67.83										oil Engine Form Ponds	3 8			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 3400m 2 -	Fodder Cholam	0.3
	TOTAL	**501.73**	**113.91**	**128.27**	**615.64**	**743.91**	**Chillie**			**A.E.P**	**64.93**					**Springler Irrigation (Chillies) oil Engine Form Ponds P-T - M.C.H. - M.T**	**3.00 Ha. 12 22 1 1 1**			**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**3500m 4 3 15m 14020 25 1**	**Fodder Cholam**	**3.3**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Paramakudi

Cluster - III (KAMUTHAKUDI)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.
1	Kamuthakudi	213.78	45.20	56.71	258.98	315.69	Chillie	-	-	A.E.P Brinjal Chillie Bhendi	4.00 10.20 3.00	-	-	formation of commodity groups.	-	oil Engine Form Ponds	3 5	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	Fodder Cholam	0.3
2	S.Andakudi	29.19	7.62	6.29	36.81	43.10	-	-	-	-	-	-	-	drying yard ; Storage shed ; ADC, Training to farmers ; Material supply and	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 2271m 3 -	Fodder Cholam	0.3
3	Kolavipatti	24.47	10.13	8.51	34.60	43.11	-	-	-	-	-	-	-		-	oil Engine Form Ponds	1 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 2500m 2 -	Fodder Cholam	0.3

4	Melayakudi	131.21	43.15	39.30	174.36	213.66	-	-	-	-	-	-	-	-	Springler Irrigation (Chillies) oil Engine Form Ponds P-T - M.C.H. -	1 3 6 1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
5	Nandupatti	19.15	9.15	5.85	28.30	34.15	Chillie	-	-	A.E.P	2.32	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1700m 2 -	Fodder Cholam	0.3
6	Poduvakudi	55.51	13.21	15.96	68.72	84.68	Chillie	-	-	A.E.P Chillie Brinjal	12.50 5.00	-	-	-	Form Ponds	1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	2450m - - 40 - 3 -	Fodder Cholam	0.3
7	Sundanendal	23.72	8.65	5.11	32.37	37.48	Chillie	-	-	A.E.P	3.90	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1000 - - - - 2 -	Fodder Cholam	0.3
8	Thelichathanallur	31.09	23.02	11.35	54.11	65.46	-	-	-	-	-	-	-	-	oil Engine Form Ponds	11	Form PondIrr.Tank	11	Desilting ChannelHead sluicesCross masonryProtection wallTank BundSluice Recon.Wier Recon.	2450m--30-3-	Fodder Cholam	0.3

9	Kattuparamakudi	77.57	22.59	19.45	100.16	119.61	Chillie	-	-	A.E.P	7.80	-	-		-	-		-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1500m - - 60m - 4 -	Fodder Cholam	0.3
10	Pambuvilundan	30.79	11.52	9.77	42.31	52.08	-	-	-	-	-	-	-	-	-	oil Engine Form Ponds	1 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	970m - - - 2042m 3 -	Fodder Cholam	0.3
	TOTAL	**636.48**	**194.24**	**178.30**	**830.72**	**1009.02**	**Chillie**	-	-	**A.E.P Brinjal Chillie Bhendi**	**9.00 36.72 3.00**					**Springler Irrigation (Chillies) oil Engine Form Ponds P-T - M.C.H. -**	**1.00Ha. 9 17 1 1**			**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**8370 - - 130m 8513m 27 -**	**Fodder Cholam**	**3.00**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Paramakudi & Mudukulathur

Cluster - IV (SELLLUR)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.
1	Venkatankuruchi	76.45	21.21	23.84	97.66	121.50	Chillie	-	-	A.E.P	8.37	-	-	-	-	oil Engine Form Ponds	1 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	10800m - - - - 3 -	Fodder Cholam	0.3
2	Vendoni	143.30	21.98	33.06	165.28	198.34	Chillie	-	-	A.E.P	18.75	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	600m - - - - 4 -	Green Fodder	0.2
3	K.Karungulam	25.73	8.84	7.89	34.57	42.46	Chillie	-	-	A.E.P	6.36	-	-	-	-	oil Engine Form Ponds	2 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1000m - 1 - - 2 -	Fodder Cholam	2.3

drying yard , storage shed , ADC, training to farmers , material supply and formation of commodity groups.

4	Vagaikulam	6.39	6.77	2.78	13.16	15.94	-	-	-	-	-	-	-	-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1400m 1 -	Green Fodder	0.2
5	Sellur	164.11	4.58	38.02	168.69	206.71	Chillie	-	-	A.E.P	12.50	-	-	-	oil Engine Form Ponds P.T.	6 10 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	11000m - - - 4877m 2 -	Fodder Cholam	0.3
6	Kalaiyur small	45.80	9.00	10.97	54.80	65.77	Chillie	-	-	A.E.P Brinjal Chillie Bhendi	11.00 139.50 3.00	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
-	**TOTAL**	**461.78**	**72.38**	**116.56**	**534.16**	**650.72**	-	-	-	**A.E.P Brinjal Chillie Bhendi**	**11.00 185.48 3.00**	-	-	-	-	**oil Engine Form Ponds P-T -**	**10 16 1**	-	**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**23400m - 1 - 6277m 15 -**	**Fodder Cholam Green fodder**	**1.2 .40**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Paramakudi & Mudukulathur

Cluster - V (KAKKUR)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos./Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.
38	Udaikulam	9.65	4.36	3.39	14.01	17.40	Chillie	-	-	A.E.P	2.45	-	-	Drying yard , Storage Shed , ADC, Training to farmers , Material Supply and formation of commodity groups.	-	oil Engine Form Ponds	3 3	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
39	Thiruvakki	18.06	4.59	5.79	22.65	28.44	Chillie	-	-	A.E.P	6.50	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	550m - - - - 1 -	Fodder Cholam	0.3
40	Paranthan	10.90	1.70	3.73	12.60	16.33	Chillie	-	-	A.E.P	4.00	-	-		-	oil Engine Form Ponds P.T. M.C.H	3 3 1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	Fodder Cholam	0.3

41	Thalaikkal	12.88	3.46	3.72	16.34	20.06	Chillie	-	-	A.E.P	4.01	-	-		-	oil Engine Form Ponds	36	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - 30m - 3 -	Fodder Cholam	0.3
42	Keelakanniseri	5.56	5.44	3.50	11.00	14.50	Chillie	-	-	A.E.P	3.50	-	-		-		-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	150m 1 - - - 2 1	Fodder Cholam	0.3
43	Keelapanaiyadiendal	10.01	11.80	6.28	21.81	28.09	Chillie	-	-	A.E.P	7.00	-	-		-		-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	300m - - - - 3 -	Fodder Cholam	0.34
44	Venneervaikkal	33.76	4.96	8.56	38.72	47.28	Chillie	-	-	A.E.P	12.00	-	-		-		-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.34
45	Kakkur	157.40	32.01	36.62	189.41	226.03	Chillie	-	-	A.E.P	50.00	-	-		-	oil Engine Form Ponds	33	-	-	Desilting ChannelHead sluicesCross masonryProtection wallTank BundSluice Recon.Wier Recon.	8000m---5120m21	Fodder Cholam	0.34

46	Puliyankudi	81.70	12.52	23.48	94.22	117.70	Chillie	-	-	A.E.P	30.00	-	-		-	oil Engine Form Ponds	3 3	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 3084m 3 -	Fodder Cholam	0.34
47	Vada Puliyankudi	26.79	13.52	11.99	40.31	52.30	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	Fodder Cholam	0.34
TOTAL		**366.71**	**94.36**	**107.06**	**461.07**	**568.13**	**Chillie**	-	-	**A.E.P**	**119.46**	-	-	-	-	**oil Engine Form Ponds P-T - M.C.H**	**15 18 1 1**			**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**9000 1 - 30 8204m 24 2**	**Fodder Cholam**	**3.2**
																-	-						

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Mudukulathur

Cluster - VI (VENKALAKURICHI)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Activities	Nos. /Ha.
1	Surankulam	10.00	2.82	3.14	12.82	15.96	Chillie	-	-	A.E.P	4.00	-	-	formation of commodity groups.	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	Fodder Cholam	0.3
2	Erumaipatti	11.80	0.60	3.04	12.40	15.44	Chillie	-	-	A.E.P	3.50	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	Fodder Cholam	0.3
3	Venkalankurichi	72.45	2.70	20.77	75.15	95.92	Chillie	-	-	A.E.P	24.00	-	-		-	oil Engine Form Ponds	5 5	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 3490m 3 -	Fodder Cholam	0.3

4	Posukudi	44.80	3.84	13.23	48.64	61.87	Chillie	-	-	A.E.P	19.00	-	-	-	oil Engine Form Ponds P.T.	3 3 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
5	Athanakurichi	23.60	2.14	6.48	25.74	32.22	Chillie	-	-	A.E.P	8.00	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
6	Neerkundram	10.70	2.84	3.57	13.54	17.11	Chillie	-	-	A.E.P	4.00	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	Fodder Cholam	0.3
7	Magindi	31.30	5.50	10.11	36.80	46.91	Chillie	-	-	A.E.P	15.50	-	-	-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
8	Alankanur	59.16	6.22	15.12	65.38	80.50	Chillie	-	-	A.E.P	24.00	-	-	-	oil Engine Form Ponds	22	-	-	Desilting ChannelHead sluicesCross masonryProtection wallTank BundSluice Recon.Wier Recon.	-1-- 2743m3-	Fodder Cholam	0.3

9	Pirabakkalur	26.32	6.68	8.19	33.00	41.19	Chillie	-	-	A.E.P	9.50	-	-		-	oil Engine Form Ponds	2 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1600m 2 1	Fodder Cholam	0.3
10	Meesal	15.25	7.08	5.74	22.33	28.07	Chillie	-	-	A.E.P	17.00	-	-		-	oil Engine Form Ponds	3 3	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - - - 3 -	Fodder Cholam	0.3
-	**TOTAL**	**305.38**	**40.42**	**89.39**	**345.80**	**435.19**	**Chillie**	-	-	**A.E.P**	**128.50**	-	-	-	-	**oil Engine Form Ponds P-T -**	**16 16 1**	-	-	**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**- 2 - - 7833m 26 1**	**Fodder Cholam**	**3**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Mudukulathur

Cluster - VII (VALANADU)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Activities	Nos. /Ha.
1	Ulaiyur	37.31	13.11	12.24	50.42	62.66	Chillie	-	-	A.E.P	15.00	-	-	Drying yard , storage shed , ADC, Training to farmers , material supply and formation of commodity groups.	-	oil Engine Form Ponds	3 3	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 2286m 3 1	Fodder Cholam	0.3
2	Pokkaranendal	12.04	3.34	4.01	15.38	19.39	Chillie	-	-	A.E.P	4.50	-	-		-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	Fodder Cholam	0.3
3	Ponnakkaneri	19.27	5.88	6.36	25.15	31.51	Chillie	-	-	A.E.P	7.50	-	-		-	oil Engine Form Ponds	2 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3

4	Kodarendal	16.11	3.52	4.34	19.63	23.97	Chillie	-	-	A.E.P	6.00	-	-		-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 1 - - 3 -	Fodder Cholam	0.3
5	Valanadu	58.25	38.06	23.50	96.31	119.81	-	-	-	-	-	-	-		-	oil Engine Form Ponds	6 6	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - 1. - 5800m 5 2	Fodder Cholam	0.3
6	Ponnakkaraiendal	6.60	2.90	1.95	9.50	11.45	-	-	-	-	-	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 1 -	Fodder Cholam	0.3
7	Nochikulam	16.18	7.88	15.94	24.06	40.00	-	-	-	-	-	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 2250m 3 -	Fodder Cholam	0.3
-	**TOTAL**	**165.76**	**74.69**	**68.34**	**240.45**	**308.79**	**Chillie**	-	-	**A.E.P**	**33.00**	-	-	-	-	**oil Engine Form Ponds**	**13 13**	-	-	**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**- 1 2 - 10336m 20 3**	**Fodder Cholam**	**2.1**

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CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Mudukulathur

Cluster - VIII (MUTHUKUKLATHUR)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.
1	Thadankani	25.47	7.95	8.35	33.42	41.77	Chillie	-	-	A.E.P	10.00	-	-	formation of commodity groups.	-	oil Engine Form Ponds P.T	3 6 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1097m 4 -	Fodder Cholam	0.3
2	Vilankulathur	47.35	11.56	14.72	58.91	73.63	Chillie	-	-	A.E.P	18.50	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - - -	Fodder Cholam	0.3
3	Valukkaikulam	32.40	6.48	9.81	38.88	48.69	Chillie	-	-	A.E.P	4.00	-	-	-	-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - - -	Fodder Cholam	0.3

4	Sampakulam	43.50	8.12	12.27	51.62	63.89	Chillie	-	-	A.E.P	4.00	-	-		-	oil Engine Form Ponds	1 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - - -	Fodder Cholam	0.3
5	Sathanoor	47.17	16.38	16.50	63.55	80.05	Chillie	-	-	A.E.P	19.00	-	-		-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	3000m - - - 3331m 4 -	Fodder Cholam	0.3
6	Puluthikulam	29.80	5.00	9.33	34.80	44.13	Chillie	-	-	A.E.P	10.00	-	-		-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - 40 - 4 -	Fodder Cholam	0.3
7	Mudukulathur	149.75	96.79	65.91	246.54	312.45	Chillie	-	-	A.E.P	75.50	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - 30m - 5 -	Fodder Cholam	0.3
-	**TOTTAL**	**375.44**	**152.28**	**136.89**	**527.72**	**664.61**	**Chillie**	-	-	**A.E.P**	**141.00**	-	-	-	-	**oil Engine Form Ponds P-T -**	**7 11 1**	-	-	**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**3000M - - 70m 4428m 17 -**	**Fodder Cholam**	**2.1**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Bogalur

Cluster - IX (THIRUVARANGAM)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Activities	Nos. /Ha.
1	Nilayambadi Tank	40.78	6.95	9.28	47.73	57.01	-	-	-	-	-	-	-	Drying yard , storage shed , ABC, Training to farmers , material supply and formation of commodity groups.	-	Springler Irrigation (Chillies)	2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1650m - 1 - 2750m 3 -	Fodder Cholam	0.3
2	Thiruvarangam	35.00	18.20	13.32	53.20	66.52	Chillie	-	-	A.E.P	20.00	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 4 -	Fodder Cholam	0.3
3	Kolundurai	34.85	8.73	11.54	43.58	55.12	Chillie	-	-	A.E.P	18.00	-	-		-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 1 1	Fodder Cholam	0.3
4	Pandi konmoi	17.96	14.34	8.24	32.30	40.54	-	-	-	-	-	-	-		-	Springler Irrigation (Chillies) oil Engine Form Ponds	1.00 2 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- 1 - - 3000m 3 -	Fodder Cholam	0.3

5	T.Karungulam	28.79	6.41	8.11	35.20	43.30	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 3505m 2 1	Fodder Cholam	0.3
-	**TOTAL**	**157.38**	**54.63**	**50.49**	**212.01**	**262.49**	-	-	-	-	-	-	-	-	-	**Springler Irrigation (Chillies) oil Engine Form Ponds**	**3.00** **2** **2**	-	-	**Desilting Channel** **Head sluices** **Cross masonry** **Protection wall** **Tank Bund** **Sluice Recon.** **Wier Recon.**	**1650m** **-** **1** **-** **9255m** **12** **2**	**Fodder Cholam**	**1.5**
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Bogalur

Cluster - X (ARIYAKUDI)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Activities	Nos. /Ha.
1	Ariyakudi	84.91	44.08	34.25	128.99	163.24	-	-	-	-	-	-	-	Drying Yard , Storage shed , ADC, Training to farmers , Material supply and formation of commodity groups.	-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	4150m - - - 3800m 2 -	Fodder Cholam	0.3
2	Keelakottai	31.66	16.00	11.59	47.65	59.24	-	-	-	-	-	-	-		-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1950m - - - 3109m 2 -	Fodder Cholam	0.3
3	A.Puthur	80.66	16.16	23.85	96.82	120.67	-	-	-	-	-	-	-		-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 3658m 2 1	Fodder Cholam	0.3

4	Keelambal	30.60	14.71	9.93	45.31	55.23														Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 2500m 1 -	Fodder Cholam	0.3
5	Semanur big tank	52.33	12.13	15.54	64.46	80.00											Springler Irrigation (Chillies) oil Engine Form Ponds	2.00 1 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1650m - - - 3050m 2 -	Fodder Cholam	0.3
6	Semanur small tank	22.75	10.16	8.58	32.91	41.49											Springler Irrigation (Chillies) oil Engine Form Ponds	1.00 1 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 2846m 1 -	Fodder Cholam	0.3
7	Inakkampiriyan	8.93	4.51	3.27	13.44	16.71											oil Engine Form Ponds	2 2			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	490m - - - 920m 1 -	Fodder Cholam	0.3
	TOTAL	**311.84**	**117.74**	**107.01**	**429.58**	**536.58**											**Springler Irrigation (Chillies) oil Engine Form Ponds**	**3.00 7 7**			**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**12995m 1 - - 19883m 11 1**	**Fodder Cholam**	**2.1**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Bogalur

Cluster - XI (THEYANUR)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.
1	Theeyanur	75.60	39.02	26.30	114.62	140.91								Drying Yard , Storage Shed , ADC, Training to farmers , Material supply and formation of commodity groups.		oil Engine Form Ponds	1 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	3000m - - - 2835m - -	Fodder Cholam	0.3
2	Urathur	34.60	4.70	10.11	39.30	49.41										Springler Irrigation (Chillies) oil Engine Form Ponds M.C.H	1.00 1 1 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1650m - - - 3658m - -	Fodder Cholam	0.3
3	Kavuthakudi	33.60	16.41	12.49	50.01	62.50										oil Engine Form Ponds	1 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - - -	Fodder Cholam	0.3

4	Anumaneri	34.65	10.36	10.64	45.01	55.65	-	-	-	-	-	-	-	-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	8440m 1 4 - 3040m 1 -	Fodder Cholam	0.3
5	Anaikudi	24.64	9.34	8.57	33.98	42.55	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 2000m - -	Fodder Cholam	0.3
6	Koraikulam	6.42	6.09	3.12	12.51	15.63	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1045m - -	Fodder Cholam	0.3
7	S.Kodikulam	41.95	28.15	18.00	70.10	88.10	-	-	-	-	-	-	-	-	Springler Irrigation (Chillies) M.C.H	2.00 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	3100m - - - 3114m 2 -	Fodder Cholam	0.3
8	Veppankulam	15.77	7.99	4.83	23.76	28.58	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 805m - -	Fodder Cholam	0.3

	TOTAL	**267.23**	**122.06**	**94.05**	**389.28**	**483.33**										**Springler Irrigation (Chillies) oil Engine Form Ponds M.C.H**	**3.00 4 4 2**			**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**16190m 1 4 - 16447m 3 -**	**Fodder Cholam**	**2.4**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Thiruppulani

Cluster - XII (UTHRAKOSAMANGAI)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.
1	Malangudi	63.69	30.92	21.90	94.60	116.50	-	-	-	-	-	-	-	Drying yard , storage shed , ABC,Training to farmers , material supply and formation of commodity groups.	-	Form Ponds	2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 3 -	Fodder Cholam	0.3
2	Kadambankudi	35.73	3.37	7.41	39.10	46.51	-	-	-	-	-	-	-		-	Form Ponds	1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1211m 1 -	Fodder Cholam	0.3
3	vadavalankulam	16.48	2.48	4.94	18.96	23.90	-	-	-	-	-	-	-		-	oil Engine Form Ponds	2 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1325m 2 -	Fodder Cholam	0.3

4	Pukkulam	18.99	13.67	8.56	32.65	41.21	-	-	-	-	-	-	-	-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	900m - - - 910m 1 -	Fodder Cholam	0.3
5	Kovilanchathan	18.30	2.74	5.18	21.04	26.22	-	-	-	-	-	-	-	-	oil Engine Form Ponds P.T.	2 3 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1900m 2 1	Fodder Cholam	0.3
6	Moonjan	23.06	12.28	7.13	35.34	42.47	-	-	-	-	-	-	-	-	oil Engine Form Ponds P.T.	2 3 1.	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	300m - - - 788m - -	Fodder Cholam	0.3
7	Sirunaungneri	12.49	3.68	4.71	16.16	20.87	-	-	-	-	-	-	-	-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 637m 2 -	Fodder Cholam	0.3
8	Uthirokosamangai	76.87	23.70	16.90	100.57	117.48	-	-	-	-	-	-	-	-	oil Engine Form Ponds M.C.H	4 4 1.	Form Pond Irr.Tank	1 1	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	9000 5 1 - - - -	Fodder Cholam	0.3

9	Melaseethai	33.46	7.59	7.11	41.05	48.16																Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - - -	Fodder Cholam	0.3
10	Panaikulam	28.23	4.68	4.89	32.91	37.80																Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - - -	Fodder Cholam	0.3
11	Nallankudi	42.43	2.12	9.89	44.55	54.44																Desilting ChannelHead sluicesCross masonryProtection wallTank BundSluice Recon.Wier Recon.	---- ---	Fodder Cholam	0.3
TOTAL		**369.72**	**107.21**	**98.61**	**476.93**	**575.55**											**oil Engine Form Ponds M.C.H P.T.**	**12 17 1 2**				**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**10200m 5 1 - 6771m 11 1**	**Fodder Cholam**	**3.3**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Thirppulani &kadaladi

Cluster - XIII (KALARI)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.
1	Mallal	96.75	15.32	29.93	112.07	142.00	-	-	-	-	-	-	-	Drying yard , storage shed , ABC, Training to farmers , material supply and formation of commodity groups.	-	Springler Irrigation (Chillies) oil Engine Form Ponds P-T - M.C.H. -	1.00 1 1 1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	5200m - - 50m 2713m 2 2	Fodder Cholam	0.3
2	Alangulam	62.77	10.14	20.14	72.91	93.05	-	-	-	-	-	-	-		-	oil Engine Form Ponds M.C.H	2 2 1.	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	m - - - 2860m 2 1.	Fodder Cholam	0.3
3	Nallirukkai	108.77	5.55	35.25	114.32	149.57	-	-	-	-	-	-	-		-	oil Engine Form Ponds P.T.	2 2 1.	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	700m - - - 3500m 2 2	Fodder Cholam	0.3

4	Panayadiendal	52.17	26.89	21.60	79.06	100.67	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	-m 2 1 - 3841m 2 -	Fodder Cholam	0.3
5	kalari	452.10	136.35	129.03	588.45	717.48	-	-	-	-	-	-	-	-	-	-	oil Engine Form Ponds M.C>H.	10 10 1.	Form Pond Irr.Tank	1 1	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	6680M 2 - - - - -	Fodder Cholam	0.3
6	Ervadi	30.12	10.01	13.07	40.13	53.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - - -	Fodder Cholam	0.3
7	Mayakulam	36.98	2.95	9.83	39.93	49.76	-	-	-	-	-	-	-	-	-	-	oil Engine Form Ponds	2 2.	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 2570m 2 -	Fodder Cholam	0.3
-	**TOTAL**	**839.66**	**207.20**	**258.85**	**1046.86**	**1305.72**	-	-	-	-	-	-	-	-	-	-	Springler Irrigation (Chillies) oil Engine Form Ponds P-T - M.C.H. -	1.00 17 17 2 3	-	-	**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**12580m 2 1 50m 15484m 10 5**	**Fodder Cholam**	**2.1**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Thiruppulani

Cluster - XIV (VELLA BIG)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos - /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Acti vities	Nos. /Ha.	Activities	Nos. /Ha.
1	Kothankulam	41.45	3.44	12.28	44.89	57.17	-	-	-	-	-	-	-	Drying yard , storage shed , ABC, Training to farmers , material supply and formation of commodity groups.	-	oil Engine Form Ponds P.T.	2 2 1.	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 1	Fodder Cholam	0.3
2	Pakkiripudhukkulam	30.06	1.23	11.70	31.29	42.99	-	-	-	-	-	-	-		-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	Fodder Cholam	0.3
3	Ekkakudi	40.82	29.34	32.25	70.16	102.41	-	-	-	-	-	-	-		-	oil Engine Form Ponds P.T.	2 3 1.	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	3800m - - - 2960m 3 -	Fodder Cholam	0.3

4	Kalakudi	21.12	2.43	5.63	23.55	29.18										Form Ponds	1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1650m - - - 1252m 2 -	Fodder Cholam	0.3
5	Deivachilai nallur	92.94	11.48	24.17	104.42	128.59										oil Engine Form Ponds	1 1			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	1400m - - - - 2 -	Fodder Cholam	0.3
6	Vella Big tank	106.81	8.10	24.38	114.91	139.29										oil Engine Form Ponds	6 6			Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 4650m 2 -	Fodder Cholam	0.3
	TOTAL	**333.20**	**56.02**	**110.41**	**389.22**	**499.63**										**oil Engine Form Ponds P.T.**	**12 14 2**			**Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.**	**6850m - - 8862m 13 1**	**Fodder Cholam**	**1.8**

CONVERGENCE TABLE

Name of the sub basin: Uthrakosamangaiyar Block: Thiruppulani & Ramanathapuram

Cluster - XV (VITHANUR)

S.No	Name of cluster villages	Total Ayacut area in Ha.			Total Area in Ha.			Agriculture		Horticulture		TNAU		Agrl.Mark.		AED		Fisheries		WRO		AHD	
		F1	P1	Gap area	WOP	WP	(Focus crop)	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos - /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.	Activities	Nos. /Ha.
1	Vaigai	38.55	0.00	12.76	38.55	51.31	-	-	-	-	-	-	-	Drying yard , storage shed , ABC, Training to farmers , material supply and formation of commodity groups.	-	-	-	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -	-	-
2	k.Kodikulam	29.14	3.35	7.25	32.49	39.74	-	-	-	-	-	-	-		-	oil Engine Form Ponds	2 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1586m 2 1	-	-
3	Vella small tank	27.96	3.59	6.25	31.55	37.80	-	-	-	-	-	-	-		-	oil Engine Form Ponds	1 1	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - 1600m 1 1	-	-

4	Vithanur	45.15	3.92	13.14	49.07	62.21	-	-	-	-	-	-	-	-	oil Engine Form Ponds	2 2	-	-	Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 1 -			-
5	Keelendal	37.13	0.76	6.85	37.89	44.74													Desilting Channel Head sluices Cross masonry Protection wall Tank Bund Sluice Recon. Wier Recon.	- - - - - 2 -			
TOTAL		**177.93**	**11.62**	**46.25**	**189.55**	**235.80**									**oil Engine Form Ponds**	**5** **5**			**Desilting Channel** **Head sluices** **Cross masonry** **Protection wall** **Tank Bund** **Sluice Recon.** **Wier Recon.**	- - - **3186m** **8** **2**			

1.2. HYDROLOGY

1.2.1. GENERAL:-

Uthrakosamangaiyar River is ephemeral one, which originate by the surplus course of 93 system tanks and 27 Non system tanks and also Raghunatha Cauvery channel of Gundar.

1.2.2. LOCATION:-

Uthrakosamangaiyar sub basin area is 636.23 sq.km. The Taluks covered in the sub basins are Paramakudi , Ramanathapuram ,Mudhukulathur , and Kadaladi of Ramanathapuram District.

Finally Uthrakosamangaiyar course drain in to the sea near Keellakkarai village. (Gulf of Mannar)

1.2.3. CATCHMENT AREA OF UTHRAKOSAMANGAIYAR SUB BASIN

The Uthrakosamangaiyar sub basin has a typical climate, owing to the full catchment area in plains . This sub basin enjoys the benefit of mostly North- East monsoon and slightly in summer season.

1.2.4. SOIL CLASSIFICATION:-

In this Sub basin , due to different stage , weathering and parent material , the soil types are met with in combination of vertisols , Inceptiols Alfisols. More prodominent type is vertisols

Inseptisol	Red (or) Brown (or) grey soils with surface horizon more deployed than sub surface , They are developing soils, moderately deep, coarse loamly to loam moderately drained to well drained	Suited for commonly grown crops with exceptions
Alfisols	The red (or) brown soils having accumulation of alleviated clay in sub surface horizon it well drained , poor water and nutrient holding capacity	Annual crop with shallow roots systems cum up wells
Vertisols	Block soil	Suitable for cotton, pulses etc

1.2.5. LAND USE PATTERN:

Sl.No	Land use Category	Percentage
1	Built up Land	0.55%
2	Crop Land	46 %
3	Barren &Uncultivated Land	28 %
4	Alkalinity / Salinity	11%
5	Other Fallow lands	14.45%

1.2.6. Hydro meteorology:-

The Hydro meteorology parameters include rainfall, temperature , humidity , wind velocity , evaporation and duration of sun shine which determine the climate of the sub basin.

1.2.7. RAINFALL:-

Average annual rainfall of gauging stations influencing this sub basin area as follows

Sl.No	Name of Rain Gauge station	North east monsoon (mm.)	Winter (mm.)	Summer (mm.)	South-West monsoon (mm.)	Annual (mm.)
1	Morekulam	589	63	112	70	834
2	Mudhukulathur	417	42	104	148	711
3	Paramakudi	399	37	96	182	714
4	Ramanathapuram	486	49	91	91	717
Total Average		473	48	101	123	745

a) Climate:- The Uthrakosamangaiyar sub basin lies in a low rainfall belt having an annual average rainfall of 745mm.South West monsoon contribute 123mm , while north east monsoon contribute 473 mm. This sub basin receives a major share of its rainfall

during North East monsoon. This monsoon helps to buildup storage in both the system and non- system tanks. The system tanks are also contributed by supplemental supply of 30% of their capacity from the Vaigai Reservoir whenever the storage credit is in full. For the measurement of Hydro meteorological parameters in the basin area , there is one weather station at kavalur and its data is taken for the study.

b) Land holdings:-

The details of farm holding and size classes prevalent in Uthrakosamangaiyar sub basin area given below.

Sl.No	Category	Size of Holding	Numbers	Percentage
1	Marginal	Below 1.00 ha.	4162	29%
2	Small	1.00-2.00 Ha.	7551	54%
3	Medium	2.00- 5.00 Ha.	2008	14%
4	Big	5.00ha. & above	392	3%
		TOTAL		100

Above table revealed that the small and marginal farmers form a bulk of 83 % in land holding in the sub basin . Development initiatives will need to take this fact into account.

1.2.8. DEMOGRAPHY:-

Name of Sub basin	Name of Blocks	Total no of Villages	Population in Million		
			2005	2010	2025
Uthrakosamangaiyar	Part of Paramakudi, Mudukulathur, Bogalur, Thiruppulani and Kadaladi blocks	88	0.144	0.154	0.182

Male :- 48 % Female:- 52%

Urban :- 2% Rural :- 98%

1.2.9. CROPPING PATTERN OF UTHRAKOSAMANGAIYAR SUB BASIN

CROPPING PATTERN

Name of the sub Basin	**: Uthirakosamangai**	Fully Irrigated	:	5694.43	Ha
	:	Partially			
District	Ramanathapuram	Irrigated	:	1564.75	Ha
Registered Ayacut Area	: 8955.36 Ha	Gap	:	1696.18	Ha
		Total Ayacut Area	:	**8955.36**	Ha

S.No.	Crop	Without Project				With Project				Increas-ing
		FI	PI	RF/G	TOTAL	FI	PI	RF/G	TOTAL	
I	**Perennial crop**									
1	Coconut	0.10	-	-	0.10	0.10	-	-	0.10	0.00
2	Green Fodder	-	-	-	0.00	1.00	-	-	1.00	1.00
	Total	**0.10**	**0.00**	**0.00**	**0.10**	**1.10**	**0.00**	**0.00**	**1.10**	1.00
II	**Annual Crop**									
1	Sugarcane	28.52	10.42	-	38.94	51.10	-	-	51.10	12.16
2	Banana	0.00	1.90	-	1.90	13.25	-	-	13.25	11.35
	Total	**28.52**	**12.32**	**0.00**	**40.84**	**64.35**	**0.00**	**0.00**	**64.35**	23.51
III	**1st crop**									
1. a	Paddy	4659.09	1058.22	-	5717.31	4735.38	-	-	4735.38	-981.93
b	Paddy - SRI	-	-	-	0.00	450.00	-	-	450.00	450.00
2	Cotton	111.69	59.89	-	171.58	196.98	-	-	196.98	25.40
3	Maize	12.16	9.88	-	22.04	290.00	-	-	290.00	267.96
4	Groundnut	-	-	-	0.00	150.00	-	-	150.00	150.00
5	Pulses	-	0.77	-	0.77	200.00	-	-	200.00	199.23
6	Gingelly	-	-	-	0.00	0.00	-	-	0.00	0.00
7	Ragi	-	-	-	0.00	0.00	-	-	0.00	0.00
8	Chillies	882.87	423.67	-	1306.54	2051.00	-	-	2051.00	744.46
9	Bhendi	-	-	-	0.00	70.00	-	-	70.00	70.00
10	Brinjal	-	-	-	0.00	36.00	-	-	36.00	36.00
11	Tomato	-	-	-	0.00	36.00	-	-	36.00	36.00
12	Fodder Cholam	-	-	-	0.00	30.00	-	-	30.00	30.00
13	Prosophis	-	-	644.55	644.55	-	-	644.55	644.55	0.00
14	Fallow	-	-	1051.63	1051.63	-	-	-	0.00	-1051.63
	Total	**5665.81**	**1552.43**	**1696.18**	**8914.42**	**8245.36**	**0.00**	**644.55**	**8889.91**	-24.51
	Grand Total (I+II+III)	**5694.43**	**1564.75**	**1696.18**	**8955.36**	**8310.81**	**0.00**	**644.55**	**8955.36**	0.00
IV	**2 nd crop**									
1	Pulses (Rice fallow)	-	-	-	0.00	675.00	-	-	675.00	675.00
	Total	**0.00**	**0.00**	**0.00**	**0.00**	**675.00**	**0.00**	**0.00**	**675.00**	675.00
	Great Grand Total	**5694.43**	**1564.75**	**1696.18**	**8955.36**	**8985.81**	**0.00**	**644.55**	**9630.36**	675.00
	Cropping Intensity				**81.06%**				**100.34%**	

1.2.10. LIVE STOCK POPULATION

Name of sub basin	Cattle	Buffalo	sheep	Goat	Pigs	Dogs	Fowls	Others
Uthrakosamangaiyar Sub basin	25430	3883	28936	20676	1243	2245	37969	859
Annual Requirement	4.81 .Cum.							

1.2.11. INDUSTRIES AND ANNUAL WATER DEMAND IN M.CUM.

Name of sub basin	Medium Industries			Small Industries			Water Demand (M.cum.)		
	2004	2010	2025	2008	2015	2025	2008	2015	2025
Utharakosamangaiyar Sub basin	1	2	3	138	184	315	1.19	1.57	2.58

1.2.12. CROP WATER REQUIREMENT (WITHOUT PROJECT)

Sl.No	Name Of Crop	Extent Ha.	Crop Water requirement		Irrigation water Efficiency			Total Irrigation requirement M.Cum.
			mm.	M.Cum.	Surface 0.53	Drip 0.80	Sprintler 0.70	
I	**Perennial crops**							
1	Coconut	0.10	829	0.00	0.00			0.00
2	Green fodder	0.00	150	0.00	0.00			0.00
	Sub Total	**0.10**	**979**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
II	**Annunal Crops:-**							
1	Sugar cane	38.94	1002	0.39	0.74			0.74
2	Banana	1.90	873	0.02	0.03			0.03
	Sub Total	**40.84**	**1875**	**0.41**	**0.77**	**0.00**	**0.00**	**0.77**
III	**FIRST CROP (Sep – Jan)**							
1	Paddy	5717.31	601	34.36	64.83			64.83
	Paddy - Sri							
2	Chilies	1306.54	656	8.57	16.17			16.17
3	Cotton	171.58	486	0.83	1.57			1.57

4	Maize	22.04	329	0.07	0.14			0.14
5	Tomato	0.00		0.00	0.00			0.00
6	Brinjal	0.00		0.00	0.00			0.00
7	Bhendhi	0.00		0.00	0.00			0.00
8	Ground nut	0.00	566	0.00	0.00			0.00
9	Pulses	0.77	284	0.00	0.00			0.00
10	Fodder cholam			0.00	0.00			0.00
11	Prosophis	644.55	290	1.87	1.87			1.87
12	Fallow / Gap	1051.63		0.00	0.00			0.00
	Sub Total	**8914.42**		**45.71**	**84.59**	**0.00**	**0.00**	**84.59**
IV	**Second crop** (Feb – may) ---- NIL ----							
	Total	0.00	0.00		0.00			
	Grand Total	**8955.36**		**46.12**	**85.36**	**0.00**	**0.00**	**85.36**

Water Potential

Surface water Potential (M.cum) :- 60.87

Ground water Potential (M.cum) :- 63.59

Total Potential (M.cum) :- 124.46

Water Demand (Without Project)

Domestic(M.cum) :- 2.34

Livestock(M.cum) :- 4.81

Industrial(M.cum) :- 2.08

Irrigation WRO :- 85.36

Irrigation PU :- 16.14

Total Water Demand (M.cum) :- 110.73

Water Balance(M.cum) :- 13.73*

* This surplus is due to non possibility of utilizing the ground water potential for the ayacut area lying near by the coastal area

1.2.13. CROP WATER REQUIREMENT (WITH PROJECT)

Sl.No	Name Of Crop	Extent Ha.	Crop Water requirement		Irrigation water Efficiency			Total Irrigation requirement M.Cum.
			mm.	M.Cum.	Surface 0.63	Drip 0.80	Sprintler 0.70	
I	**Perennial crops**							
1	Coconut	0.10	829	0.00	0.00			0.00
2	Green fodder	1.00	150	0.00	0.00			0.00
	Sub Total	**1.10**	**979**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
II	**Annunal Crops:-**							
1	Sugar cane							
a)	With Drip							
b)	Without Drip	38.94	1002	0.39	0.62			0.62
2	Banana	1.90	873	0.02	0.03			0.03
	Sub Total	**40.84**	**1875**	**0.41**	**0.65**	**0.00**	**0.00**	**0.65**
III	**FIRST CROP (Sep – Jan)**							
1	Paddy	5148.75	601	30.94	49.12			49.12
	Paddy - SRI	325.00	601	1.95	3.10			3.10
2	Chilies							
a)	With Drip	14.00	656	0.09		0.11		0.11
b)	Without Drip	1944.54	656	12.76	20.25			20.25
3	Cotton	171.58	486	0.83	1.32			1.32
4	Maize	300.00	329	0.99	1.57			1.57
5	Tomato							
a)	With Drip							
b)	Without Drip	30.00	275	0.08	0.13			0.13
6	Brinjal							
a)	With Drip							
b)	Without Drip	60.00	275	0.17	0.26			0.26
7	Bhendhi							
a)	With Drip							
b)	Without Drip	30.00	275	0.08	0.13			0.13
8	Ground nut	0.00	566	0.00	0.00			0.00

9	Pulses	200.00	284	0.57	0.90			0.90
10	Fodder cholam	45.00	290	0.13	0.21			0.21
11	Prosophis	644.55	290	1.87	1.87			1.87
12	Fallow / Gap			0.00	0.00			0.00
	Sub Total	**8913.42**		**50.46**	**78.86**	**0.11**	**0.00**	**78.97**
IV	**Second crop** (Feb – may)							
	Pulses (Raise fallow)	650	284	1.85	2.94			2.94
	Total	650	284.00	1.85	2.94			2.94
	Grand Total	**9605.36**		**52.72**	**82.45**	**0.11**	**0.00**	**82.56**

Water Potential

Surface water Potential (M.cum) :- 60.87

Ground water Potential (M.cum) :- 63.59

Total Potential (M.cum) :- 124.46

Water Demand (With Project)

Domestic(M.cum) :- 2.34

Livestock(M.cum) :- 4.81

Industrial(M.cum) :- 2.08

Irrigation WRO :- 82.54

Irrigation PU :- 15.17

Total Water Demand (M.cum) :- 106.96

Water Balance(M.cum) :- 17.50 (Surplus) *

* This surplus is due to non possibility of utilizing the ground water potential for the ayacut area lying near by the coastal area

1.3. HYDRAULICS OF THE COMPONENT

HYDRAULIC PARTICULARS

a) ANICUT

SL.NO	Name of Anicut	Village	Ayacut	Length of anicut (M)	Crest levelof Anicut (M)	Front (M)	Free Sq.km.	Combined sq.km.	Maximum flood discharge Cumecs / Cusecs	Head Sluices	Vent (M)	Sill level sluice (M)	Dicharge cumecs	Supply Channel					Remarks
														Length (m)	Bed with (M)	FSD (M)	Bed Slope	Sluice	
				---------- NIL ----------															

b) TANKS (System Tank)

Sl no	District	Taluk	Name of Tank	Ayacut in (ha)	Capacity in M.cft	Number of Filling	Catchment Area		Water Spread Area In M.Sqft	F T L m	MWL m	No of Sluice	Weir		Discharge Capacity C/S	Length of Bund in metres	Length of Supply channel (M)	Upper Tank	Lower Tank
							Free M.sq.Km	Combined M.Sq.Km					Nos	Length				-	-
1	2	3	4	5	6	-	7	8	9	10	11	12	13	14	15	16	-	-	-
1	Ramanathapuram	Paramakudi	Vengalure Tank	127.87	38.24	2.00	1.26	3.60	14.34	15.550	16.150	3	1	18.90	995.00	3444	2500	-	-
2			Urakudi Small tank	20.22	2.47	2.00	0.20	0.20	1.20	49.800	50.400	1	1	4.00	128.40	510	-	Urakudi Big	Melakodumalur
3			Urakudi Big tank	162.42	49.72	2.00	1.79	5.11	6.88	49.000	49.600	4	1	38.15	1257.00	3120	3510	-	-
4			Athiendal Tank	23.07	9.41	1.25	0.50	1.44	3.83	10.000	10.600	3	1	18.00	540.00	1600	480	-	Madanthai
5			Sangakottai Tank	30.57	12.08	1.25	0.22	0.63	5.26	10.000	10.600	3	1	7.00	310.00	1100	1150	-	Nallukurichi
6			Madanthai Tank	70.98	17.54	2.00	1.15	1.65	5.88	46.000	46.600	3	1	19.20	594.09	2652	1530	Athiendal	Padayanendal
7			Padayanendal Tank	15.16	4.58	1.25	0.46	1.33	2.00	10.000	10.600	3	1	17.00	512.00	1175	0	Madanthai	Tholur
8			Kandakulam Tank	15.25	6.25	1.25	0.02	0.05	2.72	10.000	10.600	1	1	2.00	60.00	1100	600	-	Keelakodumalur
9			M.Nedungulam Tank	104.62	13.63	2.00	0.83	1.06	27.60	19.510	20.110	5	1	20.35	440.68	2360	1300	-	Keelakodumalur
10			Valangudi Tank	21.20	8.53	1.25	0.22	0.62	3.71	10.000	10.600	3	1	10.30	309.60	1900	250	-	Keelakodumalur
11			Kamudhakudi Tank	315.69	64.76	2.00	1.65	1.93	25.07	49.100	49.700	4	1	21.50	656.00	4180	2100	-	Urakudi
12			Andakudi Tank	43.10	8.50	2.00	0.56	1.08	5.11	12.800	13.400	4	1	15.00	446.00	2271	2050	-	Melayakudi
13			Kulavipatti Tank	43.11	15.35	2.00	0.28	0.80	5.55	15.700	16.300	3	1	12.00	366.00	2500	1400	-	Vilathur

14			Melayakudi Tank	213.66	131.78	2.00	1.95	3.11	27.60	30.500	31.100	4	1	14.60	434.00	4390	3300	Andakudi	Venkatankurichi
15			Nandupatti Tank	34.15	9.52	1.25	0.10	0.27	4.15	10.000	10.600	3	1	6.00	178.00	1700	0	-	Vilathur
16			Vilathur Tank	125.63	36.68	2.00	1.00	1.18	13.18	43.050	43.650	3	1	15.60	473.00	3110	2900	Nandupatti	Kanjiendal
17			Tholur Tank	68.21	37.27	2.00	0.86	5.23	20.22	43.200	43.800	3	1	-	693.30	3750	2500	Padayanendal	Nallukurichi
18			Kanjiendal Tank	47.86	6.53	2.00	0.74	0.90	4.63	41.000	41.600	4	1	30.00	902.00	2500	550	-	Thadankini
19			S.Kavanoor Tank	73.57	25.20	2.00	1.74	1.92	10.62	39.000	39.600	1	1	55.20	1688.00	3480	2300	-	Pamboor
20			Thenpoduvakkudi Tank	67.83	12.98	2.00	1.22	2.16	5.56	39.350	39.950	3	1	33.70	708.00	3400	2400	Thadamnkini	Thalaikal
21			Pamboor Tank	100.09	49.70	2.00	3.20	9.15	18.13	30.200	30.800	3	1	62.00	1854.00	3654	1200	S.Kavanoor	-
22	Ramanathapuram	Paramakudi	Thalaikal Tank	20.06	8.27	1.25	0.76	2.16	3.60	10.000	10.600	3	1	23.50	708.00	1770	200	-	Sampakulam
23			Udaikulam Tank	17.40	12.48	1.25	0.08	0.24	5.44	10.000	10.600	3	1	5.00	162.00	1660	900	-	-
24			Poduvakudi Tank	84.68	12.74	2.00	0.65	1.63	6.37	11.130	11.730	3	1	19.20	586.00	2134	2450	-	Andakudi
25			Venkatankurichi Tank	121.50	1.14	2.00	2.42	14.36	19.31	29.500	30.100	5	1	9.70	298.00	4538	10800	Vendoni	Sellur
26			Pambuvilundan Tank	52.08	0.30	2.00	0.54	0.73	0.49	15.240	15.840	3	1	11.30	343.00	2042	970	-	Venkatankurichi
27			Sundanendal Tank	37.48	15.85	2.00	0.14	0.41	6.90	10.000	10.600	2	1	7.50	232.00	1950	1000	-	Venkatankurichi
28			Thelichathanallur Tank	65.46	16.10	2.00	0.56	45.97	6.33	30.400	31.000	3	1	210.00	5438.00	2100	2450	-	Venkatankurichi
29			Kattu Paramakudi Tank	119.61	59.00	2.00	1.63	2.94	19.67	50.000	50.600	5	1	43.00	1282.00	3292	1500	-	Venkatankurichi
30			vendoni Tank	198.34	36.90	2.00	1.29	3.69	18.46	14.400	15.000	5	2	34.50	1011.07	4530	600	-	-
31			K.Karungulam Tank	42.46	19.55	2.00	0.50	1.42	8.51	50.000	50.600	2	1	17.50	536.00	2900	1000	-	-
32			Vagaikulam Tank	15.94	7.33	1.25	3.02	8.62	3.20	10.000	10.600	3	1	23.50	723.40	920	0	-	-

33			Nilayambadi Tank	57.00	12.25	2.00	0.82	2.34	4.73	50.000	50.600	3	2	24.5	746.3	2750	1650	-	-
34			Keelakottai	59.240	12.46	2.00	0.75	0.75	5.75	15.100	15.500	4	1	18.29	430.20	3109	1950	T.Karunkulam	Ariyakudi
35			Ariyakudi	163.240	31.65	2.00	1.65	1.65	12.85	15.200	15.800	6	1	20.73	1000.00	3800	4150	Keelakottai	semanur
36			Seemanur big	80.000	17.15	2.00	2.45	3.61	4.73	20.000	20.600	6	1	64.00	1980.00	3050	1650	A.Puthur	Semanur small
37			Semanur small	41.490	12.59	2.00	3.02	3.02	4.72	18.900	19.500	3	1	30.48	943.00	2846	0	Semanur big	S.Kodikulam
38			S.kodikulam	88.100	8.13	2.00	1.88	3.88	9.89	14.200	14.800	4	1	32.33	163.00	3114	3100	Semanur	Urathur
39			Urathur	49.410	6.72	2.00	0.72	4.63	16.50	15.200	15.800	4	1	36.58	1141.03	3658	1650	Kodikulam	Malangudi
40			Theeyanur	140.910	25.26	2.00	2.68	2.68	16.02	33.100	33.700	3	1	3nos of 1.50	366.50	2835	3000	Muthodai	Ettivayal
41			Kavuthakudi	62.500	40.60	2.00	0.81	0.81	44.13	14.900	15.500	4	1	13.11	406.00	2560	-	Kadankulam Inakkampriyan	Urathur
42			Inakkam priyan	16.710	5.85	1.18	0.24	0.38	0.30	15.233	15.833	3	1	10.60	73.45	920	490	Kalari channel	Urathur
43			Koraikulam	15.630	3.22	2.00	0.26	0.41	0.40	15.000	15.600	4	1	19.70	136.51	1045	1420	Kunathukal	Malangudi
44			Vepankulam	28.580	5.88	2.00	0.16	0.25	0.60	14.700	15.300	4	1	6.60	45.73	805	525	Kavuthakudi	Vadavalangulam , Karukkandhai
45	Ramanathapuram	Muthukulathur	Keelakodumalur Tank	76.88	21.77	1.46	0.85	2.42	10.22	14.320	14.920	5	1	24.70	763.83	3627	1370	-	Vikirapandiyapuram
46			Nallukurichi Tank	107.96	23.13	1.52	0.82	2.35	13.90	29.400	30.000	6	1	25.00	748.40	3513	2610	-	Vikirapandiyapuram
47			Vikkirapandiyapuram Tank	39.43	16.00	1.25	1.21	3.45	6.97	10.000	10.600	5	1	32.00	968.45	2660	3500	Nallukurichi	-

48			Sellur Tank	206.71	30.28	2.00	2.32	6.63	15.14	29.570	30.170	2	1	50.30	1496.00	4877	11000	Venkatankurichi	-
49			Pulikulam Tank	66.17	14.16	2.00	0.40	0.75	4.35	23.770	24.370	6	1	21.28	349.00	3353	800	-	Melakodumal;ur
50			Thiruvakki Tank	28.44	12.55	1.25	0.81	2.33	5.47	10.000	10.600	1	1	24.50	744.20	1850	550	Venkalakurichi	Keela Panaiyadiendal
51			Paranthan Tank	16.33	6.18	1.25	0.08	0.23	2.70	10.000	10.600	2	1	4.50	158.00	1450	0	-	-
52			Surankulam Tank	15.96	4.67	1.25	0.09	0.27	2.03	10.000	10.600	2	1	6.00	176.50	1775	900	-	Erumaipatti
53			Erumaipatti Tank	15.44	6.92	1.25	0.11	0.32	3.00	10.000	10.600	2	1	6.50	198.00	1450	500	Soorangulam	Ponnakkaraiendal
54			Keelapanaiyadiendal Tank	28.09	10.29	1.25	0.17	0.49	4.48	10.000	10.600	3	1	8.50	263.80	2050	300	Thiruvakki	Kakkkur
55			Veneervoikkal Tank	47.28	13.20	1.25	0.57	1.64	5.75	10.000	10.600	3	1	20.00	588.60	1900	0	-	-
56			Keelakanniseri Tank	14.50	13.14	1.25	0.21	0.60	5.72	10.000	10.600	2	1	10.00	302.68	1600	150	-	-
57			Vengalankurichi Tank	95.92	36.76	2.00	0.55	1.57	11.90	30.500	31.100	7	1	18.90	573.00	3490	2150	-	Kakkur
58			Neerkundram Tank	17.11	7.22	1.25	0.30	0.86	3.14	-	0.600	2	1	9.00	383.20	1114	500	Posukudi	-
59			Vadapuliyankudi Tank	52.30	38.30	1.50	0.49	1.41	19.17	14.330	14.930	2	1	17.50	533.00	1500	0	Posukudi	-
60			Puliyankudi Tank	117.70	35.42	2.00	1.39	3.96	12.72	25.000	25.600	3	1	49.50	1061.00	3084	4750	-	Kakkur
61			Posukudi Tank	61.87	12.67	2.00	0.56	1.75	7.45	15.400	16.000	4	1	18.30	554.00	2155	600	-	Puliyangudi'
62			Athanakurichi Tank	32.22	10.65	1.25	1.33	3.81	4.64	10.000	10.600	3	1	34.30	1033.65	2500	0	-	-
63			Kakkur Tank	226.03	68.41	2.00	2.82	3.65	2.54	26.210	26.810	5	1	70.00	2317.26	5120	8000	Puliyangudi	-
64			Magindi Tank	46.91	11.54	2.00	2.65	7.56	5.48	14.630	15.230	5	1	56.00	1633.00	3109	1900	-	Alankanur
65			Alankannur Tank	80.50	20.09	2.00	2.40	11.40	10.99	29.870	30.470	4	1	61.00	1816.00	2743	700	Magundi	Pirabakkalur
66			Pirabakkulur Tank	41.19	15.86	1.25	1.63	4.66	6.90	10.000	10.600	3	1	39.50	1183.00	1600	1600	Ponnakkaraiendal	Ulaiyur

67			Meesal Tank	28.07	14.60	1.25	0.18	0.50	6.35	10.000	10.600	4	1	9.15	268.00	1800	900	Alanganur	-
68			Pokkanarendal Tank	19.39	6.50	1.25	0.42	1.21	2.83	10.000	10.600	2	1	16.25	482.00	2100	0	Kodarendal	Valanadu
69			Ponnakkaneri Tank	31.51	12.55	1.25	0.07	0.21	5.47	10.000	10.600	3	1	5.20	148.00	1050	650	-	Valanadu
70			Ulaiyur Tank	62.66	12.10	2.00	1.60	7.57	5.52	30.020	30.620	4	1	32.50	962.00	2286	1900	Pirabakkalur	-
71			Kodarendal Tank	23.97	6.84	1.25	0.25	0.73	2.98	10.000	10.600	3	1	11.30	342.80	1700	300	Pirabakkalur	Pokkanarendal
72			Ponnakkaraiendal Tank	11.45	4.65	1.25	0.12	0.33	2.00	10.000	10.600	2	1	6.50	202.00	1050	650	Alanganur	Pirabakkalur
73			Valanadu Tank	119.81	60.10	1.50	9.24	26.46	25.80	13.260	13.860	5	1	38.00	1146.00	5800	-	Ponnakkaneri	-
74			Kumaranendal Tank	54.82	28.78	1.25	1.98	3.10	15.70	14.330	14.930	4	1	27.40	865.44	4602	0	-	Keelakodumalur
75	Ramanathapuram	Ramanathapuram	Uthirakosamangai	117.48	59.84	1.40	1.40	1.25	1.66	15.390	15.990	8	1	15.24m,1vent of 2.00x1.50m	918.08	4054	2100	Moonjan, Kalarichannel	deivachilainallur
76			Kalari	717.48	294.93	1.21	21.00	19.17	9.27	7.620	8.080	10	3	12.5,320,5vents	4183.00	10913	24215	Kalari channel, Regunathacauvery	sea
77			Malankudi	116.50	29.51	1.60	3.11	31.26	1.30	15.240	15.840	5	1	34.44	880.00	4267	2400	Koraikulam, Urathur, Anumanerikalaricchannel	Kalarichannel
78			Kovilanchathan	26.22	5.77	2.00	0.29	0.46	0.57	10.000	10.600	5	1	3.00	20.79	1900	-	Kalarichannel	Moonjan
79			Moonjan	42.47	3.06	5.72	0.15	0.24	0.39	10.000	10.600	5	1	5.20	36.03	788	300	Kovilanchathan, kalari channel	uthirokosamangai
80			Sirunaguneri	20.87	4.73	1.98	0.24	0.38	0.36	10.000	10.600	3	1	5.00	34.65	637	560	Kalarichannel	Kalari channel
81			Vadavalankulam	23.90	4.83	2.04	0.24	0.39	0.68	10.000	10.600	4	1	7.50	51.97	1325	700	veppankulam, kalarichannel	Kalari channel

82			Kalakudi	29.18	4.78	2.51	0.24	0.38	1.05	10.000	10.600	5	1	13.20	91.47	1252	1650	Kudaveli, Kalarichannel	Deivachilainallur
83			Kadambankudi	46.51	15.83	1.21	0.79	1.27	0.64	10.000	10.600	4	1	7.90	54.74	1211	_	Kalarichannel	kalari channel
84			Pukkulam	41.21	6.52	2.60	0.33	0.52	0.48	10.000	10.600	4	1	3.20	22.17	910	900	Kalarichannel	nallankudi
85			Nallankudi	54.44	11.00	2.10	4.37	18.66	0.48	15.240	15.840	6	2	6.10, 10.00	494.00	2804	2400	panaikulam, pukkulam	ekkakudi,arukudi
86			Panaikulam	37.80	9.66	1.50	1.30	3.60	0.67	14.630	15.250	5	1	16.00	499.80	2652	1600	Pooseri ,Kalari channel	Nallankudi
87			Melaseethai	48.16	4.46	6.90	2.93	28.84	0.13	20.000	20.600	5	1	8.00	268.00	2600	700	Kalarichannel	Kalari channel,
88			Pakkiriputhukulam	42.990	9.46	2.00	_	4.09	0.44	20.000	20.600	3	1	22.00	1608.50	2300.00	_	Ekkakudi	Kothankulam
89			Ekkakudi	102.410	20.85	2.00	2.61	11.38	1.68	10.000	10.600	4	1	42.00	1299.00	2960.00	3800	L.Karunkulam, Nallankudi	Pakkiriputhukulam
90			Deivachilainallur	128.590	10.56	5.00	1.04	1.04	3.45	20.000	20.600	12	1	30.50	948.00	1750.00	1400	Uthiragosamangai	Vella Big Tank
91			Vella Big Tank	139.290	48.44	2.80	6.20	17.20	1.52	15.250	15.850	6	1	28.36	1076.54	4650.00	_	Deivachilainallur	_
92			K.Kodikulam	39.740	2.08	2.90	1.30	_	0.28	15.250	15.850	4	1	7.90	245.18	1586.00	_	Kathakulam	Vithanur
93			Vella small	37.800	1.95	_	_	_	_	15.250	15.850	2	1	5.00	_	1600.00	_	Vella Big	_

B TANKS (Non - System Tanks

Sl no	Name of District	Name of Taluk	Name of Tank	Ayacut in (ha)	Capacity in M.cft	Number of Filling	Catchment Area		Water Spread Area In M.Sqft	F T L m	MWL m	No of Sluice	Weir		Discharge Capacity C/S	Length of Bund in metres	Length of Supply channel (M)	Upper Tank	Lower Tank
							Free M.sq.Km	Combined M.Sq.Km					Nos	Length				-	-
1	2	3	4	5	6	-	7	8	9	10	11	12	13	14	15	16	-	-	-
1	Ramanathapuram	Paramakudi	Kalaiyur Small Tank	65.77	27.32	2.00	1.75	5.00	11.90	15.000	15.600	3	1	40.00	1239.00	3720	0	Ariyanendal	-
2			T.Karungulam	43.30	104.31	2.00	1.08	1.08	8.50	15.200	15.800	5	1	38.10	1170.00	3505	-	Ilanthaikulam	Puthur. Keelambal
3			Pandi konmoi	40.54	20.60	2.00	0.80	12.90	12.20	8.000	8.600	3	1	-	2054.00	3000	-	Nilayambadi	Oyyanendal
4			A.Puthur	120.67	30.00	2.00	2.37	2.37	30.00	14.300	14.900	4	1	176.78	3250.00	3658	-	Kodunthurai, Karunkulam	Senkakai
5			Anumaneri	55.65	11.50	2.00	2.81	2.81	4.20	14.400	15.000	4	1	31.00	640.00	3040	-	Semanur small	Malangudi
6			Keelambal	55.23	10.75	2.00	1.36	1.36	4.42	30.200	30.800	6	1	54.86	1680.00	2500	-	Nedunkulam	Puthur
7			Anaikudi	42.55	11.05	2.00	0.70	1.00	4.50	15.000	15.600	4	1	55.00	1697.00	2000	-	Ettivayal	Karungulam
8		Kadaladi	Ervadi	53.20	0.80	1.00	8.42	8.42	1.40	4.600	5.200	5	1	24.40	27.96	3720	-	-	-
9		Mudhukulathur	Muthukulathur Tank	312.45	161.30	1.00	5.08	5.08	13.20	28.350	28.950	6	1	42.35	705.00	9555	-	Keelakanjirankulam	-
10			Nochikulam Tank	40.00	10.87	1.50	0.44	1.28	3.58	48.600	49.200	3	1	11.60	360.60	2250	-	-	-

11			Valukkaikulam Tank	48.67	9.04	1.60	0.30	2.85	0.22	49.200	49.800	5	1	10.30	312.99	2160	-	-	-
12			Vilangulathur Tank	73.63	15.90	1.25	1.42	5.62	9.93	18.240	18.840	4	1	47.80	1212.75	2408	-	-	-
13			Thadangani Tank	41.77	9.35	2.20	0.62	2.75	3.45	29.850	30.450	4	1	34.15	752.40	1097	-	Sirukudi	Kanjithaliendal
14			Puluthikulam Tank	44.13	21.12	2.00	1.10	13.40	8.11	30.500	31.100	4	1	34.45	206.30	2743	-	sathanur	Polikal
15			Sathanur Tank	80.05	22.76	3.00	9.32	13.86	11.90	29.570	30.170	6	1	39.60	1215.08	3331	-	-	Pulithikulam
16			Sambakulam Tank	63.89	28.05	2.00	1.50	3.30	9.93	14.980	15.580	5	1	24.40	927.20	2697	-	-	Keelathuval
17			Thiruvarangam Tank	66.52	19.43	1.84	1.73	1.73	9.36	49.300	49.900	4	1	14.70	558.00	3360	-	-	Alanganur
18			Kolundarai Tank	55.12	6.20	2.00	1.24	3.54	2.70	14.630	15.230	2	1	27.70	985.00	3110	-	-	-
19		Ramanathapuram	Mallal	142.00	26.00	2.40	1.30	1.30	1.21	15.200	15.800	6	2	52. 40 , 3vents of 1x2.70	1873.08	2713	2800	Mattiraenthal, regunathacauvery	kalarichannel, alankulam
20			Alangulam	93.05	15.77	2.60	5.18	0.00	0.76	15.100	15.700	5	1	44.40	1608.50	2860	2840	mallal, Regunathacauvery	nallirukkai
21			Nallirukkai	149.57	15.77	4.00	8.03	13.73	0.71	15.200	15.700	8	2	24.00, 5 no of 1.50x1.50	1376.00	4267	700	Alangulam, Regunathacauvery	Kalari
22			Mayakulam	49.76	5.55	1.30	7.18	_	0.32	9.700	10.300	3	1	18.00	345.60	2570	_	Pulandai	Kombuthi
23			Kothankulam	57.17	12.62	2.20	1.3	_	0.6	14.940	15.540	6	1	5.00	348.44	2196	_	Pakkiriputhukulam	Vannikudi
24			Vaigai	51.31	10.29	1.73	2.79	4.35	0.73	14.030	14.630	6	1	20.75	641.00	2652	_	_	_
25			Vithanur	62.21	9.73	1.60	3.47	5.28	0.68	15.250	15.850	4	1	21.35	660.00	2669	_	K.Kodikulam	Urathur
26			Keelandal	44.74	0.63	4.10	1.94	_	_	9.800	10.400	5	1	3.00	93.67	600	_	Kalari	_
27			Panayadiendal	100.67	15.77	2.60	3.63	0.00	0.90	15.200	15.800	4	1	9.14	741.00	3841	3000	Kadambodai	Kalari
			TOTAL	**2053.62**														

C).SUPPLY CHANNELS HAVING DIRECT AYACUT

Sl.no	Name of Main channels (or) Branch Channels	Start point		End Point		Total Length M	Bed With M	F.S.D M	Side Slope	Bed Slope	Design Discharge C / S	Remarks
		Loacation (L.S)	Sill level m	Loacation (L.S)	Sill level m							
1	2	3	4	5	6	7	8	9	10	11	12	13
I	Right Main Canal Below Parthibanur Regulator	5000	-	8700m	49.09	3700	27.50	2.13	F 1:1 R 2:1	1/5500	1700	-
A	Venunatha Udaiyar Branch channel	LS at 7781M	-	-	-	-	-	-	-	-	-	-
-	Reach - I	0m	50.690	1215m	47.805	1215	8.00	0.90	1:1	1/1060	250	-
-	Reach - II	1215m	49.205	3069 m	47.515	1854	7.50	0.90	1:1	1/1324	221	-
-	Reach - III	3069 m	47.805	3639 m	46.435	570	7.50	0.90	1:1	1/1966	190	-
-	Reach - IV	3639 m	47.215	4539 m	45.430	900	5.50	0.90	1:1	1/1154	162	-
-	Reach - V	4539 m	46.435	7050 m	-	2511	4.00	0.90	1:1	1/2500	79	-
-	Tank feeder channels	-	-	-	-	-	-	-	-	-	-	-
-	Vengalur	1215m	49.410	Tank	48.210	2500	4.00	0.60	1:1	1/2080	29	-
-	Urakudi	3069 m	47.750	Tank	46.190	3510	4.00	0.75	1:1	1/2250	32	-

-	Madanthai	3639 m	47.180	Tank	46.410	1530	4.00	0.60	1:1	1/2080	28	-
-	Athiendal	3639 m	-	Tank	-	480	3.00	0.45	1:1	1/2400	5	-
-	Sankakottai	3639 m	-	Tank	-	1150	3.00	0.60	1:1	1/2400	5	-
-	Pulikulam	3639 m	-	Tank	-	800	3.00	0.45	1:1	1/2400	10	-
-	KeelaKodumalur Branch	-	-	-	-	-	-	-	-	-	-	-
-	LS 0 M- 1320M	0 m	46.385	1320M	45.600	1320	4.00	0.90	1:1	1/1680	83	-
-	LS 1320M- 3520M	1320M	45.600	3520 m	43.650	2200	4.00	0.75	1:1	1/1130	61	-
-	LS 3520M -4550M	3520 m	43.650	4550 m	43.160	1030	4.00	0.60	1:1	1/2100	28	-
-	LS 4550M- 5920M	4550 m	-	Keelakodumalur Tank	-	1370	3.50	0.60	1:1	1/1750	17	-
-	Tank feeder channels	-	-	-	-	-	-	-	-	-	-	-
-	M.Nedungulam	1320 m	-	Tank	-	1300	3.00	0.45	1:1	1/2400	5	-
-	Nallukuirchi	3520 m	43.650	Tank	42.340	2610	4.00	0.60	1:1	1/2000	31	-
-	Kandakulam	3765 m	-	Tank	-	600	3.00	0.45	1:1	1/2450	5	-
-	Valankudi	4550 m	-	Tank	-	250	3.00	0.45	1:1	1/2400	5	-
-	Vikkirapandiyapuram	4550 m	-	Tank	-	3500	4.00	0.45	1:1	1/2400	10	-
-	-	-	-	-	-	-	-	-	-	-	-	-
B	Kamudhakudi Branch Channel	RMC at LS 8426 m	49.055	Tank	-	2100	4.00	0.60	1:1	1/2500	50	-

C	Koothankal Branch channel	RMC at LS 8497 M	-	Tank	-	-	-	-	-	-	-	-
-	Reach - I	0 m	49.050	780 m	48.650	780	7.00	1.70	1:1	1/2000	490	-
-	Reach - II	780 m	48.650	7740m	42.820	6960	7.00	1.70	1:1	1/1950	328	-
-	Reach - III	7740m	42.820	9285 m	40.840	1545	7.00	1.70	1:1	1/2000	322	-
-	Reach - IV	9285 m	40.090	20600m	30.050	11315	7.00	1.70	1:1	1/2000	260	-
-	Reach - V	20600m	30.050..	22240m	29.015	1640	6.40	1.00	1:1	1/1650	188	-
-	Reach -VI	22240m	28.250	25800m	25.060	3560	5.50	0.80	1:1	1/1110	80	-
-	Reach -VII	25800m	25.060	27700m	24.115	1900	4.00	0.80	1:1	1/1070	66	-
-	Reach -VIII	27700m	24.115	33050m	18.205	5350	4.00	0.80	1:1	1/1130	53	-
-	S.Andkudi	780 m	-	Tank	-	2050	3.00	0.30	1:1	1/2000	7	-
-	Kolavipatti	4250 m	46.570	Tank	45.870	1400	3.00	0.30	1:1	1/2000	10	-
-	Melayakudi	4250 m	46.570	Tank	44.920	3300	3.00	0.90	1:1	1/2000	50	-
-	Vilathur	5550 m	45.795	Tank	44.345	2900	3.00	0.60	1:1	1/2000	28	-
-	Tholur	5800 m	45.795	Tank	44.545	2500	3.00	0.75	1:1	1/2000	29	-
-	Kanjiendal	9285 m	40.995	Tank	40.720	550	3.00	0.30	1:1	1/2000	10	-
-	S.Kavanur	9600 m	39.945	Tank	38.795	2300	3.00	0.45	1:1	1/2000	19	-

	Thenpoduvakudi	9800 m	39.845	Tank	38.645	2400	3.00	0.30	1:1	1/2000	10	
	Pamboor	12800 m	36.845	Tank	36.245	1200	3.00	0.45	1:1	1/2000	21	
	Thaliakkal	13300 m	36.595	Tank	36.495	200	3.00	0.30	1:1	1/2000	6	
	Udaikulam	16300 m	34.125	Tank	33.675	900	3.00	0.30	1:1	1/2000	6	
	Magindi	18960 m	31.360	Tank	30.410	1900	3.00	0.30	1:1	1/2000	8	
	Venkalakurichi	21950 m	29.765	Tank	28.690	2150	3.00	0.45	1:1	1/2000	21	
	Alankanur	22240 m	29.195	Tank	28.845	700	3.00	0.45	1:1	1/2000	19	
	Ponnakkaraiendal	25800 m	26.545	Tank	26.220	650	3.00	0.30	1:1	1/2000	5	
	Meesal	25950 m	24.745	Tank	24.295	900	3.00	0.30	1:1	1/2000	8	
	Pirabakkalur	27700 m	24.925	Tank	24.125	1600	3.00	0.30	1:1	1/2000	9	
	Ulaiyur	28250 m	22.365	Tank	21.415	1900	3.00	0.45	1:1	1/2000	16	
	Kodarendal	29950 m	21.715	Tank	21.565	300	3.00	0.30	1:1	1/2000	5	
	Ponnakkaneri	31750 m	19.375	Tank	19.200	350	3.00	0.30	1:1	1/2000	7	
	Valanadu	31750 m	-	33050 m (end to Tank)	-	-	-	-	-	-	-	-
	Puliyankudi Branch	-	-	-	-	-	-	-	-	-	-	-
	Puliyankudi	0m	29.645	4750 m (Tank End)	27.270	4750	3.00	0.50	1:1	1/2000	25	

	Surankulam	2800 m	29.245	Tank	29.095	900	3.00	0.30	1:1	1/2000	5	
	Erumaipatti	3210 m	28.645	Tank	28.395	500	3.00	0.30	1:1	1/2000	6	
	Posukudi	3520 m	28.170	Tank	27.870	600	3.00	0.45	1:1	1/2000	13	
	Neerkundram	3850 m	27.720	Tank	27.470	500	3.00	0.30	1:1	1/2000	6	
	Kakkur Branch channel	0 m	30.905	Kakkur Tank		8000	4.00	0.80	1:1	1/2500	69	
	Tank Feeder Channels											
	Keelakanniseri	2500 m	29.905	Tank	29.830	150	3.00	0.30	1:1	1/2000	5	
	Thiruvakki	4250 m	28.705	Tank	28.430	550	3.00	0.30	1:1	1/2000	6	
	Keelapanaiyadiendal	5640 m	27.365	Tank	27.215	300	3.00	0.30	1:1	1/2000	5	
D	Poduvakudi Branch channel	RMC at LS 9090m	48.245	Vekattankurichi Tank		10800					60	
	Tank feeder channels											
	Poduvakudi	2500 m		Tank		2450						
	Pambuvilundan	6450 m		Tank		970						
E	Sundanendal Branch channel	RMC at LS 10132 m	46.500	Tank		1000	3.00	0.45	1:1	1/2000	10	
F	Thellichathanallur Branch Channel	RMC at LS 10427 m	46.435	Tank		2450	3.00	0.45	1:1	1/2000	20	

G	Kattuparamakudi Branch Channel	RMC at LS 14700 m	42.550	Tank	-	1500	4.00	0.80	1:1	1/2500	70	-
H	Vendoni Branch Channel	RMC at LS 18872 m	37.550	Tank	-	600	4.00	0.65	1:1	1/2040	55	-
I	Sellur Branch Channel	RMC at LS 20356 m	34.950	Sellur Tank	-	11000	4.00	0.80	1:1	1/2500	65	-
-	**Tank feeder channels**	-	-	-	-	-	-	-	-	-	-	-
-	K.Karungulam	3800 m	-	Tank	-	1000	-	-	-	-	-	-
-	Nilayambadi	5420 m	-	Tank	-	1650	-	-	-	-	-	-

Sl.No	**Name of Supply Channel**		**Start Point**		**Ent Point**		**Length in Meters**	**Bed Width**	**Bed Slope**	**Side slope**	**MFD (FSD)**	**Design Discharge**
			Location	**sill**	**Location**	**sill**						
J	**Kalari Branch Channel**	**1600-2115**	**1600 kalari FCH RMC**	**26.950**	**2115**	**26.760**	**515**	**18.30**	**1/2112**	**1:1**	**1.95**	**42.11**
1	**Kalari Branch Channel**	**2115-5340**	**2115**	**26.760**	**5340**	**26.220**	**3225**	**15.25**	**1/1507**	**1:1**	**1.95**	**44.63**
2	**Kalari Branch Channel**	**5340-6355**	**5340**	**26.22**	**6355**	**20.85**	**1015**	**14.00**	**1/1409**	**1:1**	**1.95**	**42.88**
-	Ariyakudi & Keelakottai Supply Channel	6355	0	25.500	4150	23.420	4150 & 1950	4.00	1/2000	1:1	-	164.00
3	**Kalari Branch Channel**	**6355-8115**	**6355**	**20.850**	**8115**	**19.230**	**1760**	**14.00**	**1/1585**	**1:1**	**1.95**	**39.73**
4	**Kalari Branch Channel**	**8115-9400**	**8115**	**19.230**	**9400**	**18.040**	**1285**	**13.20**	**1/1085**	**1:1**	**1.80**	**36.55**
5	**Kalari Branch Channel**	**9400-11275**	**9400**	**18.040**	**11275**	**16.450**	**1875**	**12.20**	**1/1179**	**1:1**	**1.80**	**35.07**

-	Semanur supply channel	11275	0	16.450	1650	15.630	1650	4.00	1/2000	1:1	1.40	63.80
6	**Kalari Branch Channel**	**11275-12145**	**11275**	**16.450**	**12145**	**15.570**	**870**	**17.08**	**1/988**	**1:1**	**1.80**	**54.68**
-	Theeyanur supply channel	12145	0	15.570	3000	14.070	3000	4.00	1/2000	1:1	1.40	96.50
7	**Kalari Branch Channel**	**12145-14795**	**12145**	**15.570**	**14795**	**13..34**	**2650**	**17.08**	**1/1188**	**1:1**	**1.80**	**51.42**
-	S.Kodikulam Supply Channel	12845	0	14.980	2800	13.580	2800	4.00	1/2000	1:1	1.50	55.00
-	Kavuthakudi Supply Channel	14725	0	13.400	700	13.050	700	4.00	1/2000	1:1	1.30	41.37
-	Enakkampriyan Supply Channel	14795	0	13.340	1500	12.590	1500	4.00	1/2000	1:1	-	9.20
8	**Kalari Branch Channel**	**14795-15475**	**14795**	**13.340**	**15475**	**12.770**	**680**	**16.80**	**1/1192**	**1:1**	**1.80**	**49.06**
9	**Kalari Branch Channel**	**15475-17095**	**15475**	**12.770**	**17095**	**11.290**	**1650**	**21.35**	**1/1094**	**1:1**	**1.70**	**59.25**
-	Urathur Supply Channel	15495	0	12.750	1650	11.930	1650	4.00	1/2000	1:1	1.30	31.40
-	Vadavalangulam Supply Channel	16575	0	11.020	1500	11.020	1500	4.00	1/2000	1:1	1.30	13.77
-	Malangudi Supply Channel	17095	0	11.290	1300	10.640	1300	4.00	1/2000	1:1	1.35	10.00
10	**Kalari Branch Channel**	**17095-17825**	**17095**	**11.290**	**17825**	**10.410**	**730**	**9.75**	**1/829**	**1:1**	**1.70**	**30.53**
-	Nallangudi Supply Channel	17825	0	10.410	1600	9.610	1600	4.00	1/2000	1:1	0.75	106.60
-	panaikulam Supply Channel	17825	0	10.410	1600	9.610	1600	4.00	1/2000	1:1	0.75	

-	Pukkulam Supply Channel	17825	0	10.410	9.610	9.610	1600	4.00	1/2000	1:1	-	
11	**Kalari Branch Channel**	**17825-21395**	**17825**	**10.410**	**21395**	**7.670**	**3570**	**11.00**	**1/1302**	**1:1**	**1.70**	**27.40**
-	Kadambankudi Supply Channel	18255	0	10.080	9.330	9.330	1500	4.00	1/2000	1:1	-	17.40
-	Kalakudi Supply Channel	20355	0	8.470	7.220	7.220	2500	4.00	1/2000	1:1	-	20.15
12	**Kalari Branch Channel**	**21395-22535**	**21395**	**7.670**	**22535**	**7.220**	**1140**	**11.00**	**1/2533**	**1:1**	**1.70**	**-**
13	**Kalari Branch Channel**	**22535-25275**	**22535**	**7.220**	**25275**	**5.770**	**2740**	**11.00**	**1/1889**	**1:1**	**1.70**	**-**

1.4. PARTICIPATORY IRRIGATION MANAGEMENT (PIM)

1.4. SALIENT FEATURES OF IMPLEMENTATION OF PIM IN UTHRAKOSAMANGAIYAR SUB-BASIN

1) **The Sub-basin:** This is one of the nine sub-basins of the Gundar River Basin. Totally 153 irrigation tanks are under the control of Water Resources Organisation (WRO) of Public Works Department (PWD) in this sub-basin. The list of tanks covered with brief details are furnished in the **Annexure – 1**. These 120 tanks are located within the sub basin's hydraulic boundary spreading over of 88 Villages of Paramakudi, Muthukulathur, Kadaladi and Ramanthapuram Taluks in Ramanathapuram District. **The total Command area under these 120 tanks works out to 8955.36 ha. (Annexure 1)**

2) **Command area:**

i. System tanks fed by Vaigai River	:- 6901.74 Ha.
II. Non-System Tanks	:- 2053.62 Ha.
Total	**:- 8955.36 Ha.**

3) **An assessment of number of WUAs.**

Associations	Nos	Villages	Tanks	Ayacut Ha.
1.WUA's already formed under WRCP	25	68	96	7313.31
II. WUA's proposed to be formed under IAMWARM Project	17	20	24	1642.05
III. Total command area	42	88	120	8955.36

4) An account of "Awareness creation".

Activities undertaken and "Walkthrough Surveys" carried out:

i) There are 120 tanks in the sub-basin spread over 88 villages.

ii) As detailed out in Annexure – I, all these villages were visited by the WRO officials and awareness about various activities, contemplated under IAMWARM project has been created.

iii) Details of villages covered, walkthrough surveys conducted, farmers attended, list of works suggested by the farmers, list of works analysed and finalized by WRO officials, are all furnished in the Annexure –.II & III.

5) Schedule of completion of delineation and preparation for WUA documents, comprising of:

i) Form – I : Details to be notified by District Collectors (End of Feb 2009)

ii) Form – II: WUA document to be notified by District Collectors (End of May – 2009)

iii) Completion of preparatory works for the conduct of Elections for WUAs (End of June– 2009)

6) Schedule for Conduct of Elections in the sub-basin for farming Management Committee will be completed by end of January 2010.

7) Supporting Organisations (Sos):

Initiating and completing the process of publishing EOI to hire Support Organisation at sub-basin level (End of June- 2009)

i) Providing Request for Proposals (RFPs) to all the short listed agencies, and obtaining Technical and Cost Proposals (Middle of August -2009)

ii) Selection and deployment of Support Organisation to the sub-basin (End of Sep- 2009)

8. Appointment and the Role of Competent Authorities:

i) Section 26 of the Tamil Nadu Farmers' Management of Irrigation Systems (TNFMIS) Act provides for the appoint of "Competent Authorities" to assist the respective farmers organizations (WUA, Distributory Committee and Project

Committee), in the implementation and execution of all decisions taken by such farmer's organization. Similarly, every farmer's organization shall extend such co-operation or assistance, as may be required by the Competent Authority, for carrying out all the tasks related to implementation of TNFMIS Act.

ii) For the 25 Nos. of WUA's formed under WRCP, there are Competent Authorities already functioning as listed below.

<table>
<tr><th rowspan="2">Sl. No</th><th rowspan="2">Details of WUA's in code</th><th colspan="2">Details of competent Authorities</th></tr>
<tr><th>Assistant Executive Engineer.</th><th>Section Officer</th></tr>
<tr><td>1</td><td>RMP:- 5,6,7,8 and 9</td><td rowspan="2">Asst. Executive Engineer, PWD/WRO, Lower Vaigai Basin Sub Division, Paramakudi.</td><td>Section Officer, WRO, Parthibanur Regulator section Parthibanur Regulator</td></tr>
<tr><td></td><td>RMP :- 10,11,12,13,14,15, and 16</td><td>Section Officer, WRO Parthibanur Regulator Section, Paramakudi.</td></tr>
<tr><td></td><td>RMP:- 40,41,42,43,44,62,68 and 69</td><td rowspan="3">Asst. Executive Engineer, PWD/WRO, Uthrakosamangaiyar Sub Division, Ramanathapuram</td><td>Section Officer , WRO Irrigation section Uthrakosamangai</td></tr>
<tr><td></td><td>RMP:-47,58 and 61</td><td>Section Officer , WRO Irrigation section Chathrakudi</td></tr>
<tr><td></td><td>RMP:- 55 and 63</td><td>Section Officer , WRO Irrigation section- I Thiruppullani</td></tr>
</table>

iii) It is proposed to form 20 WUAs only under IAMWARM Project to cover a command area of 1686.79 ha.

iv) Appointment of Competent Authorities for the WUAs proposed to be formed under IAMWARM project is based on the "WRO Section officer wise" distribution as indicated below.

Sl. No	Details of WUA's in code	Details of competent Authorities	
		Assistant Executive Engineer.	Section Officer
1	UKI – 1	Asst. Executive Engineer, PWD/WRO, Lower Vaigai Basin Sub Division, Paramakudi	Section Officer , WRO Parthibanur Regulator Section, Paramakudi.

2	UKI – 11	Asst. Executive Engineer, PWD/WRO, Uthrakosamangaiyar Sub Division, Ramanathapuram	Section Officer , WRO Irrigation section Chathrakudi
3	UKI 12,13,14 15,16		Section Officer , WRO Irrigation section Thiruppulani
4	UKI -2,3,4,6,7,8 and 9	Asst. Executive Engineer, PWD/WRO, Gundar Basin Sub Division, Muthukulathur.	Section Officer , WRO Irrigation section - I Muthukulathur
5	UKI -5 and 10		Section Officer , WRO Irrigation section - II Muthukulathur
6	UKI – 17		Section Officer , WRO Irrigation section - I kadaladi

9. Involvement of farmers in the preparation of “Scheme Modernisation Plans”.

i) Based on the outcome of the “Awareness Creation Programme” and Walkthrough survey carried out with the involvement of farmers, a list of tasks proposed to be taken up for “Modernization” under IAMWARM project was discussed with 1133 numbers of farmers from 24 groups of villages and the tasks was also prepared and exhibited in the Notice Board of the Village Administrative Officers Office and Panchayat Office.

ii) During the meeting, the farmers present were also informed that soon after finalization of contract for carrying out “Modernization of Irrigation Systems” a “Notice Board” with the details about the nature of works, its cost, period of contract and Name of the contractor will all be fixed at the site of the work, as well as in the Panchayat Office, for information of the farmers. They have also been informed that they are free to supervise the work by the contractor and any lapse in the quality of work may be

reported to the field officers of WRO, as well as the Executive Engineer of WRO, who has been designated as the Nodal Officer for the sub-basin concerned.

iii) The field officers of WRO have all been informed about the problems in handing over the operation and maintenance responsibilities to the farmers concerned, if the tasks as desired by them are not included in the modernization of the system and also in case some of the tasks already planned are not implanted due to some reasons or other.

iv) The WRO officers were also informed that hey are personally responsible for handing over the irrigation systems after completing the tasks related to modernization of Irrigation systems.

10. Current status of Recovery of water charges:

i) An enquiry conducted with the "Village Administrative Officers" (VAOs) of randomly selected villages, the normal water charges recovery as informed by the VAO, works out to 50-60% only, about the expected percentage of 80-90%.

ii) With the proposal to form new WUAs under IAMWARM in "Uthrakosamangaiyar Sub-basin", the Managing Committee **will be trained** to take up the responsibility of improving the **Water charges recovery percentage.** These will be followed up, after completing the modernization tasks and handing over of the O & M responsibilities to WUAs.

11. "Capacity Building" of the WUA farmers:

i) The "Support Organisation Group" will prepare "Training Modules" required for **building the capacity** of the WUA farmers, based on a "Training Needs" Analysis. They will also organize various "Capacity building" programmes at **suitable locations** within the sub-basin command area, to benefit the farmers of the WUAs in the sub-basin.

ii) The "Support Organisation" will also arrange for organizing the **"Study Tours" both within and outside the state** to enhance their knowledge

and experiences which will help them **to improve the crop productivity** and there by the farmer's income.

iii) The Support Organisation will also conduct necessary "Awareness programme" and impart training to educate the farmers of the WUAs in all aspects of the TNFMIS Act, TNFMS Rules and Election procedures for constituting the "Managing Committees" of the WUAs.

12. The "Competent Authorities" appointed for the **sub-basin** will also be trained to effectively to interact with WUA farmers and maintain good support and relationship with the farming community in the sub-basin. .

Annextue - 1

An Assesment of command Area and WUA's under the control of WRO in Uthrakosamangiayar Sub basin

WUA No	Name of Irrigation System and Tanks	Command Area Ha.	Location of the Command Area			Coverage of Command area under different Projects (Ha.)		Status of formation of WUA's in the Sub Basin	
			Village	Taluk	District	WRCP and Others	IAMWARM	Formed under WRCP	To be formed under IAMWARM
1	2	3	4	5	6	7	8	9	10
WUA - 1	System Tanks fed by Vaigai River through RMC below Parthibanur Regulator Venunathaudaiayar Branch Channel:-			Paramakudi	Ramanathapuram	310.51		RMP -5	
	Vengalore Tank	127.87	Vengalore						
	Urakudi BigTank	162.42	Urakudi						
	Urakudi small Tank	20.22	Urakudi						
		310.51							
WUA-2	Pulikulam Tank	66.17	Pulikulam						
	KumaranendalTank	54.82	Madanthai	Paramakudi	Ramanathapuram	120.99		RMP-6	
		120.99							

WUA - 3	Madanthai Tank Sankakottai Tank Athiendal Tank Padayanendal Tank Kandakulam Tank	70.98 30.57 23.07 15.16 15.25 155.03	Madanthai Sankakottai Kamudhakudi Padayanendal Kandakulam	Paramakudi	Ramanathapuram	155.03		RMP - 7	
WUA - 4	Nallukurichi Tank M.Nedungulam Tank Keelakodumalur Tank Vikkirapadipuram Tank Valangudi Tank	107.96 104.62 76.88 39.43 21.20 350.09	Nallukurichi M.Nedungulam Keelakodumalur Vikkirapadipuram Valangudi	Muthukulathur & Paramakudi	Ramanathapuram	350.09		RMP - 8	
WUA - 5	Kamudhakudi Branch Channel: Kamudhakudi Tank	315.69	Kamudhakudi	Paramakudi	Ramanathapuram	315.69		RMP - 9	
WUA - 6	Koothangal Branch channel :- S.Andakudi Tank Nandupatti Tank Kolavipatii Tank Tholur Tank Thenpoduvakudi Tank Vilathur Tank	43.10 34.15 43.11 68.21 67.83 125.63	S.Andakudi Kattuparamakudi S.Andakudi Tank Tholur Thenpoduvakudi Vilathur	Paramakudi	Ramanathapuram	817.21		RMP - 10	

	Melayakudi Tank	213.66	Melayakudi						
	Kanjiendal Tank	47.86	Kanjiendal						
	S.Kavanur Tank	73.57	S.Kavanur						
	Pamboor Tank	100.09	Pamboor						
		817.21							
WUA - 7	Thalaikkal Tank	20.06	Thenpoduvakudi	Paramakudi & Muthukuathur	Ramanathapuram	806.65		RMP - 11	
	Udaikulam Tank	17.40	Udaikulam						
	Thiruvakki Tank	28.44	Thiruvakki						
	Paranthan Tank	16.33	Paranthan						
	Surankulam Tank	15.96	Surankulam						
	Erumaippati Tank	15.44	Erumaippati						
	KeelPanaiyadiendal	28.09	KeelPanaiyadiendal						
	Venneervoikkal Tank	47.28	Venneervoikkal						
	Keelakanniseri Tank	14.50	Keelakanniseri						
	Venkalakurichi Tank	95.92	Venkalakurichi						
	Neerkundram Tank	17.11	Neerkundram						
	VadaPuliyankudi Tank	52.30	Puliyankudi						
	Puliyankudi Tank	117.70	Puliyankudi						
	Posukudi Tank	61.87	Posukudi						
	Athanakurichi Tank	32.22	Athanakurichi						
	Kakkur Tank	226.03	Kakkur						

		806.65							
WUA - 8	Magindi Tank	46.91	Magindi	Muthukulathur	Ramanathapuram	465.46		RMP -12	
	Alankanur Tank	80.50	Alankanur						
	Prabakkalur Tank	41.19	Prabakkalur						
	Meesal Tank	28.07	Meesal						
	Pokkanendal Tank	19.39	Pokkanendal						
	Ponnakkaneri Tank	31.51	Ponnakkaneri						
	Ulaiyur Tank	62.66	Ulaiyur						
	Kodarendal Tank	23.97	Kodarendal						
	Ponnakkaraiendal Tank	11.45	Ponnakkaraiendal						
	Valanadu Tank	119.81	Valanadu						
		465.46							
WUA - 9	Poduvakudi , Sundanendal and Thellichathanallur Branch channel			Paramakudi	Ramanathapuram	187.62		RMP - 13	
	Poduvakudi Tank	84.68	Poduvakudi						
	Sundanendal Tank	37.48	Kattuparamakudi						
	Thellichathanallur Tank	65.46	Kattuparamakudi						
		187.62							
WUA - 10	Kattuparamakudi Branch channel:-			Paramakudi	Ramanathapuram			RMP -14	
	Kattuparamakudi Tank	119.61	Kattuparamakudi						

	Pambuvilunthan Tank	52.08	Kattuparamakudi						
	Vankatankurichi Tank	121.50	Vankatankurichi			293.19			
		293.19							
WUA - 11	Vendhoni Branch channel:-		Vendhoni	Paramakudi	Ramanathapuram	198.34		RMP -15	
	Vendhoni Tank	198.34							
	Sellur Branch channel:-							RMP -16	
	Vaigaikulam Tank	15.94	Vaigaikulam						
	K.Karungulam Tank	42.46	K.Karungulam	Paramakudi					
WUA - 12	Nilayambadi Tank	57.00	Pandi Kanmoi	&	Ramanathapuram	322.11			
	Sellur Tank	206.71	Sellur	Muthukuathur					
		322.11							
WUA - 13	Kalari Branch channel:-			Ramanathapuram	Ramanathapuram	117.48		RMP-40	
	Utharakosamangaiyar Tank	117.48	Utharakosamangaiyar						
	Malangudi Tank	116.50	Malangudi						
	Vada Alangulam Tank	23.90	Malangudi						
	Mallal Tank	142.00	Malllal						
WUA - 14	Sirunanaguneri Tank	20.87	Malllal	Ramanathapuram	Ramanathapuram			RMP - 41	
	Moonjan Tank	42.47	Malllal			449.29			
	Kovilanchetham	26.22	Malankudi						
	Melaseethai Tank	48.16							

	Kalakkudi Tank	29.18	Malankudi						
		449.29							
	Theeyanur Tank	140.91	Theeyanur						
	Kavuthakudi Tank	62.50	S.Kodikulam						
	Urathur Tank	49.41	Urathur						
WUA - 15	S.KodikulamTank	88.10	S.Kodikulam	Paramakudi	Ramanathapuram	479.12		RMP - 42	
	Inakkempiriyan Tank	16.71	S.Kodikulam						
	Semanur Big Tank	80.00	Semanur						
	Semanur smallTank	41.49	Semanur						
		479.12							
	Panaikulam	37.80	Panaikulam						
	Nallankudi	54.44	Panaikulam						
WUA - 16	Pukkulam Tank	41.21	Panaikulam	Ramanathapuram	Ramanathapuram	179.96		RMP -43	
	Kadampankudi Tank	46.51	Panaikulam						
		179.96							
WUA - 17	Kalari Tank	717.48	Kalari	Ramanathapuram	Ramanathapuram	762.22		RMP - 44	
	Keelandal Tank	44.74							
		762.22							
	Ariyakudi Branch channel:								
WUA -18	Ariyakudi Tank	163.24	Ariyakudi	Paramakudi	Ramanathapuram	222.48		RMP - 47	
	Keelakottai Tank	59.24	Keelakottai						

		222.48							
WUA - 19	Non- System Tanks Vithanur tank K.Kodikulam Tank	62.21 39.74 101.95	Veelamarichikatti Veelamarichikatti	Ramanathapuram	Ramanathapuram	101.95		RMP - 55	
WUA - 20	Pandikanmoi Tank	40.54	Pandikanmoi	Paramakudi	Ramanathapuram	40.54		RMP - 58	
WUA - 21	Keelambal Tank A.Puthur Tank	55.23 120.67 175.90	Ariyakudi A.Puthur	Paramakudi	Ramanathapuram	175.90		RMP - 61	
WUA - 22	Anumaneri Tank	55.65	Koraikulam	Paramakudi	Ramanathapuram	55.65		RMP - 62	
WUA - 23	Anaikudi Tank	42.55 42.55	Ettivayal	Paramakudi	Ramanathapuram	42.55		RMP - 63	
WUA - 24	Alankulam Tank Nallurikkai Tank	93.05 149.57 242.62	Alankulam Nallurukkai	Ramanathapuram	Ramanathapuram	242.62		RMP - 68	
WUA - 25	Panaiyadiendal Tank	100.67	Idayankulam	Ramnthpurm	Ramanathapuram	100.67		RMP - 69	
WUA -26	Non- System Tanks Kalaiyur small Tank	65.77	Kalaiyur	Paramakudi	Ramanathapuram		65.77		UKI- 1
WUA - 27	Muthukulathur Tank	312.45	Mela-Mudukulathur,Keela-Mudukulathur	Muthukulathur	Ramanathapuram		312.45		UKI- 2

WUA - 28	Sathanur Tank Pulithikulam tank	124.18	Sathanur Pulithikulam	Muthukulathur	Ramanathapuram		124.18		UKI- 3
WUA - 29	Vilangathur Tank	73.63	Vilangathur	Muthukulathur	Ramanathapuram		73.63		UKI- 4
WUA - 30	Kolundurai Tank	55.12	Kolundurai	Muthukulathur	Ramanathapuram		55.12		UKI- 5
WUA - 31	Thadangani Tank	41.77	Thadangani	Muthukulathur	Ramanathapuram		41.77		UKI- 6
WUA - 32	Nochikulam Tank	40.00	Nochikulam	Muthukulathur	Ramanathapuram		40.00		UKI- 7
WUA - 33	Valukkaikulam Tank	48.69	Valukkaikulam	Muthukulathur	Ramanathapuram		48.69		UKI- 8
WUA - 34	Sampakulam Tank	63.89	Sampakulam	Muthukulathur	Ramanathapuram		63.89		UKI- 9
WUA - 35	Thiruvarangam Tank	66.52	Thiruvarangam	Muthukulathur	Ramanathapuram		66.52		UKI- 10
WUA - 36	Vaigai System Tanks- Through LMC below Parthibanur Regulator - Kalari Branch channels			Paramakudi	Ramanathapuram		44.21		UKI- 11
	Vepapankulam Tank	28.58	Theeyanur						
	KoraikulamTank	15.63	Koraikulam						
		44.21							
WUA - 37	Vaigai System Tanks- Through LMC below Parthibanur Regulator - Kalari Branch channels			Ramanathapuram	Ramanathapuram		177.09		UKI- 12
	Vella Marichikatti Big Tank	139.29	Vella Marichikatti	"					

	Vella Marichikatti small Tank	37.80 **177.09**	Vella Marichikatti	"					
WUA - 38	Deivachilainallur Tank	128.59	Vella Marichikatti	"			128.59		UKI -13
WUA - 39	Pakkiri Pudukulam Tank Ekkakudi Tank Kothankulam	42.99 102.41 57.17 202.57	Ekkakudi Ekkakudi	" "			202.57		UKI -14
WUA -40	Non- System TanksT.Karungulam Tank	43.30	T.Karungulam	Paramakudi	Ramanathapuram		43.30		UKI- 15
WUA - 41	Mayakulam Tank and Vaigai Tank	101.07	Mayankulam				101.07		UKI- 16
WUA - 42	Ervadai	**53.20**	Ervadi	Kadaladi	Ramanathapuram		53.20		UKI- 17
				TOTAL		**7313.31**	**1642.05**		

ABSTRACT

1	Command Area already covered under WRCP and other Project / Schems	7313.31 ha.
2	Command Area proposed to be covered under IAMWARM Project	1642.05 ha.
3	Total command area controlled by WRO of PWD in the Sub basin	8955.36ha.
4	Total No . Of WUAs Already formed under WRCP	25 Nos
5	Total No. of WUAS proposed to be formed under IAMWARM	17 Nos
6	Total.No. of WUAs that will cover the entire Sub basin	42 Nos

WUA Particulars

Sl.No	Block	WUA Already Formed				WUA to be Formed				Total WUAs			
		Nos	Villages	Tanks	Ayacut Hec.	Nos	Villages	Tanks	Ayacut Hec.	Nos	Villages	Tanks	Ayacut Hec.
1	Paramakudi	8	24	33	2556.25	1	1	1	65.77	9	25	34	2622.02
2	Muthukulathur	4	27	30	1786.62	9	11	10	826.25	13	38	40	2612.87
	Total	**12**	**51**	**63**	**4342.87**	**10**	**12**	**11**	**892.02**	**22**	**63**	**74**	**5234.89**
3	Bogalur	6	8	14	1016.24	2	2	3	87.51	8	10	17	1103.75
4	Thiruppullani	7	9	19	1954.20	4	5	9	609.32	11	14	28	2563.52
5	Kadaladi					1	1	1	53.20	1	1	1	53.20
	Total	**13**	**17**	**33**	**2970.44**	**7**	**8**	**13**	**750.03**	**20**	**25**	**46**	**3720.47**
	Grand Total	**25**	**68**	**96**	**7313.31**	**17**	**0**	**24**	**1642.05**	**42**	**88**	**120**	**8955.36**

Annexure - II

Details of " Conduction of Walk -Through Survey & Awareness Creation"

Sl.No	Name of the Villages Visited	Walk through survey & Stake holders meeting		Awarness Creation	
		Date	No. of farmers Attended	Date	No. of farmers Attended
1	2	4	5	6	7
1	Madanthai Sankakottai Vengalur Urakudi	2.01.09	24	12.11.08	15
2	Valayangudi Nallukurichi Kandakulam M.Nedungulam Pulikulam	3.01.09	34	14.11.08	28
3	Keelakodumalur Variayankottam Pulikulam Vikkirapandipuram	5.01.09	25	17.11.08	19
4	Kamuthakudi S.Andakudi Melayakudi	7.01.09	37	20.11.08	35

5	Vilathur Tholur S.Kavanur Pambur Thenpoduvakudi	9.01.09	21	21.11.08	25
6	Keelapanaiyendal Venneervoikkal Kakkur Puliyangudi Athanakurichi Keelakaniseri	10.01.09	20	10.12.08	15
7	Surankulam Erumaipatti Venkalankurichi Posukudi Puliyankudi Neerkundram	19.01.09	4	11.12.08	10
8	Udaikulam Magindi Alankanur Thenpoduvakudi Ponnakkaraiendal Pirabakkalur	20.01.09	8	12.12.08	10
9	Meesal Ulaiyur Pokkanendal	29.01.09	22	13.12.08	25

	Ponnakkaneri Kodarendal Valanadu				
10	Poduvakudi Sundanendal Kattu Paramakudi	22.01.09	34	26.12.08	30
11	Venkatankurichi K.Karungulam Vendoni Vagaikulam Pandikanmoi Sellur Kalaiyur	28.01.09	19	28.01.09	20
12	Kolundurai Thiruvarangam Thadangini	27.01.09	12	27.01.09	15
13	Kattakulam Sampakulam Vilangalathur sathanur Pulithikulam	3.02.09	31	3.02.09	30
14	Muthukulatahur Mochikulam Valukkaikulam	5.02.09	28	5.02.09	30
15	Ariyakudi Keelakottai	16.12.08	85	16.12.08	82

	Pandikanmoi T.Karungulam A.Puthur				
16	Keelambal Semanur Big Semmanur Small Inakkampiriyan	19.12.08	48	19.12.08	48
17	Theyanur Urathur Kavuthakudi Anumaneri Anaikudi	23.12.08	54	23.12.08	52
18	Koraikulam S.Kodikulam Vappankulam	30.12.08	91	30.12.08	90
19	Melaseethai Pukkulam Kadambankudi Arukkudi	5.01.09	49	5.01.09	50
20	Malangudi Kovilanchathan Moonjan Panaikulam Sirunanguneri Uthrakosamangai	14.11.08	70	14.11.08	62
21	Kalari Alangulam	9.01.09	134	9.01.09	120

	Nallirukkai				
	Panayadiendal				
	Ervadi				
	Mayakulam				
	Mallal				
22	Pakkiriputhukulam				
	Ekkakudi	19.01.09	140	19.01.09	110
	Kothankulam				
	Vellla Big				
23	Deivachellanallur Kalaikudi Vithanur	22.01.09	25	22.01.09	22
24	Kodikulam				
	Vella small	23.01.09	118	23.01.09	110
	Keelendal				
	Vaigai				
	TOTAL:		**1133**		**1053**

Annexure-III

Details of Modernisation Works as suggested by the farmers and as finalized by the the officials of WRO

Sl.No	Date of Visit	Name of the Villages Visited	Out come of walk through survey and discussions with farmers	
			Work suggested by the **farmers**	Work finilished by WRO **officials**
1		Madanthai	Farmers requested i) to reconstruct the damaged sluices -as they are facing difficulty in drawing water through sluice ii) to construct protectoin wall in RMC to avoid frequent breach of bund & Head sluices iii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund in some cases
		Sankakottai		
	2.01.09	Vengalur		
		Urakudi		
2		Valangudi	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to repair head sluices & cross masonry works in supply channels iii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund in some cases
		Nallukurichi		
	3.01.09	Kandakulam		
		M.Nedungulam		
		Pulikulam		

3 - - -	- 5.01.09 - -	Keelakodumalur Variayankottam Pulikulam Vikkirapandipuram	Farmers requested i) to reconstruct the damaged sluices -as they are facing difficulty in drawing water through sluice ii) to repair head sluices & cross masonry works in supply channels iii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund in some cases
4 - -	- 7.01.09 -	Kamuthakudi S.Andakudi Melayakudi	Farmers requested i) to reconstruct the damaged sluices -as they are facing difficulty in drawing water through sluiceii) to desilt the Supply channel including rehabilitation of cross masonry worksiii) to strengthen the tank bund by deepening tank So that they can use water at the end of crop period without any dificult	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund and desilting supply channels in some cases
5 - -	- 9.01.09 -	Vilathur Tholur S.Kavanur	Farmers requested i) to reconstruct the damaged sluices -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund and desilting

-	-	Pambur	including rehabilitation of cross masonry works iii) to strengthen the tank bund by deepening tank	supply channels in some cases
-	-	Thenpoduvakudi		
6	-	Keelapanaiyendal	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of cross masonry works iii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund and desilting supply channels in some cases
-	-	Venneervoikkal		
-	10.01.09	Kakkur		
-	-	Puliyangudi		
-	-	Athanakurichi		
-	-	Keelakaniseri		
7	-	Surankulam	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of cross masonry works iii) to stregthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund and desilting supply channels in some cases
-	-	Erumaipatti		
-	19.01.09	Venkalakurichi		
-	-	Posukudi		
-	-	Puliyankudi		
-	-	Neerkundram		
8	-	Udaikulam	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluiceii) to	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening
-	-	Magindi		
-	20.01.09	Alankanur		

-	-	Thenpoduvakudi	desilt the Supply channel including rehabilitation of head sulices, cross masonry worksiii) to strengthen the tank bund by deepening tank	of tank bund and desilting supply channels in some cases
-	-	Ponnakkaraiendal		
-	-	Pirabakkalur		
9	-	Meesal	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of cross masonry works iii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund and desilting supply channels in some cases
-	-	Ulaiyur		
-	29.01.09	Pokkanendal		
-	-	Ponnakkaneri		
-		Kodarendal		
-	-	Valanadu		
10	-	Poduvakudi	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of cross masonry works iii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund in some cases
-	22.01.09	Sundanendal		
-	-	Kattu Paramakudi		
11	-	Venkatankurichi	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are	All the request mentioned by farmers are to be fulfilled in general and included in the
-	-	Vendioni		

-	28.01.09	K.Karungulam	facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of cross masonry works iii) to strengthen the tank bund by deepening tank	estimate except strengthening of tank bund and desilting supply channels in some cases
-		Vagaikulam		
-	-	Pandikanmoi		
-	-	Sellur		
-	-	Kalaiyur		
12	-	Kolundurai	Farmers requested i) to reconstruct the damaged sluices -as they are facing difficulty in drawing water through sluice ii) to strengthen the tank bund	All the request mentioned by farmers are to be fulfilled and included in the estimate
-	27.01.09	Thiruvarangam		
-	-	Thadangini		
13	-	Kattakulam	Farmers requested i) to reconstruct the damaged sluices -as they are facing difficulty in drawing water through sluice ii) to strengthen the tank bund	All the request mentioned by farmers were fulfilled and included in the estimate
-	-	Sampakulam		
-	3.02.09	Vilangalathur		
-	-	sathanur		
-	-	Pulithikulam		
14	-	Muthukulatahur	Farmers requested i) to reconstruct the damaged sluices -as they are facing difficulty in drawing water through sluice ii) to strengthen the tank bund	All the request mentioned by farmers were fulfilled and included in the estimate
-	5.02.09	Mochikulam		
-	-	Valukkaikulam		

15	-	Ariyakudi	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of head sluices cross masonry works iii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers were fulfilled and included in the estimate
-	-	Keelakottai		
-	16.12.08	Pandikanmoi		
-	-	T.Karungulam		
-	-	A.Puthur		
16	-	Keelambal	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of cross masonry works iii) to stregthen the tank bund by deepening tank	All the request mentioned by farmers were fulfilled and included in the estimate
-	-	Semanur Big		
-	19.12.08	Semmanur Small		
-	-	Inakkampiriyan		
17	-	Theyanur	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluiceii) to desilt the Supply channel including rehabilitation of cross masonry worksiii) to stregthen the tank bund by	All the request mentioned by farmers were fulfilled and included in the estimate
-	-	Urathur		
-	23.12.08	Kavuthakudi		
-	-	Anumaneri		
-	-	Anaikudi		

			deepening tank	
18 - -	- 30.12.08 -	Koraikulam S.Kodikulam Vappankulam	Farmers requested i) to reconstruct the damaged sluices as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of cross masonry works iii) to stregthen the tank bund by deepening tank	All the request mentioned by farmers were fulfilled and included in the estimate
19 - -	- 5.01.09 -	Melaseethai Pukkulam Kadambankudi	Farmers requested i) to reconstruct the damaged sluices -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel iii) to stregthen the tank bund by deepening tank	All the request mentioned by farmers are to befulfilled and included in the estimate
20 - - - - -	- - 14.11.08 - - -	Malangudi Kovilanchathan Moonjan Panaikulam Sirunanguneri Uthrakosamangai	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of cross masonry works iii) to stregthen the tank bund by deepening tank	All the request mentioned by farmers are to befulfilled and included in the estimate

21	-	Kalari	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluiceii) to desilt the Supply channel including rehabilitation ofhead sluiceiii) to stregthen the tank bund by deepening tank with protection wall at weaker portion	All the request mentioned by farmers are to be fulfilled and included in the estimate
-	-	Alangulam		
-	-	Nallirukkai		
-	9.01.09	Panayadiendal		
-	-	Ervadi		
-	-	Mayakulam		
-	-	Mallal		
22	-	Pakkiriputhukulam	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of head sluice iii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled and included in the estimate
-	-	Ekkakudi		
-	19.01.09	Kothankulam		
-	-	Vellla Big		
23	-	Deivachilainallur	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel liii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled and included in the estimate
-	22.01.09	Kalakudi		
-	-	Vithanur		

24	-	K. Kodikulam	Farmers requested i) to reconstruct the damaged sluices & weirs -as they are facing difficulty in drawing water through sluice ii) to desilt the Supply channel including rehabilitation of cross masonry works iii) to strengthen the tank bund by deepening tank	All the request mentioned by farmers are to be fulfilled in general and included in the estimate except strengthening of tank bund and desilting of supply channel in some cases
-	23.01.09	Vella small		
-	-	Keelendal		
-	-	Vaigai		

Walk through survey details - WRO & Line Departments

Sl. No	Name of the Villages Visited	Date	Farmers Request								Technical Solution								Proposal Plan							
			Agriculture	Hoticulture	TNAU	AED	AHD	Agri Marketting	WRO	Fisheries	Agriculture	Hoticulture	TNAU	AED	AHD	Agri Marketting	WRO	Fisheries	Agriculture	Hoticulture	TNAU	AED	AHD	Agri Marketting	WRO	Fisheries
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1	Madanthai Sankakottai Urakudi Vengalur	02.01.09 (Photo camp -1)	Storage in tank depends on seasonal rain fall forecost and it is inadequate up to the end of cultivation period. Since paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local **MUNDU** variety in chillies		Farmers required 1.To provide farm ponds for water harvesting in tail end command area 2.. To solve inadequacy for farm labour.	Farmers requested 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	Farmers requested for strenghthening the tank bund, Reconstruction and repair of damaged sluices and wier, Desilting of supply channel including head sluices and cross masonry works.	Farmers Required 1. Construction of form Ponds and Cultivation of fish in the form ponds 2. Fish Culture in the irrigation Tanks	1.Suitable cropping pattern (less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is advisable where paddy is main crop.	Replace **kundu Chillies** by K1 Variety . Cultivation of high bide brinjal		1. Farm ponds may be provided wherever required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3.Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except the works which are not necessary.	Though the farm pond can be constructed under the component of AED the restoring and retention of water level in the farm ponds are expected to be filled up only by rain also the farmers do not have bore well to facilitate to maintain the	1.SRI demo is proposed where paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,brinjal high yielding varaity (for area expansion)		Incorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard wherever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masony works	To take up fish culture in farm pond a water level of minimum 1 to 1.50m depth of water should be maintained throughout culture period of minimum 6 monthsSince no supplementary water source is available such as borewells no fishery activity in farm ponds has been proposed in most of the sub basin area. A minimum of 1 to 1.50m depth of water should be maintain in irrigation tanks for fish culturefor the period of 5 to 6 months per crop. Since the conservation of water in tanks to
2	Valangudi Nallukurichi Kandakulam		Storage in tank depends on seasonal rain fall forecost and it is inadequate up to the end of cultivation period. Since paddy is	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in		Farmers required 1.To provide farm ponds for water harvesting in tail end	Farmers request 1. veterinary unit to all villages 2.	Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of	Farmers requested for strenghthening the tank bund, Reconstruction and repair of damaged	Farmers Required 1. Construction of form Ponds and Cultivation of fish in the form ponds	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is	Replace kundu Chillies by K1 Variety .		1. Farm ponds may be provided where	1.Establishment of mobile veterinary unit 2.Infertility and health	Yes, the problem mentioned by farmers are correct, and to	The request made by the farmer are to be fulfilled		1.SRI demo is proposed where paddy is main crop	25% of ayacut area is proposed to plant Horticulture crop		Incorporated the work component of 1. providin	1.Establishment of mobile veterinary unit 2.Infertility and health	1.providing drying yard whereever necessary 2.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank	

	Pulikulam M.Nedunkulam	03.01.09 (Photo camp -II)	main crop farmers requested suitable measure	chillies		command area 2.. To solve inadequacy for farm labour.	Mineral mixture supply to cattles.	Tarpalin & Tonnage 4. Good price fixation of commodity	sluices and wier, Desilting of supply channel including head sluices and cross masonry works.	2. Fish Culture in the irrigation Tanks	suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.			ver requir ed 2. Farm machi nery distrib ution is sugge sted to save labour	care camp 3. Fodder develop ment	be fulfilled in this project.	except the works which are not necess ary.	water level The retenti on period of water level availa ble at presen t for fish culture in irrigati on tanks is about less than three month s .The tanks are totally covere d by thick prosop hils. Hence the tanks should be renova ted by deepe ning them to incres e the dead storag e throug h WRO	2.Maize demo,P ulses demo. 3.Traini ng to Farmer s.	K1 , k2 high yielding varaity (for area expansi on)		g farm ponds for water harvesti ng 2.Distri bution of farm machin eries to WUA	care camp 3. Fodder develop ment 4. Training to farmers.	Training and exposur e visit to farmers 3. supply of tarpalin & tonnage 4.Format ion of commodi ty group at village level 5. Formatio n of agri bussines s centre at selected place.	bund. 3.Desiltin g the supply channels. 4.reconstr uction of cross masonrie s	maintain the level is very difficuilt, noproposal for fish culture in most of the irrigation tanks in this sub basin.
3	Keelakodumalur Variyankuttam Kumaranendal Vikkirapandiapur am	(Photo camp -III) 05.01.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1.To provide farm ponds for water harvesting in tail end command area 2.. To solve inadequacy for farm labour.	Farmers request 1. veterinar y unit to all villages 2. Mineral mixture supply to cattles.	Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Required 1. Construction of form Ponds and Cultivation of fish in the form ponds 2. Fish Culture in the irrigation Tanks	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recomm ended		1. Farm ponds may be provid ed where ver requir ed 2. Farm machi nery distrib ution is sugge sted to save labour	1.Establis hment of mobile veterinar y unit 2.Infertilit y and health care camp 3. Fodder develop ment	Yes, the problem mention ed by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strength ening the tank bund in some cases		1.Maize demo,P ulses demo. 2.Traini ng to Farmer s.	25% of ayacut area is propose d to plant Horticult ure crop Chillie K1 , k2 ,I high yielding varaity (for area expansi on)		IIncorp orated the work compon ent of 1. providin g farm ponds for water harvesti ng 2.Distri bution of farm machin eries to WUA	1.Establis hment of mobile veterinar y unit 2.Infertilit y and health care camp 3. Fodder develop ment 4. Training to farmers.	1.providi ng drying yard wherev er necessar y 2. Training and exposur e visit to farmers 3. supply of tarpalin & tonnage 4.Format ion of commodi ty group at village level 5. Formatio n of agri bussines s centre at selected place.	1.Reconst ruction of sluices and weirs. 2. Strengthe ning the tank bund. 3.Desiltin g the supply channels. 4.reconstr uction of cross masonrie s	
			Storage in tank depends on	High yielding variety		Farmers required	Farmers request	Farmers Request		Farmers Required 1.	1.Suitable cropping	Replace kundu		1. Micro	1.Establis hment of	Yes, the problem	The request		1.SRI demo is	25% of ayacut		Incorpo rated	1.Establis hment of	1.providi ng	1.Reconst ruction of	

4	Kamuthakudi S.Andakudi Melayakudi	07.01.09 (Photo camp -IV)	seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	needed in Horticulture Crop to replace local MUNDU variety in chillies		1. To provide micro irrigation for chillies .Since water availability in tank is under dificit. 2. To provide farm ponds for water harvesting in tail end command area 3. to solve inadequacy for farm labour.	1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Construction of form Ponds and Cultivation of fish in the form ponds 2. Fish Culture in the irrigation Tanks	pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	Chillies by K1 Variety . Cultivation of high bide brinjal & bhendi		irrigation system VIZ Drip or sprinkler shall be proposed for chillies 2. farm ponds may be provided where ver required 3. Farm machinery distribution is suggested to save labour	mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	mentioned by farmers are correct, and to be fulfilled in this project.	made by the farmer are to be fulfilled except strengthening the tank bund in some cases		proposed where paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	area is proposed to plant Horticulture crop Chillie K1 , k2 , brinjal , bhemdi high yielding varaity (for area expansion)		this work component 1. sprinkler irrigation for chillies 2. providing farm ponds for water harvestiing 3. Distribution of farm machineries to WUA	mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	
5	Vilathur Tholur S.Kavanur Pambur	09.01.09 (Photo Dated 06-10-08 (Photo camp -X I) 19.01.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide micro irrigation for chillies .Since water availability in tank is under dificit. 2. To provide farm ponds for water harvesting in tail end command	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Required 1. Construction of form Ponds and Cultivation of fish in the form ponds 2. Fish Culture in the irrigation Tanks	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main	RReplace kundu Chillies by K1 Variety . Cultivation of high bide bhendi		1. Micro irrigation system VIZ Drip or sprinkler shall be proposed for chillies	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.SRI demo is proposed where paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 , bhendi high yielding varaity (for area expansi		Incorporated this work component 1. sprinkler irrigation for chillies 2. providing farm ponds for water	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin &	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonrie	

	Thenpoduvakudi					area 3. to solve inadequacy for farm labour.					crop.		2. farm ponds may be provided wherever required 3. Farm machinery distribution is suggested to save labour required 3. Farm machinery distribution is suggested to save labour					on)	harvesting 3. Distribution of farm machineries to WUA		tonnages 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.		
6	Keelapanaiyendal Venneervoikkal Kakkur Puliyangudi Athanakurichi Keelakaniseri	10.01.09 (Photo camp -X)	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Required 1. Construction of form Ponds and Cultivation of fish in the form ponds 2. Fish Culture in the irrigation Tanks	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided wherever required 2. Farm machinery distribution is sugge	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases	1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 , high yielding varaity (for area expansion)		IIncorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machin	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Format	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	

															sted to save labour						eries to WUA		ion of commodity group at village level 5. Formation of agri bussiness centre at selected place.			
7	Surankulam Erumaipatti Venkalakurichi Posukudi Puliyankudi Neerkundram	19.01.09 (Photo camp -XII)	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour. .	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Required 1. Construction of form Ponds and Cultivation of fish in the form ponds 2. Fish Culture in the irrigation Tanks	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided wherever required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,I high yielding varaity (for area expansion)		Incorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard wherever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	
8	Udaikulam Magundi Alankanur Thenpoduvakudi	(Photo camp - VIII) 20.1.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks.	High yielding variety K1 & K2 for samba season in chillies are recomm		1. Farm ponds may be provided wherever required 2.	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder developm	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this	The request made by the farmer are to be fulfilled except strengthening the tank	Though the farm pondcan be constructed under the component of AED	1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,I high yielding		Incorporated the work component of 1. providing farm ponds for water	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder developm	1.providing drying yard whereever necessary 2. Training and exposure visit to	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply	To take up fish culture in farm pond a water level of minimum 1 to 1.50m depth of water should be maintained throughout culture period of minimum 6

	Ponnakkaraiendal Pirabakkalur					labour.	cattles.	commodity		commodity	2.SRI methodology is suitble where paddy is main crop.	ended		Farm machinery distribution is suggested to save labour	ent	project.	bund in some cases	the restoring and retention of water level in the farm ponds are expected to be filled up only by rain also the farmers do not have bore well to facilitate to maintain the water level The retention period of water level available at present for fish culture in irrigation tanks is about less than three months .The tanks		varaity (for area expansion)		harvesting 2.Distribution of farm machineries to WUA	ent 4.Training to farmers.	farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	channels. 4.reconstruction of cross masonries	months.Since no supplementary water source is available such as borewells no fishery activity in farm ponds has been proposed in most of the sub basin area. A minimum of 1 to 1.50m depth of water should be maintain in irrigation tanks for fish culturefor the period of 5 to 6 months per crop. Since the conservation of water in tanks to maintain the level is very difficuilt, noproposal for fish culture in most of the irrigation tanks in this sub basin.
9	Meesal Ulaiyur Pokkanendal Ponnakkaneri Kodarendal Valanadu	29.01.09 (Photo camp -IX)	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour. .	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided wherever required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,I high yielding varaity (for area expansion)		Incorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	
10	Poduvakudi Sundanendal	22.01.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of	High yielding variety needed in Horticulture Crop to		Farmers required 1. To provide farm	Farmers request 1. veterinary unit to	Formers Request 1.For providing drying yard		Farmers Request 1.For providing drying yard	1.Suitable cropping pattrn(less water consuming	Replace kundu Chillies by K1 Variety		1. Farm ponds may be	1.Establishment of mobile veterinary unit	Yes, the problem mentioned by farmers	The request made by the farmer		1.SRI demo is proposed where	25% of ayacut area is proposed to		Incorporated the work compony	1.Establishment of mobile veterinary unit	1.providing drying yard whereve	1.Reconstruction of sluices and weirs. 2.	

	Kattuparamakudi	(Photo camp -V)	cultivation period. Since the paddy is main crop farmers requested suitable measure.	replace local MUNDU variety in chillies		ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	all villages 2. Mineral mixture supply to cattles.	2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	.		provided where ver required 2. Farm machinery distribution is suggested to save labour	2.Infertility and health care camp 3. Fodder development	are correct, and to be fulfilled in this project.	are to be fulfilled except strengthening the tank bund in some cases	are totally covered by thick prosophils. Hence the tanks should be renovated by deepening them to increse the dead storage through WRO	paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	plant Horticulture crop Chillie K1 , k2 , brinjal high yielding varaity (for area expansion)		ent of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	r necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	
11	Venkatankurichi Vendioni K.Karungulam Vagaikulam Pandikanmoi Sellur Kalaiyur	(Photo camp -VI) (Photo camp -VII) 28-01-09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	Replace kundu Chillies by K1 Variety		1. Farm ponds may be provided where ver required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.SRI demo is proposed where paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	25% of ayacut area is propose d to plant Horticulture crop Chillie K1 , k2 , high yielding varaity (for area expansion)		IIncorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	

12	Thadangini Thiruvarangam Kolundurai	27.01.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Required 1. Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided wherever required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,l high yielding varaity (for area expansion)		Incorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard wherever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	
13	Sampakulam Vilamgalathur Sathanur Pulidhikulam	03.02.09 (Photo camp - XIV)	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour. .	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided wherever required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,l high yielding varaity (for area expansion)		Incorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard wherever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Format ion of commodity group at village level 5. Formation of agri bussiness centre	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	

																								at selected place.		
14	Muthukulathur Nochikulam Valukkaikulam	05.02.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided where ver required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,l high yielding varaity (for area expansion)		Incorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard wherever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	
15	Pandikanmoi T.Karungulam Ariyakudi Keelakottai A.Puthur	16.12.08	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide micro irrigation for chillies .Since water availability in tank is under dificit. 2. To provide farm ponds for water harvesting in tail end command area 3. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Micro irrigation system VIZ Drip or sprinkler shall be proposed for chillies 2. farm ponds may be provided	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.SRI demo is proposed where paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,l high yielding varaity (for area expansion)		Incorporated this work component 1. sprinkler irrigation for chillies 2. providing farm ponds for water harvesting 3. Distribution of farm machineries to	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard wherever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	

														where ver requir ed 3. Farm machi nery distrib ution is sugge sted to save labour							WUA		Formatio n of agri bussines s centre at selected place.									
16	Keelambal Semanur Big Semanur Small Inakkampiriyan	19.12.08	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide micro irrigation for chillies .Since water availability in tank is under dificit. 2. To provide farm ponds for water harvesting in tail end command area 3. to solve inadequacy for farm labour.	Farmers request 1. veterinar y unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recomm ended		1. Micro irrigati on syste m VIZ Drip or sprinkl er shall be propo sed for chillie s 2. farm ponds may be provid ed where ver requir ed 3. Farm machi nery distrib ution is sugge sted to save labour	1.Establis hment of mobile veterinar y unit 2.Infertilit y and health care camp 3. Fodder developm ent	Yes, the problem mention ed by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strength ening the tank bund in some cases		1.SRI demo is propos ed where paddy is main crop 2.Maize demo,P ulses demo. 3.Traini ng to Farmer s.	25% of ayacut area is propose d to plant Horticult ure crop Chillie K1 , k2 ,I high yielding varaity (for area expansi on)		Incorpo rated this work compon ent 1. sprinkle r irrigatio n for chillies 2. providin g farm ponds for water harvesti ng 3. Distribu tion of farm machin eries to WUA	1.Establis hment of mobile veterinar y unit 2.Infertilit y and health care camp 3. Fodder developm ent 4. Training to farmers.	1.providi ng drying yard whereve r necessar y 2. Training and exposur e visit to farmers 3. supply of tarpalin & tonnage 4.Format ion of commodi ty group at village level 5. Formatio n of agri bussines s centre at selected place.	1.Reconst ruction of sluices and weirs. 2. Strengthe ning the tank bund. 3.Desiltin g the supply channels. 4.reconstr uction of cross masonrie s	

17	Theyanur Urathur Kavuthakudi Anumaneri Anaikudi	23.12.08	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide micro irrigation for chillies .Since water availability in tank is under dificit. 2. To provide farm ponds for water harvesting in tail end command area 3. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Micro irrigation system VIZ Drip or sprinkler shall be proposed for chillies 2. farm ponds may be provided wherever required 3. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,I high yielding varaity (for area expansion)		Incorporated this work component 1. sprinkler irrigation for chillies 2. providing farm ponds for water harvesting 3. Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	
18	Koraikulam S.Kodikulam Vappankulam	30.12.08 Photo	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide micro irrigation for chillies .Since water availability in tank is under dificit. 2. To provide farm ponds for water harvesting in tail end command area 3. to solve inadequacy	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Micro irrigation system VIZ Drip or sprinkler shall be proposed for chillies 2. farm	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,I high yielding varaity (for area expansion)		Incorporated this work component 1. sprinkler irrigation for chillies 2. providing farm ponds for water harvesti	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Format	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	

						for farm labour.							ponds may be provided where ver required 3. Farm machinery distribution is suggested to save labour							ng 3. Distribution of farm machineries to WUA		ion of commodity group at village level 5. Formation of agri bussiness centre at selected place.			
19	Melaseethai Pukkulam Kadambankudi Arukudi	5.1.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided where ver required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases	Though the farm pondcan be constructed under the component of AED the restoring and retention of water level in the farm ponds are expected to be filled up only by rain also the farmers do not have	1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,I high yielding varaity (for area expansion)		IIncorporated the work component of 1. providing farmy ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	To take up fish culture in farm pond a water level of minimum 1 to 1.50m depth of water should be maintained throughout culture period of minimum 6 months.Since no supplementary water source is available such as borewells no fishery activity in farm ponds has been proposed in most of the sub basin area. A minimum of 1 to 1.50m depth of water should be maintain in irrigation tanks for fish culturefor the period of 5 to
20	Malangudi Kovilanchathan	14.11.08	Storage in tank depends on seasonal rain fall forecost and it is up to the end of	High yielding variety needed in Horticulture Crop to		Farmers required 1. To provide farm	Farmers request 1. veterinary unit to	Formers Request 1.For providing drying yard		Farmers Request 1.For providing drying yard	1.Suitable cropping pattrn(less water consuming	High yielding variety K1 & K2 for		1. Farm ponds may be	1.Establishment of mobile veterinary unit	Yes, the problem mentioned by farmers	The request made by the farmer		1.SRI demo is proposed where	25% of ayacut area is proposed to		Incorporated the work compon	1.Establishment of mobile veterinary unit	1.providing drying yard whereve	1.Reconstruction of sluices and weirs. 2.	

	Moonjan Panaikulam Sirunanguneri Uthrakosamangai		cultivation period. Since the paddy is main crop farmers requested suitable measure.	replace local MUNDU variety in chillies		ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	all villages 2. Mineral mixture supply to cattles.	2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	samba season in chillies are recommended		provided where ver required 2. Farm machinery distribution is suggested to save labour	2.Infertility and health care camp 3. Fodder development	are correct, and to be fulfilled in this project.	are to be fulfilled except strengthening the tank bund in some cases	bore well to facilitate to maintain the water level The retention period of water level available at present for fish culture in irrigation tanks is about less than three months .The tanks are totally covered by thick prosophils. Hence the tanks should be renovated by deepening them to increase the dead storage through WRO	paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	plant Horticulture crop Chillie K1 , k2 ,l high yielding varaity (for area expansion)		ent of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	r necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	6 months per crop. Since the conservation of water in tanks to maintain the level is very difficuilt, noproposal for fish culture in most of the irrigation tanks in this sub basin.
21	Kalari Alangulam Nallirukkai Panayadiendal Ervadi Mayakulam Mallal	09.01.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide micro irrigation for chillies .Since water availability in tank is under dificit. 2. To provide farm ponds for water harvesting in tail end command area 3. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Micro irrigation system VIZ Drip or sprinkler shall be proposed for chillies 2. farm ponds may be provided where ver required 3. Farm machinery distrib	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.SRI demo is proposed where paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,l high yielding varaity (for area expansion)		Incorporated this work component 1. sprinkler irrigation for chillies 2. providing farm ponds for water harvesting 3. Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard wherever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	

															ution is suggested to save labour												
22	Pakkiriputhukulam																										
	Ekkakudi																										
	Kothankulam	19.1.09																									
	Vella Big	(photo)	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided wherever required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.SRI demo is proposed where paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,I high yielding varaity (for area expansion)		Incorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	
23	Deivachellanallur Kalaikudi Vithanur	22.01.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided wherever required 2. Farm machinery distribution is suggested	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.SRI demo is proposed where paddy is main crop 2.Maize demo,Pulses demo. 3.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,I high yielding varaity (for area expansion)		IIncorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard whereever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	

														to save labour								WUA		commodity group at village level 5. Formation of agri bussiness centre at selected place.		
24	Kodikulam Vella small Keelendal Vaigai	23.01.09	Storage in tank depends on seasonal rain fall forecost and it is up to the end of cultivation period. Since the paddy is main crop farmers requested suitable measure.	High yielding variety needed in Horticulture Crop to replace local MUNDU variety in chillies		Farmers required 1. To provide farm ponds for water harvesting in tail end command area 2. to solve inadequacy for farm labour.	Farmers request 1. veterinary unit to all villages 2. Mineral mixture supply to cattles.	Formers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity		Farmers Request 1.For providing drying yard 2.training to farmers 3.Supply of Tarpalin & Tonnage 4. Good price fixation of commodity	1.Suitable cropping pattrn(less water consuming crops such as maize ,pulses etc) is suggested according to the storage position in tanks. 2.SRI methodology is suitble where paddy is main crop.	High yielding variety K1 & K2 for samba season in chillies are recommended		1. Farm ponds may be provided where ver required 2. Farm machinery distribution is suggested to save labour	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development	Yes, the problem mentioned by farmers are correct, and to be fulfilled in this project.	The request made by the farmer are to be fulfilled except strengthening the tank bund in some cases		1.Maize demo,Pulses demo. 2.Training to Farmers.	25% of ayacut area is proposed to plant Horticulture crop Chillie K1 , k2 ,l high yielding varaity (for area expansion)		Incorporated the work component of 1. providing farm ponds for water harvesting 2.Distribution of farm machineries to WUA	1.Establishment of mobile veterinary unit 2.Infertility and health care camp 3. Fodder development 4. Training to farmers.	1.providing drying yard wherever necessary 2. Training and exposure visit to farmers 3. supply of tarpalin & tonnage 4.Formation of commodity group at village level 5. Formation of agri bussiness centre at selected place.	1.Reconstruction of sluices and weirs. 2. Strengthening the tank bund. 3.Desilting the supply channels. 4.reconstruction of cross masonries	

1.5. IRRIGATION INFRASTRUCTURE

LIST OF ANICUT

Sl.No	Anicuts	Village	Block	Taluk	District	Direct Ayacut in Ha	Capacity
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	---------- NIL ----------						-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

List of Tanks (System tanks)

Sl.No	Name of Supply channel	Village	Block	Taluk	District	Direct Ayacut in Ha	Capacity
1	2	3	4	5	6	7	8
1	Vengalure Tank	Vengalure	Paramakudi	Paramakudi	Ramanathapuram	127.87	38.24
2	Urakudi Small tank	Urakudi				20.22	2.47
3	Urakudi Big tank	Urakudi				162.42	49.72
4	Athiendal Tank	Kamudhakudi				23.07	9.41
5	Sangakottai Tank	Sangakottai				30.57	12.08
6	Madanthai Tank	Madanthai				70.98	17.54
7	Padayanendal Tank	Padayanendal				15.16	4.58
8	Kandakulam Tank	Kandakulam				15.25	6.25
9	M.Nedungulam Tank	M.Nedungulam				104.62	13.63
10	Valangudi Tank	Valangudi				21.20	8.53
11	Kamudhakudi Tank	Kamudhakudi				315.69	64.76

12	Andakudi Tank	Andakudi				43.10	8.50
13	Kulavipatti Tank	S.Andakudi				43.11	15.35
14	Melayakudi Tank	Melayakudi				213.66	131.78
15	Nandupatti Tank	Kattu Paramakudi				34.15	9.52
16	Vilathur Tank	Vilathur				125.63	36.68
17	Tholur Tank	Tholur				68.21	37.27
18	Kanjiendal Tank	Kanjiendal				47.86	6.53
19	S.Kavanoor Tank	S.Kavanoor				73.57	25.20
20	Thenpoduvakkudi Tank	Thenpoduvakkudi				67.83	12.98
21	Pamboor Tank	Pamboor				100.09	49.70
22	Thalaikal Tank	Thenpoduvakkudi				20.06	8.27
23	Udaikulam Tank	Udaikulam				17.40	12.48
24	Poduvakudi Tank	Poduvakudi				84.68	12.74
25	Venkatankurichi Tank	Venkatankurichi				121.50	1.14
26	Pambuvilundan Tank	Kattu Paramakudi				52.08	0.30
27	Sundanendal Tank	Kattu Paramakudi				37.48	15.85
28	Thelichathanallur Tank	Kattu Paramakudi				65.46	16.10
29	Kattu Paramakudi Tank	Kattu Paramakudi				119.61	59.00
30	vendoni Tank	vendoni				198.34	36.90

31	K.Karungulam Tank	K.Karungulam				42.46	19.55
32	Vagaikulam Tank	Vagaikulam				15.94	7.33
33	Keelakottai	Keelakottai	Bogalur	Paramakudi	Ramanathapuram	59.24	12.46
34	Ariyakudi	Ariyakudi				163.24	31.65
35	Seemanur big	Seemanur big				80.00	17.15
36	Semanur small	Semanur small				41.49	12.59
37	S.kodikulam	S.kodikulam				88.10	8.13
38	Urathur	Urathur				49.41	6.72
39	Theeyanur	Theeyanur				140.91	25.26
40	Kavuthakudi	Kavuthakudi				62.50	40.60
41	Inakkam priyan	Inakkam priyan				16.71	0.21
42	Koraikulam	Koraikulam				15.63	0.25
43	Vepankulam	Vepankulam				28.58	0.39
44	Nilayambadi Tank	Nilayambadi				57.00	12.25
45	Keelakodumalur Tank	Keelakodumalur	Mudhukulathur	Mudhukulathur	Ramanathapuram	76.88	21.77
46	Nallukurichi Tank	Nallukurichi				107.96	23.13
47	Vikkirapandiyapuram Tank	Vikkirapandiyapuram				39.43	16.00
48	Sellur Tank	Sellur				206.71	30.28
49	Pulikulam Tank	Pulikulam				66.17	14.16

50	Thiruvakki Tank	Thiruvakki				28.44	12.55
51	Paranthan Tank	Paranthan				16.33	6.18
52	Surankulam Tank	Surankulam				15.96	4.67
53	Erumaipatti Tank	Erumaipatti				15.44	6.92
54	Keelapanaiyadiendal Tank	Keelapanaiyadiendal				28.09	10.29
55	Veneervoikkal Tank	Veneervoikkal				47.28	13.20
56	Keelakanniseri Tank	Keelakanniseri				14.50	13.14
57	Vengalankurichi Tank	Vengalankurichi				95.92	36.76
58	Neerkundram Tank	Neerkundram				17.11	7.22
59	Vadapuliyankudi Tank	Vadapuliyankudi				52.30	38.30
60	Puliyankudi Tank	Puliyankudi				117.70	35.42
61	Posukudi Tank	Posukudi				61.87	12.67
62	Athanakurichi Tank	Athanakurichi				32.22	10.65
63	Kakkur Tank	Kakkur				226.03	68.41
64	Magindi Tank	Magindi				46.91	11.54
65	Alankannur Tank	Alankannur				80.50	20.09
66	Pirabakkulur Tank	Pirabakkulur				41.19	15.86
67	Meesal Tank	Meesal				28.07	14.60
68	Pokkanarendal Tank	Pokkanarendal				19.39	6.50

69	Ponnakkaneri Tank	Ponnakkaneri				31.51	12.55
70	Ulaiyur Tank	Ulaiyur				62.66	12.10
71	Kodarendal Tank	Kodarendal				23.97	6.84
72	Ponnakkaraiendal Tank	Ponnakkaraiendal				11.45	4.65
73	Valanadu Tank	Valanadu				119.81	60.10
74	Kumaranendal Tank	Kumaranendal				54.82	28.78
75	Uthirakosamangai	Uthirokosamangai	Thiruppulani	Ramanathapuram	Ramanathapuram	117.48	5.77
76	Kalari	Kalari				717.48	3.06
77	Malankudi	Malankudi				116.50	15.77
78	Kovilanchathan	Malankudi				26.22	4.73
79	Moonjan	Mallal				42.47	4.83
80	Sirunaguneri	Mallal				20.87	5.11
81	Vadavalankulam	Malankudi				23.90	15.83
82	Kalakudi	Malankudi				29.18	6.52
83	Kadambankudi	panaikulam				46.51	3.10
84	Pukkulam	Panaikulam				41.21	8.57
85	Nallankudi	Panaikulam				54.44	48.44
86	Panaikulam	Panaikulam				37.80	1.95
87	Melaseethai	Malankudi				48.16	2.08

88	Pakkiriputhukulam	Ekkakudi				42.99	9.46
89	Ekkakudi	Ekkakudi				102.41	20.85
90	Deivachilainallur	Vella				128.59	10.56
91	Vella Big Tank	Vella				139.29	48.44
92	K.Kodikulam	Vella				39.74	2.08
93	Vella small	Vella				37.80	1.95
					TOTAL	**6901.74**	

List of Tanks (Non -System tanks)

Sl.No	Name of Tank	Village	Block	Taluk	District	Direct Ayacut in Ha	Capacity Mcft.
1	Kalaiyur Small Tank	Kalaiyur	Paramakudi	Paramakudi	Ramanathapuram	65.77	1239.00
2	T.Karungulam	T.Karungulam	Bogalur			43.30	1170.00
3	Pandi konmoi	Pandi konmoi				40.54	2054.00
4	A.Puthur	A.Puthur				120.67	3250.00
5	Anumaneri	Anumaneri				55.65	640.00
6	Keelambal	Keelambal				55.23	1680.00
7	Anaikudi	Anaikudi				42.55	1697.00
8	Ervadi	Ervadi	Kadaladi	Kadaladi		53.20	27.96
9	Muthukulathur Tank	Muthukulathur	Muthukulathu	Muthukulathu		312.45	705.00
10	Nochikulam Tank	Nochikulam				40.00	360.60
11	Valukkaikulam Tank	Valukkaikulam				48.69	312.99
12	Vilangulathur Tank	Vilangulathur				73.63	1212.75
13	Thadangani Tank	Thadangani				41.77	752.40
14	Puluthikulam Tank	Puluthikulam				44.13	206.30
15	Sathanur Tank	Sathanur				80.05	1215.08

16	Sambakulam Tank	Sambakulam				63.89	927.20
17	Thiruvarangam Tank	Thiruvarangam				66.52	558.00
18	Kolundarai Tank	Kolundarai				55.12	985.00
19	Mallal	Mallal	Thiruppullani	Ramanathapuram		142.00	1873.08
20	Alangulam	Alangulam				93.05	1608.50
21	Nallirukkai	Nallirukkai				149.57	1376.00
22	Mayakulam	Mayakulam				49.76	345.60
23	Kothankulam	Kothankulam				57.17	348.44
24	Vaigai	Vaigai				51.31	641.00
25	Vithanur	Vithanur				62.21	660.00
26	Keelandal	Keelandal				44.74	93.67
27	Panayadiendal	Panayadiendal				100.67	741.00
					Total	**2053.62**	

List of Supply Channel

Sl.No	Name of Supply channel	Offtake Point	Length in Km	Village	Block	Taluk	District	Tank Ayacut in Ha
I	Right Main Canal Below Parthibanur Regulator	Parthibanur regulator	3700	Perungarai	Paramakudi	Paramakudi	Ramanathapuram	
A	Venunatha Udaiyar Branch channel	RMC at LS 7781 M			"	"		
	Reach - I	"	1215		"	"		
	Reach - II	"	1854		"	"		
	Reach - III	"	570		"	"		
	Reach - IV	"	900		"	"		
	Reach - V	"	2511		"	"		
	Tank feeder channels				"	"		
	Vengalur	Venunathaudaiyar Channel at LS 1215m	2500	Vengalur	"	"		127.87
	Urakudi	" LS 3069 m	3510	Urakudi	"	"		162.42
	Madanthai	" LS 3639 m	1530	Madanthai	"	"		70.98
	Athiendal	" LS 3639 m	480	Kamuthakudi	"	"		23.07
	Sankakottai	" LS 3639 m	1150	Sankakottai	"	"		30.57
	Pulikulam	" LS 3639 m	800	Pulikulam	"	"		66.17
	KeelaKodumalur Branch	Venunathaudaiyar			"	"		76.88

		Channel at LS 4539m						
	LS 0 M- 1320M	"	1320		"	"		
	LS 1320M- 3520M	"	2200		"	"		
	LS 3520M -4550M	"	1030		"	"		
	LS 4550M- 5920M	"	1370		"	"		
	Tank feeder channels	"			"	"		
	M.Nedungulam	" LS 1320m	1300	M.Nedungulam	"	"		104.62
	Nallukuirchi	" LS 3520m	2610	Nallukuirchi	Muthukulathur	Muthukulathur		107.96
	Kandakulam	" LS 3765m	600	Kandakulam	Paramakudi	Paramakudi		15.25
	Valankudi	" LS 4550m	250	Valankudi	"	"		21.20
	Vikkirapandiyapuram	" LS 4550m	3500		Muthukulathur	Muthukulathur		39.43
B	Kamudhakudi Branch Channel	RMC at LS 8426 m	2100		Paramakudi	Paramakudi		315.69
C	Koothankal Branch channel	RMC at LS 8497 m			"	"		
	Reach - I	"	780		"	"		
	Reach - II	"	6960		"	"		
	Reach - III	"	1545		"	"		
	Reach - IV	"	11315		"	"		
	Reach - V	"	1640		Muthukulathur	Muthukulathur		
	Reach -VI	"	3560		"	"		
	Reach -VII	"	1900		"	"		

	Reach -VIII	"	5350		"	"		
	S.Andkudi	Kothangal channel At LS 780m	2050	S.Andkudi	Paramakudi	Paramakudi	Ramanathapuram	43.10
	Kolavipatti	" LS 4250 m	1400	S.Andkudi	"	"		43.11
	Melayakudi	" LS 4250 m	3300	Melayakudi	"	"		213.66
	Vilathur	" LS 5550 m	2900	Vilathur	"	"		125.63
	Tholur	" LS 5800 m	2500	Tholur	"	"		68.12
	Kanjiendal	" LS 9000 m	550	Kanjiendal	"	"		45.86
	S.Kavanur	" LS 9600 m	2300	S.Kavanur	"	"		47.86
	Thenpoduvakudi	" LS 9800 m	2400	Thenpoduvakudi	"	"		67.83
	Pamboor	" LS 12800 m	1200	Pamboor	"	"		100.09
	Thaliakkal	" LS 13300 m	200	Thenpoduvakudi	"	"		20.06
	Udaikulam	" LS16300 m	900	Udaikulam	"	"		17.40
	Magindi	" LS 18960 m	1900	Magindi	Muthukulathur	Muthukulathur		46.91
	Venkalakurichi	" LS 21950 m	2150	Venkalakurichi	"	"		95.92
	Alankanur	" LS 22240 m	700	Alankanur	"	"		80.50
	Ponnakkaraiendal	" LS 25800m	650	Ponnakkaraiendal	"	"		11.45
	Meesal	" LS 25950m	900	Meesal	"	"		28.07
	Pirabakkalur	" LS 27700 m	1600	Pirabakkalur	"	"		41.19
	Ulaiyur	" LS 28250 m	1900	Ulaiyur	"	"		62.66

	Kodarendal	" LS 29950 m	300	Kodarendal	"	"		23.97
	Ponnakkaneri	" LS 31750 m	350	Ponnakkaneri	"	"		31.51
	Valanadu	" LS 31750m		Valanadu	"	"		119.81
	Puliyankudi Branch	Kothangal channel At LS 24150m			"	"		
	Puliyankudi	LS 0 m	4750	Puliyankudi	"	"		117.70
	Surankulam	LS 2800 m	900	Surankulam	"	"		15.96
	Erumaipatti	LS 3210 m	500	Erumaipatti	"	"		15.46
	Posukudi	LS 3520 m	600	Posukudi	"	"		61.87
	Neerkundram	LS 3850 m	500	Neerkundram	"	"		17.11
	Kakkur Branch channel	Kothangal channel At LS 21800m	8000		"	"		226.03
	Tank Feeder Channels				"	"		
	Keelakanniseri	LS 2500m	150		"	"		14.50
	Thiruvakki	Ls 4250 m	550		"	"		28.44
	Keelapanaiyadiendal	LS 5640m	300		"	"		28.09
D	Poduvakudi Branch channel	RMC at LS 9090m	10800					
	Tank feeder channels							
	Poduvakudi	LS 2500m	2450					
	Pambuvilundan	LS 6450m	970					

E	Sundanendal Branch channel	RMC at LS 10320m	1000					
F	Thellichathanallur Branch Channel	RMC at LS 10427 m	2450					
G	Kattuparamakudi Branch Channel	RMC at LS 14700 m	1500					
H	Vendoni Branch Channel	RMC at LS 18872 m	600					
I	Sellur Branch Channel	RMC at LS 20356m	11000		"	"		
	Tank feeder channels				"	"		
	K.Karungulam	LS 3800 m	1000		"	"		42.46
	Nilayambadi	Ls 5420 m	1650		"	"		57.00
J	**Kalari Branch Channel**	**1600-2115**	**515**					
	Kalari Branch Channel	**2115-5340**	**3225**					
	Kalari Branch Channel	**5340-6355**	**1015**					
	Ariyakudi & Keelakottai Supply Channel	6355	4150					59.24
			1950	Ariyakudi				163.24
	Kalari Branch Channel	**6355-8115**	**1760**		Bogalur			
	Kalari Branch Channel	**8115-9400**	**1285**					
	Kalari Branch Channel	**9400-11275**	**1875**					
	Semanur supply channel	11275	1650	Semanur				80.00
	Kalari Branch Channel	**11275-12145**	**870**					
	Theeyanur supply channel	12145	3000	Theeyanur		Paramakudi	Ramanathapuram	140.91

	Kalari Branch Channel	**12145-14795**	**2650**					
	S.Kodikulam Supply Channel	12845	2800	S.Kodikulam				88.10
	Kavuthakudi Supply Channel	14725	700	Kavuthakudi				62.50
	Enakkampriyan Supply Channel	14795	1500	Enakkampriyan				16.71
	Kalari Branch Channel	**14795-15475**	**680**					
	Kalari Branch Channel	**15475-17095**	**1650**					
	Urathur Supply Channel	15495	1650	Urathur				49.46
	Vadavalangulam Supply Channel	16575	1500	Vadavalangulam	Thiruppulani	Ramanathapuram		50.85
	Malangudi Supply Channel	17095	1300	Malangudi				117.55
	Kalari Branch Channel	**17095-17825**	**730**					
	Nallangudi Supply Channel	17825	1600	Nallangudi				47.01
	panaikulam Supply Channel	17825	1600	panaikulam				91.91
	Pukkulam Supply Channel	17825	1600	Pukkulam				61.77
	Kalari Branch Channel	**17825-21395**	**3570**					
	Kadambankudi Supply Channel	18255	1500	Kadambankudi				69.00
	Kalakudi Supply Channel	20355	2500	Kalakudi				57.43
	Kalari Branch Channel	**21395-22535**	**1140**					
	Kalari Branch Channel	**22535-25275**	**2740**					
			202575					

	Sathanur	Regunatha cauvery Chl	3000					
	Panayadiendal	Regunatha cauvery Chl	3000	Panayadiendal	Kadaladi	Kadaladi		246.51
	Mallal	Regunatha cauvery Chl	5400	Mallal				142.00
	Alangulam	Regunatha cauvery Chl	2400	Alangulam				93.05
	Nallirukki	Regunatha cauvery Chl	700	Nallirukki				149.57
	Ragunatha Gauvery Channel		41900		Nuthukulathur & Kadaladi	Nuthukulathur & Kadaladi		
	TOTAL		**258975**					**4908.25**

List of tanks/ Anicuts executed under various schemes (Viz ,IWRM, Part II scheme, NABARD , WRCP I etc.,) since 2000

Sl.No	Name of anicut / Tank	Ayacut (Ha.)	Scheme in which executed	Amount	Details of components executed	Remarks
1	Urakudi Small Tank	20.22	IWRM Project for Ramnad District- (2005-06)	7.29	Stantadisation of tank bund , Sluices and Weir	
2	Valukkaikulam Tank	48.69	IWRM Project for Ramnad District- (2004-05)	16.36	Stantadisation of tank bund , Sluices and Weir	
3	Vilankalathur Tank	73.63	IWRM Project for Ramnad District- (2004-05)	16.68	Stantadisation of tank bund , Sluices and Weir	
4	Sampakulam Tank	63.89	IWRM Project for Ramnad District- (2004-05)	16.76	Stantadisation of tank bund , Sluices and Weir	
5	Ervadi Tank	53.2	IWRM Project for Ramnad District- (2004-05)	12.15	Stantadisation of tank bund , Sluices and Weir	
6	Kavuthakudi Tank	62.5	IWRM Project for Ramnad District- (2005-06)	28.68	Stantadisation of tank bund , Sluices and Weir	
7	Uthrakosamangaiyar Tank	117.48	IWRM Project for Ramnad District- (2005-06)	37.51	Stantadisation of tank bund , Sluices and Weir	
8	Melaseethai Tank	48.16	IWRM Project for Ramnad District- (2005-06)	9.39	Stantadisation of tank bund , Sluices and Weir	
9	Nallankudi Tank	54.44	IWRM Project for Ramnad District- (2005-06)	12.17	Stantadisation of tank bund , Sluices and Weir	
10	Panaikulam Tank	37.8	IWRM Project for Ramnad District- (2005-06)	15.96	Stantadisation of tank bund , Sluices and Weir	
11	Kalari Tank	717.48	IWRM Project for Ramnad District- (2004-05)	135.00	Stantadisation of tank bund , Sluices and Weir	
	TOTAL	**1297.49**				

ABSTRACT ON THE DETAILS OF IRRIGATION INFRASTRUCTURE AVAILABLE AND WORKS TAKEN UP UNDER IAMWARM PROJECT

Name of Sub Basin: Uthirakosamangaiyar

Sl.No	DETAILS	ANICUT			SYSTEM TANK			NON - SYSTEM TANK			ANY OTHER SUPPLY CHANNEL		REMARKS
		NOS	SUPPLY CHANNEL IN KM	DIRECT AYACUT	NOS	SUPPLY CHANNEL IN KM	AYACUT	NOS	SUPPLY CHANNEL IN KM	AYACUT	LENGTH (k.m)	DIRECT AYACUT	
1	Available infrastructure in sub absin	-	-	-	93	202.58	6901.74	27	56.40	2053.62	-	-	-
2	infrastructure excludeed in IAMWARM project since works carried out under various scheme from 2000	-	-	-	7	133.62	1058.08	4	6.30	239.41	-	-	-
3	Infrastructure that does not require any rehabilitation works	-	-	-	-	-	-	-	41.90	-	-	-	-
4	works taken up in IAMWARM project.	-	-	-	86	68.96	5843.66	23	8.20	1814.21	-	-	-

1.Certified that the Panchayat Union Tanks are not considered in this project.

2.Ceritified that the components of the tanks executed under various schemes (Viz, IWRM , WRCP I , NABARD , PART II schemes etc.,) since 2000 were not proposed in this project.

1.6. REHABILITATION OF IRRIGATION INFRASTRUCTURE

1.6.REHABILITATION OF IRRIGATION INFRASTRUCTURE:-

The actual constraints & deficiencies in the sub basin area and the action taken by WRO for their remedial measures are narrated below.

Component	Category	Constraints and Deficiencies	Countermeasures by WRO
Conveyor System	Catchment Area	NIL	NIL
	Anicut	NIL	NIL
	Flood Carrier Supply channels and their cross masonry works	• The existing supply channels of Vaigai system tanks and the flood carrier , its feeder channel to non system tanks have lost their carrying capacity due to heavy setup and accumulation of jungle growth • The control structures at off take points are in full damaged condition .There are no control structures at some off take points to regulate the supply to tanks • Channel bunds are damaged by village people and small vehicles wherever village roads are crossing • Boundaries is to be demarked to avoid encroachment	• Desilting the Supply channels & flood carrier using machineries • Providing Bed bars at an interval of 200m in order to maintain the bed level in future • Protection walls are to be constructed at vulnerable reaches • The existing damaged control structures such as off take sluices, Dividing dam etc are to be reconstructed. New control structures are to be constructed at open off take points with shutter arrangements. • C.T.Culvert are to be constructed wherever necessary • The boundaries of the channel is to be demarcated by fixing R.C.C. pillars

Storage system	Tanks	• The tanks have lost their designed capacity because of heavy sit up in bed and poor standard of bund along with thick jungle growth • Due to dilapidated (or) repaired condition of the sluices and weir , there is uncontrolled delivery from the tank resulting to water loss. • Encroachment is made at few places.	• Tank bund area to be fully standardized using machineries along with consolidation with power rollers • Providing free board of 1.50m for bund whose height is above 3m • Providing Turfing to rear slope of bund • Providing protection walls at vulnerable reaches with cattle cross arrangements • The dilapidated sluices and weirs are to be reconstructed which control water delivery from tank into command area • Providing plug and plug rod arrangements to sluices and S.G shutters to scour vents of weir • Providing measuring devices for better water management • Providing R.C.C pillars to demarcate the boundaries of tank bund
	Irrigation Management	• Over drawl of water in the head reaches irrelevant to the actual needs of crop Leads to considerable loss of water • Non possibility of equal distribution to tail end arises conflict among the farmers • Water Budgeting.	• Evolving a cropping pattern and arriving at the water demand matching with the water availability (Storage position & Season rainfall forecast) during the cultivation period. • Water distribution is to be planned and scheduled based on actual crop water requirement cropping pattern,effective rainfall and available storage in the tanks.

			• Farmers training and awareness development to be carried out for economic and effective utilization of water in the command area in order to improve irrigation efficiency • Formation of WUAs and their effective functioning , is to be encouraged to entertain better water management as pointed above.
	Agricultural practice	• Traditional old practice is being adopted by the farmers • Non adoption of proper cropping pattern • Water balance for agriculture purpose is under deficit.	• Extension of modern agricultural technology is to be explored for increasing the productivity in profitable crops. • Suitable cropping pattern is to be adopted for devising the optimal benefit using less unit of water • Conjunctive use of ground water in sources wherever possible is to be encouraged among the farmers

Vision for Ramanathapuram District under IAMWARM Project.

- To improve the socio –economic status of the poor
- Water for life existence
- Ensure food for all living being (human and Animal population)
- Boosting food production and eradicating poverty
- Irrigation Development
- Sustainable , economically viable and optimal production with minimum resources
- Uplifting the standard of life of farmers
- Increase the cattle population and milk production
- Increased green fodder cattle population

- Profit oriented crop diversification
- Informed farmers

Expected Out come:-

1.Increase in conveyance efficiency by 10% (From 43 % to 53 %)

2.The present Gap area of 1051.63.Ha. is to be converted as a fully irrigated water.

3.The following irrigation infrastructure development works area implemented in the sub basin.

a) Rehabilitation works of supply channel for 104.45Km.

b) Rehabilitation works for 109 tanks.

Details of proposals in each infrastructure of the Sub Basin

Value in Lakhs

Sl. No	Offtake Points	Supply Channel								Sl. No	Name Of Tank	Tank										Total
		Main Channel (or) Branch channel										Strengthening Tank Bund		Sluice Reconstruction		Weir Reconstruction		RCC Boundary Pillars		Measuring device		
		Protection Wall		Head Sluice		Desilting with Bed bars		Cross Masonry (G.wall, Culvert ect..)														
		Length M	Value	Nos.	Value	Length M	Value	Nos.	Value			Length M	Value	Nos.	Value	No	Value	Nos	Value	Nos	Value	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
I	**Right Main Canal LS.6000m-7000m**	1000	153.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153.48
A	Venunatha Udaiyar Branch channel-(Head sluice)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS 0M - 1215M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS 1215M - 3069M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS 3069M - 3639M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS3639 M - 4539M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Keelakodumalur Branch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS 0m - 1320m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	LS 1320m - 3520m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	LS 3520m - 4550m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tank Feeder Channel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vengalur Supply Channel	-	-	-	-	-	-	-	-	1	Vengalur	-	-	3	7.26	-	-	138	0.68	3	0.45	8.39
	UrakudiSupply channel	-	-	-	-	3510	4.95	-	-	2	Urakudi Big	-	-	3	6.97	-	-	125	0.62	3	0.45	12.99
	Madanthai Supply channel	-	-	1	3.68	-	-	-	-	3	Madanthai	-	-	3	7.44	-	-	106	0.53	3	0.45	12.10
	Athiendal Supply channel	20	1.27	1	0.68	-	-	-	-	4	Athiendal	-	-	3	6.26	-	-	72	0.35	3	0.45	9.01
	Sangakottai Supply channel	-	-	1	0.80	-	-	-	-	5	Sangakottai	-	-	3	6.33	-	-	44	0.22	3	0.45	7.80
	-	-	-	-	-	-	-	-	-	6	Padayanendal	-	-	3	6.49	-	-	47	0.23	3	0.45	7.17
	-	-	-	-	-	-	-	-	-	7	Kumaranendal	-	-	3	6.47	-	-	64	0.32	3	0.45	7.24
	Pulikulam Supply channel	-	-	1	0.89	-	-	-	-	8	Pulikulam	-	-	4	9.61	-	-	134	0.66	4	0.6	11.76
	Keelakodumalur Branch	-	-	-	-	-	-	1	3.63	9	Keelakodumalur	3627	18.45	3	7.03	-	-	-	-	3	0.45	29.56
	M.Nedungulam Supply channel	-	-	-	-	-	-	-	-	10	M.Nedungulam	2360	14.59	5	12.02	-	-	-	-	5	0.75	27.36
	Nallukurichi Supply	-	-	-	-	-	-	1	1.4	11	Nallukurichi	3513	21.69	3	7.38	1	7.85	-	-	3	0.45	38.77

	channel																					
-	Kandakulam Supply channel	-	-	-	-	-	-	-	-	12	Kandakulam	-	-	1	2.15	-	-	44	0.22	1	0.15	2.52
-	Valangudi Supply channel	-	-	-	-	-	-	-	-	13	Valangudi	-	-	2	4.79	-	-	76	0.38	2	0.3	5.47
-	Vikirapandipuram Supply channel	-	-	-	-	-	-	-	-	14	Vikirapandipuram	-	-	3	7.87	-	-	106	0.53	3	0.45	8.85
B	Kamudhakudi Branch Channel	-	-	-	-	-	-	-	-	15	Kamudakudi	-	-	2	4.96	-	-	167	0.82	2	0.3	6.08
-	-	**1020**	**154.75**	**4**	**6.05**	**3510**	**4.95**	**2**	**5.03**	-	-	**9500**	**54.73**	**44**	**103.03**	**1**	**7.85**	**1123**	**5.56**	-	**6.6**	**348.55**
C	Koothankal Branch channel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS 0m- 780m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS 780m- 7740m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS7740m-9285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS9285m-20600m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Kakkur Branch channel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS0m - 8000m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Tank Feeder Channel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	S.Andakudi Supply	-	-	-	-	-	-	-	-	16	Andakudi	2271	14.80	3	6.57	-	-	-	-	3	0.45	21.82

	channel																						
	Nandupatti Supply channel									17	Nandupatti	1700	10.95	2	5.27					2	0.3	16.52
	Melayakudi Supply channel									18	Malayakudi			3	8.34			176	0.87	3	0.45	9.66
	Kolavipatti Supply Channel									19	Kolavipati	2500	15.85	2	5.29					2	0.3	21.44
	Vilathur Supply Channel									20	Vilathur			3	8.30			84	0.62	3	0.45	9.37
	Tholur Supply Channel									21	Tholur			2	5.13			150	0.75	2	0.3	6.18
	Kanjiendal Supply Channel									22	Kanjiendal			3	6.63			100	0.5	3	0.45	7.58
										23	S.kavanur	3480	25.24							0	0	25.24
	Thenpoduvakudi Supply Channel									24	Thenpoduvakudi	3400	22.38	2	5.29					2	0.3	27.97
	Pamboor Supply Channel									25	Pamboor			3	8.34			146	0.73	3	0.45	9.52
	Thailkkal Supply Channel									26	Thalaikal			3	6.52			71	0.35	3	0.45	7.32
	Udaikulam Supply Channel									27	Udaikulam			3	6.39			66	0.33	3	0.45	7.17
	Magindi Supply Channel									28	Magindi			3	7.09			124	0.62	3	0.45	8.16

-	Kakkur Branch Supply Channel	-	-	-	-	8000	13.12	-	-	29	Kakkur	5120	36.87	2	5.09	-	-	-	-	2	0.3	55.38
-	-	-	-	-	-	-	-	-	-	30	Parathan'	-	-	2	4.12	-	-	58	0.29	2	0.3	4.71
-	Keelakanniseri Supply Channel	-	-	-	-	150	0.21	-	-	31	Keelakanniseri	-	-	2	4.41	-	-	64	0.32	2	0.3	5.24
-	Thiruvakki Supply Channel	-	-	-	-	550	0.74	-	-	32	Thiruvakki	-	-	1	2.56	-	-	74	0.37	1	0.15	3.82
-	-	-	-	-	-	-	-	-	-	33	Vannervoikal	-	-	1	2.17	-	-	76	0.38	1	0.15	2.70
-	Keelapanaiyadiendal Supply Channel	-	-	-	-	300	0.43	-	-	34	Keelapanaiyadiendal	-	-	3	7.55	-	-	82	0.41	3	0.45	8.84
-	Athanakurichi Supply Channel	-	-	-	-	-	-	-	-	35	Athanakurichi	-	-	3	7.57	-	-	100	0.5	3	0.45	8.52
-	-	-	-	-	-	**9000**	**14.50**	-	-	-	-	**18471**	**126.09**	**46**	**112.63**	-	-	**1371**	**7.04**	**46**	**6.90**	**267.16**
-	Koothankal channel - (Valanad Branch)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS20600m-22240m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS2240m-25800m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS25800m-27700m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	LS27700m-33050m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Valanadu Supply Channel	-	-	-	-	-	-	-	-	36	Valanadu	5800	37.65	5	13.84	1	11.00	-	-	5	0.75	63.24
-	Venkalakurichi	-	-	-	-	-	-	-	-	37	Venkalakurichi	3490	21.79	3	7.61	-	-	-	-	3	0.45	29.85

	Supply Channel																						
-	Alankanur Supply Channel	-	-	-	-	-	-	-	-	38	Alankanur	2743	17.20	3	7.35	-	-	-	-	3	0.45	25.00
-	Surankulam Supply Channel	-	-	-	-	-	-	-	-	39	Surankulam	-	-	2	4.28	-	-	71	0.36	2	0.3	4.94
-	Erumaipatti Supply Channel	-	-	-	-	-	-	-	-	40	Erumaipatti	-	-	2	4.56	-	-	58	0.29	2	0.3	5.15
-	Posukudi Supply Channel	-	-	-	-	-	-	-	-	41	Posukudi	-	-	3	6.30	-	-	86	0.43	3	0.45	7.18
-	Puliyangudi Supply Channel	-	-	-	-	-	-	-	-	42	Puliyankudi	3084	19.62	3	7.40	-	-	-	-	3	0.45	27.47
-	Neerkundram Supply Channel	-	-	-	-	-	-	-	-	43	Neerkundram	-	-	2	4.29	-	-	45	0.22	2	0.3	4.81
-	-	-	-	-	-	-	-	-	-	44	Vadapuliyankudi	-	-	2	4.13	-	-	44	0.22	2	0.3	4.65
-	Ponnakakaraiendal Supply Channel	-	-	-	-	-	-	-	-	45	Ponnakkaraiendal	-	-	1	2.18	-	-	42	0.21	1	0.15	2.54
-	Pirabakkalur Supply Channel	-	-	-	-	-	-	-	-	46	Pirabakkalur	1500	9.86	2	4.30	1	11.34	-	-	2	0.3	25.80
-	Meesal Supply Channel	-	-	-	-	-	-	-	-	47	Meesal	-	-	3	6.62	-	-	72	0.36	3	0.45	7.43
-	Ulaiyur Supply Channel	-	-	-	-	-	-	-	-	48	Ulaiyur	2286	13.50	3	7.09	-	-	-	-	3	0.45	21.04
-	Kodarendal Supply Channel	-	-	-	-	-	-	-	-	49	Kodarendal	-	-	3	7.97	-	-	68	0.34	3	0.45	8.76

-	Ponnakkaneri Supply Channel	-	-	-	-	-	-	-	-	50	Ponnakkaneri	-	-	3	7.98	-	-	42	0.21	3	0.45	8.64
-	-	-	-	-	-	-	-	-	-	51	Pokkaranendal	-	-	2	4.93	-	-	84	0.43	2	0.3	5.66
-	Tank feeder Channel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D	Poduvakkudi Branch channel	-	-	-	-	2450	3.95	-	-	52	Poduvakudi	-	-	3	7.48	-	-	85	0.42	3	0.45	12.30
-	Pambuvilunthan Supply Channel	-	-	-	-	970	1.6	-	-	53	Pambuvilunthan	2042	12.68	3	6.92	-	-	-	-	3	0.45	21.65
E	Sundanendal Branch channel	-	-	-	-	1000	1.25	-	-	54	Sundanendal	-	-	2	4.47	-	-	78	0.38	2	0.3	6.40
F	Thelichathanallur Branch channel	-	-	-	-	2450	3.22	-	-	55	Thelichathanallur	-	-	3	7.49	-	-	84	0.41	3	0.45	11.57
G	Kattuparamakudi Branch channel	-	-	-	-	1500	2.38	-	-	56	Kattuparamakudi	-	-	4	10.98	-	-	132	0.65	4	0.6	14.61
H	Vendoni Branch Channel	-	-	-	-	600	0.92	-	-	57	Vendoni	-	-	4	10.52	-	-	181	0.89	4	0.6	12.93
-	Venkadakurichi Supply Channel	-	-	-	-	10800	14.79	-	-	58	Venkatankurichi	-	-	3	7.28	-	-	182	0.9	3	0.45	23.42
I	Selllur Branch Channel	-	-	-	-	11000	18.02	-	-	59	Sellur	4877	32.23	2	5.69	-	-	-	-	2	0.3	56.24
-	K.Karungulam Supply Channel	-	-	-	-	1000	1.26	-	-	61	K.Karungulam	-	-	2	4.92	-	-	116	0.58	2	0.3	7.06

										61	Vagaikulam	1400	9.08	1	2.07					1	0.15	11.30
	Niayambadi Supply Channel					1650	2.43			62	Niayambadi	2750	17.42	3	7.59					3	0.45	27.89
										63	Kalaiyur small			3	7.39			149	0.76	3	0.45	8.60
						33420	**49.82**					**29972**	**191.03**	**75**	**183.63**	**2**	**22.34**	**1619**	**8.06**	**75**	**11.25**	**466.13**
											Non - System Tanks											0.00
										64	Nochikulam	2250	18.43	3	11.01					3	0.61	30.05
										65	Thadankini	1097	9.56	4	12.14					4	0.82	22.52
										66	Puluthikulam			3	9.40					4	0.82	10.22
	Sathanur tank S.Chl					3000	3.98			67	Sathanur	3331	19.16	1	4.61					1	0.2	27.95
										68	Muthukulathur			5	1.50			200	1.00			2.50
										69	Thiruvarangam							100	0.50	4	0.82	1.32
										70	Kolundurai			1	3.41	1.00	3.41	100	0.50	1	0.20	7.52
		0		**0**		**3000**	**3.98**	**0**	**0**			**6678**	**47.15**	**17**	**42.07**	**1.00**	**3.41**	**400**	**2.00**		**3.47**	**102.08**

		Tank															Supply Channel							
Sl No	Name of tank	Tankbund		Recons.of sluice		Repairs to sluice		Recons.of weir/regulator		Weir repair/regulator		Construction of retaining wall		Measuring device		Sub Total	Supply channel/ surplus course		Head sluices		cross Masonry		Sub Total	Total
		Length (m)	Amount	Qty (nos)	Amount	Qty (nos)	Amount	Qty (nos)	Amount	Qty (nos)	Amount	Length (m)	Amount	Qty (nos)	Amount		Length (m)	Amount	Qty (nos)	Amount	Qty (nos)	Amount		
1	Pandi konmoi	3000	17.18	3	6.24			1	19.58				0.00	3	0.45	43.45		0.00		0.00		0.00	0.00	43.45
2	T.Karungulam	3505	19.63	3	6.27								0.00	3	0.45	26.35		0.00		0.00		0.00	0.00	26.35
3	Ariyakudi	3800	18.65	4	8.32			0	0.00				0.00	4	0.6	27.57	4150	4.00		0.00		0.00	4.00	31.57
4	Keelakottai	3109	17.08	3	6.24			0	0.00				0.00	3	0.45	23.77	1950	1.49		0.00		0.00	1.49	25.26
5	A.Puthur	3658	20.32	2	4.16			0	0.00				0.00	2	0.3	24.78		0.00		0.00		0.00	0.00	24.78
6	Keelambal	2500	11.60	3	6.20				0.00				0.00	3	0.45	18.25		0.00		0.00		0.00	0.00	18.25
7	Semanur big tank	3050	16.67	3	6.25								0.00	3	0.45	23.37	1650	1.25		0.00		0.00	1.25	24.62
8	Semanur small tank	2846	16.02	2	4.17			0	0.00				0.00	2	0.3	20.49	0	0.00		0.00		0.00	0.00	20.49
9	Inakkam priyan	920	4.66	1	2.08			0	0.00				0.00	1	0.15	6.89	490	0.40		0.00		0.00	0.40	7.29
10	Theeyanur	2835	15.18						0.00				0.00	0		15.18	3000	3.00		0.00		0.00	3.00	18.18
11	Urathur	3658	20.61		0.00				0.00				0.00	0		20.61	1650	1.30		0.00		0.00	1.30	21.91
12	Anumaneri	3040	16.60	2	4.16				0.00				0.00	2	0.3	21.06		0.00		0.00		0.00	0.00	21.06

13	Anaikudi	2000	11.50	2	4.16			0	0.00				0.00	2	0.3	15.96		0.00		0.00		0.00	0.00	15.96
14	Koraikulam	1045	5.47	0	0.00				0.00				0.00	0		5.47		0.00		0.00		0.00	0.00	5.47
15	S.Kodikulam	3114	17.76	2	4.19			0	0.00				0.00	2	0.3	22.25	3100	2.30		0.00		0.00	2.30	24.55
16	Vepankulam	805	4.13	1	2.08				0.00				0.00	1	0.15	6.36				0.00		0.00	0.00	6.36
17	Malankudi		0.00	3	6.19				0.00				0.00	3	0.45	6.64		0.00		0.00		0.00	0.00	6.64
18	Kadambankudi	1211	6.17	1	2.08	0.00			0.00				0.00	1	0.15	8.40	0	0.00		0.00		0.00	0.00	8.40
19	Vadavalankulam	1325	6.80	2	4.18	0.00		0	0.00				0.00	2	0.3	11.28	0	0.00		0.00		0.00	0.00	11.28
20	Pukkulam	910	4.40	2	4.17			0	0.00				0.00	2	0.3	8.87	900	0.70		0.00		0.00	0.70	9.57
21	Kovilanchathan	1900	9.65	2	4.22			0	0.00				0.00	2	0.3	14.17		0.00		0.00		0.00	0.00	14.17
22	Moonjan	788	3.70	2	4.17				0.00				0.00	2	0.3	8.17	300	0.20		0.00		0.00	0.20	8.37
23	Sirunaguneri	637	3.00	2	4.19				0.00				0.00	2	0.3	7.49	0	0.00		0.00		0.00	0.00	7.49
24	Kalakudi	1252	6.60	2	4.18	0.00		0	0.00			0.00	0.00	2	0.3	11.08	1650	1.30		0.00		0.00	1.30	12.38
-	Kalari channel 1600-25275m								0.00				0.00	0		0.00	23675	58.98	1.00	3.59		0.00	62.57	62.57
	Total	**50908**	**273.38**	**47**	**97.90**	**0.00**	**0.00**	**1**	**19.58**	**0.00**	**0.00**	**###**	**0.00**	**47**	7.05	**397.91**	**42515**	**74.92**	**1.00**	**3.59**	**0.00**	**0.00**	**78.51**	**476.42**

1	Mallal	2713	19.13	3	6.92			1	15.93	1.00	1.73	0.00	0.00	3	0.45	44.16	9200	10.82		0.00		0.00	10.82	54.98
2	Alangulam	0	0.00	3	7.00			1	18.11				0.00	3	0.45	25.56				0.00		0.00	0.00	25.56
3	Nallirukkai	3500	20.32	3	6.71			2	24.81				0.00	3	0.45	52.29	0	0.00		0.00		0.00	0.00	52.29
4	Panayadiendal	3841	23.65	2	5.21	0.00			0.00				0.00	2	0.30	29.16	0	0.00	0.00	0.00	0.00	0.00	0.00	29.16
5	Mayakulam	2570	13.32	2	4.32				0.00				0.00	2	0.30	17.94		0.00		0.00		0.00	0.00	17.94
6	Kothankulam	0	0.00	3	6.91			1	4.82				0.00	3	0.45	12.18		0.00		0.00		0.00	0.00	12.18
7	Pakkiripudukulam	0	0.00	2	4.78				0.00				0.00	2	0.30	5.08		0.00		0.00		0.00	0.00	5.08
8	Ekkakudi	2960	13.96	3	7.69				0.00				0.00	3	0.45	22.10	3800	5.58		0.00		0.00	5.58	27.68
9	Deivachilainallur	0	0.00	1	2.89				0.00				0.00	1	0.15	3.04	0	0.00		0.00		0.00	0.00	3.04
10	Vellabig	4650	23.86	2	4.05								0.00	2	0.30	28.21		0.00		0.00		0.00	0.00	28.21
11	Vaigai	0	0.00	2	5.49				0.00				0.00	2	0.30	5.79		0.00		0.00		0.00	0.00	5.79
12	K.Kodikulam	1586	8.34	2	3.94			1	5.74				0.00	2	0.30	18.32		0.00		0.00		0.00	0.00	18.32
13	Vellasmall	0	0.00	1	2.03			0	0.00				0.00	1	0.15	2.18		0.00		0.00		0.00	0.00	2.18
14	Vithanur	2669	13.80	2	4.04				0.00				0.00	2	0.30	18.14		0.00		0.00			0.00	18.14
15	Keelandal	0	0.00	2	4.25				0.00				0.00	2	0.30	4.55		0.00		0.00		0.00	0.00	4.55
		24489	**136.38**	**33**	**76.23**	**0.00**	**0.00**	**6**	**69.41**	**1.00**	**1.73**	**###**	**0.00**	**33**	4.95	**288.70**	**13000**	**16.40**	**0.00**	**0.00**	**0.00**	**0.00**	**16.40**	**305.10**

	Total	**75397**	**409.76**	**80**	**174.13**	**0.00**	**0.00**	**7**	**88.99**	**1.00**	**1.73**	**###**	**0.00**			**686.61**	**55515**	**91.32**	**1.00**	**3.59**	**0.00**	**0.00**	**94.91**	**781.52**

TANK DETAILS FREE BOARD PROVIDED

Sl.No	Name of the tank	Maximum hieght of Bund in "m"	Free Board		Length of Bund in "m"
			Existing Previously in "m"	Proposed Now in "m"	
1	M.Nedungulam Tank	3.2	1.00	1.50	2360
2	Nallukurichi Tank	3.5	1.00	1.50	3513
3	Andakudi Tank	3.3	1.00	1.50	2271
4	Kulavipatti Tank	3.5	1.00	1.50	2500
5	Nandupatti Tank	3.2	1.00	1.50	1700
6	S.Kavanoor Tank	3.3	1.00	1.50	3480
7	Thenpoduvakkudi Tank	3.4	1.00	1.50	3400
8	Sellur Tank	3.3	1.00	1.50	4877
9	Vagaikulam Tank	3.2	1.00	1.50	1400
10	Keelakodumalur Tank	3.4	1.00	1.50	3627
11	Pambuvilunthan	3.4	1.00	1.50	2042
12	Vengalankurichi Tank	3.6	1.00	1.50	3490
13	Puliyankudi Tank	3.5	1.00	1.50	3084
14	Kakkur Tank	3.3	1.00	1.50	5120
15	Alankannur Tank	3.5	1.00	1.50	2743
16	Pirabakkulur Tank	3.3	1.00	1.50	1600
17	Ulaiyur Tank	3.1	1.00	1.50	2286
18	Valanadu Tank	3.4	1.00	1.50	5800
19	Nochikulam Tank	3.4	1.00	1.50	2250
20	Thadangani Tank	3.4	1.00	1.50	1097
21	Sathanur Tank	3.6	1.00	1.50	3331

22	Nilayambadi Tank	3.5	1.00	1.50	2750
23	Keelakottai	3.3	1.00	1.50	3109
24	Ariyakudi	3.6	1.00	1.50	3800
25	Seemanur big	3.4	1.00	1.50	3050
26	Semanur small	3.5	1.00	1.50	2846
27	S.kodikulam	3.2	1.00	1.50	3114
28	Urathur	3.5	1.00	1.50	3658
29	Theeyanur	3.4	1.00	1.50	2835
30	Inakkam priyan	3.2	1.00	1.50	920
31	Koraikulam	3.5	1.00	1.50	1045
32	Vepankulam	3.1	1.00	1.50	805
33	T.Karungulam	3.6	1.00	1.50	3505
34	Pandi konmoi	2.6	1.00	1.50	3000
35	A.Puthur	3.6	1.00	1.50	3658
36	Anumaneri	3.4	1.00	1.50	3040
37	Keelambal	3.5	1.00	1.50	2500
38	Anaikudi	3.9	1.00	1.50	2000
39	Mallal	3.5	1.00	1.50	2713
40	Kovilanchathan	3.3	1.00	1.50	1900
41	Moonjan	3.1	1.00	1.50	788
42	Panayadiendal	3.1	1.00	1.50	3841
43	Sirunaguneri	3.7	1.00	1.50	637
44	Vadavalankulam	3.2	1.00	1.50	1325
45	Kalakudi	3.5	1.00	1.50	1252
46	Kadambankudi	3.3	1.00	1.50	1211
47	Pukkulam	3.1	1.00	1.50	910
48	Mayakulam	3.1	1.00	1.50	2570

49	Ekkakudi	3.8	1.00	1.50	2960
50	Vella Big	3.2	1.00	1.50	4650
51	K.Kodikulam	3.4	1.00	1.50	1586
52	Nallirukkai	3.8	1.00	1.50	3500
53	Vithanur	3.2	1.00	1.50	2669
				Total	**140118**

Uthrakosamangaiyar Sub basin - WRO COST TABLE

Sl.No	Description of Works	Qty	Amount in Lakhs	Remarks
I	**Supply channel**			
1	Desilting of Supply channels to , its standard providing with bed bars	104445 R.m	164.57	
2	Reconstruction to Head Sluice	5 Nos	9.64	
3	Construction to Cross Masonry work such as Grade wall , Dividing arrangements Culverts ect.	2 Nos	5.03	
4	Construction of Protection wall at vulnerable points in Supply channel	1020 R.m	154.75	
	SubTotal		**333.99**	
II	**Tank :-**			
1	Raising and Strengthening the tank bund	140018 R.m	828.76	
2	Reconstruction to Sluice	262 Nos	615.49	

3	Reconstruction to Weirs	11	Nos	122.59	
4	Repairs to weirs to Weirs	1	Nos	1.73	
5	Supplying and fixing RCC boundary Pillars	4513	Nos	22.66	
6	Supplying and fixing flow measuring devices	262	Nos	40.22	
	SubTotal			**1631.45**	
	Total			**1965.44**	
	Environment cell			**17.70**	
	Ground water			**nil**	
	Grand Total			**1983.14**	

Tank component **1983.14 Lakhs**

Non tank component **Nil**

C.PHYSICAL AND FINACIAL PROGRAM

Slno	Description	I year		II year		Total	
		Qty	Amount in Lakhs	Qty	Amount in Lakhs	Qty	Amount in Lakhs
	Supply channels						
1	Desilting of Supply channels to , its standard providing with bed bars	41778	65.83	62667	98.74	104445	164.57
2	Reconstruction / Repairs to Head Sluice	12	3.86	19	5.78	5	9.64
3	Construction / Repairs to Cross Masonry work such as Grade wall , Dividing arrangements Culverts ect.	5	2.01	8	3.02	2	5.03
4	Construction of Protection wall at vulnerable points in Supply channel	408	61.90	612	92.85	1020	154.75
	Tank :-						
1	Raising and Strengthening the tank bund	56007	331.50	84011	497.26	140018	828.76
2	Reconstruction / Repairs to Sluice	105	246.20	157	369.29	262	615.49
3	Reconstruction to Weirs	4	49.04	7	73.55	11	122.59
4	Repairs to weirs to Weirs	0	0.69	1	1.04	1	1.73

5	Supplyinig and fixing of flow measuring devices	105	16.09	157	24.13	262	40.22
6	Supplyinig and fixing boundry sones	1805	9.06	2708	13.60	4513	22.66
-	Total	-	**786.18**	-	**1179.26**	-	**1965.44**

Sl.No	Description of Works	Unit	Package - I		Package - -2		Package - 3		Package - 4		Package - 5		Package -6		Total	
			Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value
-	**Supply Channel**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Desilting of Supply channels to , its standard providing with bed bars	R.m	3510	4.95	9000	14.50	3000	3.98	33420	49.82	42515	74.92	13000	16.40	104445	164.57
2	Reconstruction of Head Sluice	Nos	4	6.05	0	0	0	0.00	0	0.00	1.00	3.59	-		5	9.64
3	Reconstruction of Cross Masonry work such as Grade wall , Culverts ect.	Nos	2	5.03	0	0	0	0.00	0	0.00	-	-	-	-	2	5.03
4	Construction of Protection wall at vulnerable points in Supply channel	R.m	1020	154.75	0	0	0	0.00	0	0.00	-	-	-	-	1020	154.75
-	**SubTotal**	-	-	**170.78**	-	**14.50**	-	**3.98**	-	**49.82**	-	**78.51**	-	**16.40**	0	**333.99**
II	**Tank :-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Raising and Strengthening the tank bund	R.m	9500	54.73	18471	126.09	6678	47.15	29972	191.03	50908	273.38	24489	136.38	140018	828.76
2	Reconstruction of Sluice	Nos	44	103.03	46	112.63	17	42.07	75	183.63	47	97.90	33	76.23	262	615.49
3	Reconstruction of Weirs	Nos	1	7.85	0.00	0.00	1	3.41	2	22.34	1	19.58	6	69.41	11	122.59
4	Repairs to weirs	-	-	-	-	-	-	-	-	-	-	-	1	1.73	1	1.73

5	Supplying and fixing RCC boundary Pillars	Nos	1123	5.56	1371	7.04	400	2.00	1619	8.06	-	-	-	-	4513	22.66
6	Supplying and fixing flow measuring devices	Nos	44	6.60	46	6.90	17	3.47	75	11.25	47	7.05	33	4.95	262	40.22
-	sub total	-	-	**177.77**	-	**252.66**	-	**98.10**	-	**416.31**	-	**397.91**	-	**288.70**	-	**1631.45**
-	**Total**	-	-	**348.55**	-	**267.16**	-	**102.08**	-	**466.13**	-	**476.42**	-	**305.10**	-	**1965.44**

PACKAGE NO - 1

Name of Work : Rehabilitation and modernisation of system tanksand their supply channels fed by Velunathaudaiyarkal and Kamudhakudi branch channels through RMC of Parthibanur regulator from LS 3000m - 8700m under Uthrakosamangaiyar Sub basin in Paramakudi taluk of Ramanathapuram District

Package No :- 01/ IAMWARM / VENU / UKI / WRO / LVBD / NCB-08-09

Sl.No	Name of Tank/ Supply channel	Amount in Lakhs.
	Tank	
1	Vengalur	8.39
2	Urakudi Big	8.04
3	Madanthai	8.42
4	Athiendal	7.06
5	Sangakottai	7.00
6	Padayanendal	7.17
7	Kumaranendal	7.24
8	Pulikulam	10.87
9	Keelakodumalur	25.93
10	M.Nedungulam	27.36
11	Nallukurichi	37.37
12	Kandakulam	2.52
13	Valangudi	5.47
14	Vikirapandipuram	8.85
15	Kamudakudi	6.08
	Sub Total -1	**177.77**
	Supply channel	
	Desilting of Supply channel with Bed bars	4.95
	Reconstruction of Head Sluice	6.05

-	Reconstruction of Cross masonry works such as Graded wall , culvert Ect.	5.03
-	Construction of Protection Wall at vulnerable points	154.75
-	**Sub Total - 2**	**170.78**
-	**TOTAL**	**348.55**

PACKAGE 1

Calculation of machineries Requirment

Engaging Hydraulic excavator
3no. & 12 Tippers = 12 Hours/ Day

= (20 no X 2 loads X / hour X 12 Hr. X 4 m3 /trip)

= 1152 M^3/ Day

For 1 Month (20 Working Days) = 23040 m^3

= 23,040 m^3 / month

Total Quantity of earth work = 204300 m^3

= 9 months+3 months rainy season

Machineries required for earth work:

Hydraulic excavator = 3 nos

Tippers / Lorries = 12 nos

Power roller = 4 nos

Vibrated compactor = 1 nos

Water Lorries = 2 nos

Mixer Machine = 2m3 / hour For 6 hours/ day 36 m^3/ day

Total quantity of concrete = 8625 m^3

Mixer Machine required = 3 nos 12 months

Material conveyance			Tipper / Lorries	
Cement	10	mt / Trip	1 trip/day	10 mt/ Day
sand	5.7	m3 /Trip	2 trip/day	11.32 m/ Day
Metal / stone	5.6	m3 / Trip	3 trip/day	16.8 m3/ Day

Total Quantity of cement	=	2270	Mt			
Tippers required for conveyance	=	2270	/	10	=	227 Tippers
Total Quantity of sand	=	4358	m^3			
Tippers required for conveyance	=	4358	/	11.2	=	389 Tippers
Total Quantity of Metal	=	8626	m^3			
Tippers required for conveyance	=	8626	/	16.8	=	513 Tippers
Total Quantity of Stone	=	532	m^3			
Tippers required for conveyance	=	532	/	16.8	=	32 Tippers
					=	**1161** Tippers

Tippers for Conveyance of Materials = 5 nosfor 20 days for 12 months

PACKAGENO 1

CONSTRUCTION METHODOLOGY

Slno	Description of item	Workingmonths															Rainy season			Total
		Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	
	Earthwork excavation																			
1	Tank bund		10000	10000	10000	16000	16000	16000	16000	20000	20000	20000	20000	20000	6000					200000
2	channel	0	0	0	0	0	0	0	0	0	0									0.00
3	Foundation		86	215	215	430	430	430	430	430	430	430	430	344						4300.00
	concrete																			
5	M 7.5 grade		116	116	232	232.00	232.00	232.00	232.00	232.00	232.00	232.00	232.00							2320.00
6	M 10 grade				5	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	5.00					100.00
7	M 15 grade										1525.00	1525.00	1525.00	1525.00	1525.00					6100.00
8	M 20 grade		2.1	8.4	10.5	10.50						21.00	21.00	21.00	10.50					105.00

9	Random rubble masonry											121.00	121.00	121.00	121.00					484.00
10	Plastering											97.50	97.50	97.50	97.50					390.00

PACKAGE NO - 2

Name of Work : Rehabilitation and modernisation of system tanks and their supply channels fed by Koothankal branch channel from LS 0m-20600m through RMC of Parthibanur regulator under Uthrakosamangaiyar Sub basin in Paramakudi and Muthukulathur taluks of Ramnad District.

Package No :- 02/ IAMWARM / KOOTHANKAL -1 / UKI / WRO / LVBD / NCB-08-09

Sl.No	Name of Tank/ Supply channel	Amount in Lakhs.
-	**Tank**	-
1	Andakudi	21.82
2	Nandupatti	16.52
3	Malayakudi	9.66
4	Kolavipati	21.44
5	Vilathur	9.37
6	Tholur	6.18
7	Kanjiendal	7.58
8	S.kavanur	25.24
9	Thenpoduvakudi	27.97
10	Pamboor	9.52
11	Thalaikal	7.32
12	Udaikulam	7.17
13	Magindi	8.16
14	Kakkur	42.26
15	Parathan'	4.71
16	Keelakanniseri	5.03
17	Thiruvakki	3.08
18	Vannervoikal	2.70
19	Keelapanaiyadiendal	8.41
20	Athanakurichi	8.52

	Sub Total	**252.66**
	Supply channel	
1	Desilting of Supply channel with Bed bars	14.50
2	Reconstruction of Head Sluice	0.00
3	Reconstruction of Cross masonry works such as Graded wall , culvert Ect.	0.00
4	Construction of Protection Wall at vulnerable points	0
	Sub Total	**14.50**
	Total for works	**267.16**

PACKAGE 2

Calculation of machineries Requirment

Engaging Hydraulic excavator 3no. & 12 Tippers	=	12 Hours/ Day			
	=	(20 no X 2 loads X / hour X 12 Hr. X 4 m3 /trip)			
	=	1152	M^3/ Day		
For 1 Month (20 Working Days)	=	23040	m^3		
	=	23,040	m^3 / month		
Total Quantity of earth work	=	349071	m^3		
	=	15	months+3 months rainy season		

Machineries required for earth work:

Hydraulic excavator	=	3	nos	
Tippers / Lorries	=	12	nos	
Power roller	=	4	nos	
Vibrated compactor	=	1	nos	
Water Lorries	=	2	nos	
Mixer Machine	=	2m^3 / hour	For 6 hours/ day	12 m^3/ day
Total quantity of concrete	=	2059	m^3	
Mixer Machine required	=	1	nos	9 months

Material conveyance			Tipper / Lorries	
Cement	10	mt / Trip	1 trip/day	10 mt/ Day
sand	5.7	m^3 /Trip	2 trip/day	11.32 m/ Day
Metal / stone	5.6	m^3 / Trip	3 trip/day	16.8 m3/ Day

Total Quantity of cement	=	697	Mt			
Tippers required for conveyance	=	697	,/	10	=	70 Tippers

Total Quantity of sand	=	1410	m^3			
Tippers required for conveyance	=	1410	/	11.2	=	126 Tippers
Total Quantity of Metal	=	2059	m^3			
Tippers required for conveyance	=	2059	/	16.8	=	123 Tippers
Total Quantity of Stone	=	542	m^3			
Tippers required for conveyance	=	542	/	16.8	=	32 Tippers
				=		**350** Tippers

Tippers for Conveyance of Materials = 2 nofor 20 days for 9 months

CONSTRUCTION METHODOLOGY

Slno	Description of item	Workingmonths															Rainy season			Total Quantity
		Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	
	Earthwork excavation																			
1	Tank bund		16141	16141	16141	25826	25826	25826	25826	32282	32282	32282	32282	32282	9685					322820
2	channel	2625	2625	2625	2625	2625	2625	2625	2625	2625	2625									26251
3	Foundation		40	101	101	202	202	202	202	202	202	202	202	161						2015
	concrete																			
5	M 7.5 grade		38.45	38.45	76.9	76.90	76.90	76.90	76.90	76.90	76.90	76.90	76.90							769
6	M 10 grade				14.5	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	14.50					290
7	M 15 grade										232.50	232.50	232.50	232.50	232.50					930
8	M 20 grade		1.4	5.6	7	7.00						14.00	14.00	14.00	7.00					70

9	Random rubble masonry											123.00	123.00	123.00	123.00					492
10	Plastering											98.75	98.75	98.75	98.75					395

PACKAGE NO - 3

Name of Work : Rehabilitation and modernisation of Non - system tanks and their supply channels under Girithumal Sub basin in Paramakudi taluk of Ramanathapuram District.

Package No :- 03/ IAMWARM / NS -1 / UKI / WRO / LVBD / NCB-08-09

Sl.No	Name of Tank/ Supply channel	Amount in Lakhs.
	Non - System Tanks	
1	Nochikulam	30.05
2	Thadankini	22.52
3	Puluthikulam	10.22
4	Sathanur	23.97
5	Muthukulathur	2.50
6	Thiruvarangam	1.32
7	Kolundurai	7.52
	Sub Total	**98.10**
	Supply channel	
1	Desilting of Supply channel with Bed bars	3.98
2	Reconstruction of Head Sluice	0.00
3	Reconstruction of Cross masonry works such as Graded wall , deviding Arrangements , culvert Ect.	0.00
4	Construction of Protection Wall at vulnerable points	0
	Sub Total	**3.98**
	Total	**102.08**

PACKAGE 3

Calculation of machineries Requirment

Hydraulic excavator 3Nos.& 12 Tippers / lorries = 9 Hours/ Day

= (12 no X 2 loads X / hour X 9 Hr. X 4 m3 /trip)

= 864 M^3/ Day

For 1 Month (20 Working Days) = 20 x 864m^3

= 17,280 m^3 / month

Total Quantity of earth work = 127608

= 8 months+3 months rainy season

Machineries required for earth work:

Hydraulic excavator = 3 nos

Tippers / Lorries = 12 nos

Power roller = 2 nos

Vibrated compactor = 1 nos

Water Lorries = 1 nos

Mixer Machine = 2m^3 / hour For 6 hours/ day = 12m3/ day

Total quantity of concrete = 1374 m^3

Mixer Machine required = 2 nos 6 months

Material conveyance		Tipper / Lorries	
Cement	10 mt / Trip	1 trip/day	10 mt/ Day
sand	5.7 m3 /Trip	2 trip/day	11.32 m/ Day
Metal / stone	5.6 m3 / Trip	3 trip/day	16.8 m3/ Day

Total Quantity of cement = 395 Mt

Tippers required for conveyance	=	395	/	10	=	40 Tippers
Total Quantity of sand	=	772 m^3				
Tippers required for conveyance	=	772	/	11.2	=	69 Tippers
Total Quantity of Metal	=	1236 m^3				
Tippers required for conveyance	=	1236	/	16.8	=	74 Tippers
Total Quantity of Stone	=	152 m^3				
Tippers required for conveyance	=	152	/	16.8	=	9 Tippers
					=	**191** Tippers

Tippers for Conveyance of Materials	=	2 nos	for 20 days for	5 months

PACKAGENO 3

CONSTRUCTION METHODOLOGY

Slno	Description of item	Workingmonths									Rainy Season			Total Quantity
		#####	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	
	Earthwork excavation													
1	Tank bund	11670	11670	11670	11670	11670	11670	11670	11670	23340				116702.00
2	channel	1050	1050	1050	1050	1050	1050	1050	1050	2100				10500.00
3	Foundation		41	41	41	41	41	41	81	81				406.40
	concrete													
5	M 7.5 grade		34.5	34.5	34.5	34.5	34.5	51.7	13.4	103.4				344.70
6	M 10 grade					468.55	187.4	187.4	93.71	93.71				937.10
7	M 15 grade						0.00	0.00	0.00	0.00				0.00

8	M 20 grade		1.84	7.36	9.2	9.20	18.40	18.40	18.40	9.20					92.00
9	Random rubble masonry						34.50	34.50	34.50	34.50					138.00
10	Plastering						33.50	33.50	33.50	33.50					134.00

PACKAGE NO - 4

Name of Work : Rehabilitation and modernisation of system tanks and their supply channels fed by Koothankal branch channel rom LS 20600 m -33050m and Podhuvakudi,Sundanendal, Thelichathanallur ,Kattuparamakudi , Vendoni and Sellur Branch channels through RMC of Parthibanur Regulator under Uthrakosamangaiyar Sub basin in Paramakudi Taluk of Ramnathapuram District.

Package No :- 04/ IAMWARM / KOOTHANKAL-2 / UKI / WRO / LVBD / NCB-08-09

Sl.No	Name of Tank/ Supply channel	Amount in Lakhs.
1	Valanadu	63.24
2	Venkalakurichi	29.85
3	Alankanur	25.00
4	Surankulam	4.94
5	Erumaipatti	5.15
6	Posukudi	7.18
7	Puliyankudi	27.47
8	Neerkundram	4.81
9	Vadapuliyankudi	4.65
10	Ponnakkaraiendal	2.54
11	Pirabakkalur	25.80
12	Meesal	7.43
13	Ulaiyur	21.04
14	Kodarendal	8.76
15	Ponnakkaneri	8.64
16	Pokkaranendal	5.66
19	Poduvakudi	8.35
20	Pambuvilunthan	20.05
21	Sundanendal	5.15
22	Thelichathanallur	8.35

23	Kattuparamakudi	12.23
24	Vendoni	12.01
25	Venkatankurichi	8.63
26	Sellur	38.22
27	K.Karungulam	5.80
28	Vagaikulam	11.30
29	Niayambadi	25.46
30	Kalaiyur small	8.60
-	**Sub Total**	**416.31**
-	**Supply channel**	-
1	Desilting of Supply channel with Bed bars	49.82
2	Reconstruction of Head Sluice	0.00
3	Reconstruction of Cross masonry works such as Graded wall , deviding Arrangements , culvert Ect.	0.00
4	Construction of Protection Wall at vulnerable points	0
-	**Sub Total**	**49.82**
-	**Total for works**	**466.13**

PACKAGE 4

Calculation of machineries Requirment

EngaGING Hydraulic excavator 6nos. & 24 Tippers = 12 Hours/ Day

= (20 no X 2 loads X / hour X 12 Hr. X 4 m3 /trip)

= 2304 M^3/ Day

For 1 Month (20 Working Days) = 46080 m^3

= 46,080 m^3 / month

Total Quantity of earth work = 608863 m^3

= 13 months+3 months rainy season

Machineries required for earth work:

Hydraulic excavator = 6 nos

Tippers / Lorries = 24 nos

Power roller = 4 nos

Vibrated compactor = 1 nos

Water Lorries = 2 nos

Mixer Machine = 2m3 / hour For 6 hours/ day 24 m^3/ day

Total quantity of concrete = 3882 m^3

Mixer Machine required = 2 nos 8 months

Material conveyance Tipper / Lorries

Cement	10 mt / Trip	1 trip/day	10 mt/ Day
sand	5.7 m3 /Trip	2 trip/day	11.32 m/ Day
Metal / stone	5.6 m3 / Trip	3 trip/day	16.8 m3/ Day

Total Quantity of cement = 1293 Mt

Tippers required for conveyance	=	1293 ,/	10		=	129 Tippers
Total Quantity of sand	=	2605 m^3				
Tippers required for conveyance	=	2605 /	11.2		=	233 Tippers
Total Quantity of Metal	=	3882 m^3				
Tippers required for conveyance	=	3882 /	16.8		=	231 Tippers
Total Quantity of Stone	=	912 m^3				
Tippers required for conveyance	=	912 /	16.8		=	54 Tippers
						`
				=		**647** Tippers
Tippers for Conveyance of Materials		=	3 nosfor 20 days for			11 months

PACKAGENO 4

CONSTRUCTION METHODOLOGY

Slno	Description of item	Workingmonths															Rainy season			Total Quantity
		#####	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	######	Dec-10	###	###	###	###	
	Earthwork excavation																			
1	Tank bund		26000	26000	26000	41600	41600	41600	41600	52000	52000	52000	52000	52000	15600					520000
2	channel	8544	8544	8544	8544	8544	8544	8544	8544	8544	8544									85443
3	Foundation		68	171	171	342	342	342	342	342	342	342	342	274						3420
	concrete																			
5	M 7.5 grade		66.75	66.75	133.5	133.50	133.50	133.50	133.50	133.50	133.50	133.50	133.50							1335
6	M 10 grade				7	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	7.00					140
7	M 15 grade										589.25	589.25	589.25	###	###					2357

8	M 20 grade		1	4	5	5.00						10.00	10.00	10.00	5.00					50
9	Random rubble masonry											207.25	207.25	###	###					829
10	Plastering											180.00	180.00	###	###					720

Name of Work : Rehabilitation and modernisation of system tanks and their supply channels fed by Kalari Supply channel from LS1600m - 25275m and non - System Tanks under Uthrakosamangaiyar Sub basin in Paramakudi taluk of Ramanathapuram District.

Package No :- 05/ IAMWARM / KALARI- 1 / UKI / WRO / LVBD / NCB-08-09

Package-5

slno	Name of tank	Amount inLakhs
1	Pandi konmoi	43.45
2	T.Karungulam	26.35
3	Ariyakudi	27.57
4	Keelakottai	23.77
5	A.Puthur	24.78
6	Keelambal	18.25
7	Semanur big tank	23.37
8	Semanur small tank	20.49
9	Inakkam priyan	6.89
10	Theeyanur	15.18
11	Urathur	20.61
12	Anumaneri	21.06
13	Anaikudi	15.96
14	Koraikulam	5.47
15	S.Kodikulam	22.25
16	Vepankulam	6.36
17	Malankudi	6.64
18	Kadambankudi	8.40
19	Vadavalankulam	11.28
20	Pukkulam	8.87
21	Kovilanchathan	14.17
22	Moonjan	8.17

23	Sirunaguneri	7.49
24	Kalakudi	11.08
	subtotal	**397.91**
1	Desilting of Supply channel	74.92
2	Reconstruction of Head sluices	3.59
3	Reconstruction of cross masonries	0.00
	subtotal	**78.51**
	Total for woks	**476.42**

PACKAGE 5

Calculation of machineries Requirment

EngaGING Hydraulic excavator
8nOS. & 32 Tippers = 12 Hours/ Day

= (32 no X 2 loads X / hour X 12 Hr. X 4 m3 /trip)

= 3072 M^3/ Day

For 1 Month (20 Working Days) = 61440 m^3

= 61,440 m^3 / month

Total Quantity of earth work = 837690 m^3

= 14 months+3 months rainy season

Machineries required for earth work:

Hydraulic excavator = 8 nos

Tippers / Lorries = 32 nos

Power roller = 4 nos

Vibrated compactor = 1 nos

Water Lorries = 2 nos

Mixer Machine = 2m^3 / hour For 6 hours/ day 24 m^3/ day

Total quantity of concrete = 6667 m^3

Mixer Machine required = 2 nos 14 months

Material conveyance Tipper / Lorries

Cement	10 mt / Trip	1 trip/day	10 mt/ Day
sand	5.7 m3 /Trip	2 trip/day	11.32 m/ Day
Metal / stone	5.6 m3 / Trip	3 trip/day	16.8 m3/ Day

Total Quantity of cement = 1345 Mt

Tippers required for conveyance = 1345 ,/ 10 = 135 Tippers

Total Quantity of sand	=	2762 m^3				
Tippers required for conveyance	=	2762 /	11.2		=	247 Tippers
Total Quantity of Metal	=	3600 m^3				
Tippers required for conveyance	=	3600 /	16.8		=	214 Tippers
Total Quantity of Stone	=	1215 m^3				
Tippers required for conveyance	=	1215 /	16.8		=	72 Tippers
				=		**668** Tippers

Tippers for Conveyance of Materials	=	3 nosfor 20 days for	11	months

PACKAGENO 5

CONSTRUCTION METHODOLOGY

Slno	Descriptionof item	Workingmonths															Rainy Season			Total
		Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	
	Earthwork xcavation																			
1	Tank bund		28000	28000	28000	44800	44800	44800	44800	56000	56000	56000	56000	28000	28000	16800				560000
2	channel	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500									235000
3	Foundation		29	71	71	143	143	143	143		143	143	143	257						1428.00
	concrete																			
5	M 7.5 grade		108	108					108	108.00	108.00	108.00	108.00	108.00	108.00	108.00				1080.00
6	M 10 grade					15	15	15	15.00	15.00	15.00	15.00	15.00	15.00	15.00					150.00
7	M 15 grade					219.6	219.6	219.6	219.60	219.60	219.60	219.60	219.60	219.60	219.60					2196.00
8	M 20 grade		3.42	13.68	17.1	17.10						34.20	34.20	34.20	17.10					171.00
9	Random rubble												276.00	276.00	276.00	276.00				1104.00
10	Plastering												240.00	240.00	240.00	240.00				960.00

Name of Work : Rehabilitation and modernisation of system and non - System Tanks covered under the chain of Kalari Supply channel in Uthrakosamangaiyar Sub basin in Ramanathapuram taluk and District.

Package No :- 06/ IAMWARM / KALARI 2/ UKI / WRO / LVBD / NCB-08-09

Package-6

slno	Name of tank	Amount inLakhs
1	Mallal	44.16
2	Alangulam	25.56
3	Nallirukkai	52.29
4	Panayadiendal	29.16
5	Mayakulam	17.94
6	Kothankulam	12.18
7	Pakkiripudukulam	5.08
8	Ekkakudi	22.10
9	Deivachilainallur	3.04
10	Vellabig	28.21
11	Vaigai	5.79
12	K.Kodikulam	18.32
13	Vellasmall	2.18
14	Vithanur	18.14
15	Keelandal	4.55
	subtotal	**288.70**
1	Desilting of Supply channel	16.40
2	Reconstruction of Head sluices	0.00
3	Reconstruction of cross masonries	0.00

	subtotal	**16.40**
	Total for works	**305.10**

PACKAGE 6

Calculation of machineries Requirment

Engaging Hydraulic excavator6Nos. & 24 Tippers / lorries = 12 Hours/ Day

= (24 no X 2 loads X / hour X12 Hr. X 4 m3 /trip)

= 1152 M^3/ Day

For 1 Month (20 Working Days) = 23040 m^3

	=	23,040	m^3 / month			
Total Quantity of earth work	=	3212050	m^3			
	=	14	months+3 months rainy season			
Machineries required for earth work:						
Hydraulic excavator	=	6	nos			
Tippers	=	24	nos			
Power roller	=	4	nos			
Vibrated compactor	=	1	nos			
Water Lorries	=	2	nos			
Mixer Machine	=	2m^3 / hour		For 6 hours/ day		24 m^3/ day
Total quantity of concrete	=	6659	m^3			
Mixer Machine required	=	2	nos			14 months

Material conveyance			Tipper / Lorries	
Cement	10	mt / Trip	1 trip/day	10 mt/ Day
sand	5.7	m3 /Trip	2 trip/day	11.32 m/ Day
Metal / stone	5.6	m3 / Trip	3 trip/day	16.8 m3/ Day

Total Quantity of cement	=	1447	Mt			
Tippers required for conveyance	=	1447	,/	10	=	145 Tippers
Total Quantity of sand	=	2896	m^3			
Tippers required for conveyance	=	2896	/	11.2	=	259 Tippers
Total Quantity of Metal	=	4418	m^3			
Tippers required for conveyance	=	4418	/	16.8	=	263 Tippers
Total Quantity of Stone	=	441	m^3			

Tippers required for conveyance	=	441 /	16.8	=	26	Tippers
			=		**692**	Tippers
Tippers for Conveyance of Materials	=	3 nos	for 20 days for		12	months

PACKAGENO 6

CONSTRUCTION METHODOLOGY

Slno	Descriptionof item	Workingmonths												Rainy Season					Total
		Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	
	Earthwork excavation																			
1	Tank bund		13848	13848	13848	22156	22156	22156	22156	27695	27695	27695	27695	13848	13848	8309				276950
2	channel	4050	4050	4050	4050	4050	4050	4050	4050	4050	4050									40500
3	Foundation		27	68	68	136	136	136	136		136	136	136	244						1356.00
	concrete																			
5	M 7.5 grade		108	108					100	100.00	100.00	100.00	100.00	100.00	100.00	100.00				1000.00
6	M 10 grade					10	10	10	10.00	10.00	10.00	10.00	10.00	10.00	10.00					100.00
7	M 15 grade					307.2	307.2	307.2	307.20	307.20	307.20	307.20	307.20	307.20	307.20					3072.00
8	M 20 grade		4.94	19.76	24.7	24.70						49.40	49.40	49.40	24.70					247.00
9	Random rubble masonry												207.00	207.00	207.00	207.00				828.00
10	Plastering												180.00	180.00	180.00	180.00				720.00

REQUIREMENT OF EQUIPMENTS AND MATERIALS

PACKGE	EQUIPMENTS REQUIRED IN NUMBERS	MATERIAL REQUIRED

NUMBER	HYDRAULIC EXCAVATOR	POWER ROLLER	VIBRATED COMPACTOR	TIPPER	WATER LORRY	MIXER MACHINE	CONCRETE VIBRATOR	CEMNET IN MT	SAND IN m^3	STEEL IN MT	METAL 40mm IN m^3	METAL 20mm IN m^3	RR IN m^3	FUEL IN LITRES
01/ UKI	3	4	1	17	2	3	2	2270	4358	6.45	863	7763	532	144000
02/ UKI	3	4	1	14	2	1	1	697	1410	8.56	206	1853	540	374400
03/ UKI	3	2	1	14	1	1	2	395	780	1.4	825	415	150	76800
04/ UKI	6	4	1	27	2	2	1	1293	2605	12.3	388	3494	912	499200
05/ UKI	8	4	1	35	2	2	2	1345	2762	15.97	360	3240	1215	576000
06/ UKI	6	4	1	27	2	2	2	1447	2896	19	441	3977	792	369600

1.7. ENVIRONMENT CELL

INDEX

Environmental Monitoring on water and soil quality and creating awareness & updating of "Environmental and Social Assessment report" for **UTHIRAKOSAMANGAIYAR** SUB BASIN.

IAMWARM PROJECT

(ENVIRONMENT COMPONENT IN SUB BASINS)

Name of River Basin:	GUNDAR BASIN
Name of Sub Basin:	**UTHIRAKOSAMANGAIYAR**
Name of WUA:	Enclosed
Name of Division:	**Lower vaigai special project Basin Division, Paramakudi**
Name of Sub Division:	**Lower vaigai special project sub Division, Paramakudi** **Gundar Basin Sub Division , Mudukalathur** **Uthirakosamangaiyar Sub Basin Sub Division , Ramanathapuram**
District:	**Ramanathapuram**
Taluk:	**Paramakudi, Mudukulathur ,Kadaladi, Ramanathapuram.**
Block:	**Paramakudi, Mudukulathur ,Kadaladi, Ramanathapuram, Thirupullani, Bogalur.**
I. Name of the Tank Severly affected by Aquatic weeds	Annexure- I
II. Domestic Sewage:	Annexure -II
III.Municipal Solid Waste:	Annexure -III
III. Industreies:	Annexure -IV
IV. Water Quality Status:	
i. Surface water:	So for No water sampling points
II. Ground water:	Annexure -V

PWD/WRO

GUNDAR BASIN –UTHIRAKOSAMANGAIYAR SUB BASIN

WATER USER ASSOCIATION DETAILS

WUA.No.	Name of WUA	Ayacut in Ha.	WUA Ref
1	Perunkarai Tank	373.65	Rmp-4
2	Vengaloure Tank	126	Rmp-5
	Urakudi big Tank	176.65	Rmp-5
3	Melakodumalar Tank	237.15	Rmp-6
	Pulikulam tank	20.65	Rmp-6
4	Madanthai Tank	70.5	Rmp-7
	Athirendal Tank	22.96	Rmp-7
	Kandakulam tank	15.25	Rmp-7
	Padayanendal tank	11.16	Rmp-7
	Sankarakottai tank	29.46	Rmp-7
5	Nallukurichi Tank	110.91	Rmp-8
	M.Nedungulam Tank	81.55	Rmp-8
	Keelakodumalur Tank	77.34	Rmp-8
	Vikirapandipuram Tank	39	Rmp-8
	Vilangudi Tank	20.81	Rmp-8
	Variyankottam Tank	20.81	Rmp-8
6	Kamudakkudi Tank	321.85	Rmp-9
7	Koothankal Branch channel group (10 tanks)	986.16	Rmp-10
8	Thalaikal tank groups (16 tanks)	760.59	Rmp-11

9	Mangudi tanks groups (10 tanks)	530.62	Rmp-12
10	Thelichathanallur Branch channel (3tanks)	217.78	Rmp-13
11	Kattuparamakudi Branch channel (3tanks)	459	Rmp-14
12	Vendoni tank	216.13	**Rmp-15**
13	Sellur Branch channel(5 tanks)	310.72	Rmp-16
14	Ariyanendal branch channel (2 tanks)	198.05	Rmp-17
15	Urapuli tank	197.65	Rmp-18
16	Kalari branch channel	152.97	Rmp-40
17	Malangudi tank groups (7tanks)	374.85	Rmp-41
18	Theeyanur tank groups (7tanks)	528.94	Rmp-42
19	Pudukulam tank	52.95	Rmp-43
20	Kalari tank	717.76	Rmp-44
21	Poovilur branch channel	150.2	Rmp-45
22	Kamankottai branch channel	443.28	Rmp-46
23	Ariyakudi branch channel	139.2	Rmp-47
24	Bogalur branch channel	150.7	Rmp-48
25	Ettivayal branch channel	137.3	Rmp-49
26	Non syatem tanks	86.01	Rmp-55
27	Pandikanmoi	41.9	Rmp-58

28	Keelambal tank	193.24	Rmp-61
29	Arumaneri tank	56.23	Rmp-62
30	Anai kudi tank	161.28	Rmp-63
31	Alankulam tank	245.82	Rmp-68
32	Panaiyandiendal tank	102.28	Rmp-69

Details Of WUAs Proposed in Uthrakosamangaiyar Sub Basin

S.NO	WUA NO	VILLAGE	TANK	NAME OF WUA	AYACUT
1	UKM-1	Marichikati	Marichikatti Tank	Marichikatti Tank WUA	25.85
2	UKM-2	Kalayar	Kalayar small Tank	Kalayar Small Tank WUA	65.77
3	UKM-3	Poseri	PoseriTank	Poseri Tank Wua	65.1
4	UKM-4	Mala Mudukulathur, Keela Mudukulathur	Mudukulathur Tank	Mudukulathur Tank WUA	480.71
5	UKM-5	Sthanur Pulithikulam	Sathanur Tank, Pulithanur Tank	Sathanur & Pulithanur Tanks WUA	122.3
6	UKM-6	Vilangulathur	Vilangulathur Tank	Vilangulathur Tank WUA	77.06
7	UKM-7	Kolundurai	Kolundurai Tank	Kolundurai Tank WUA	62.63
8	UKM-8	Keelakulam Thedangai	Keelakulam & Thedangai Tanks	Keelakulam & Thedangai Tanks WUA	105.37
9	UKM-9	Karumal	Karumal Tank	Karumal Tank WUA	86.65
10	UKM-10	Athikulam,Nochikulam, Keelakanjirankulam	Athikulam,Nochikulam& Keelakanjirankulam Tanks	Athikulam,Nochikulam & Keelakanjirankulam Tanks WUA	172.99

11	UKM-11	Keelakulam Kannathan	Meelakulam &KannathanTanks	Meelakulam & Kannathan Tanks WUA	95.75
12	UKM-12	Valukkaikulam	Valukkaikulam Tank	Valukkaikulam Tank WUA	62.11
13	UKM-13	Kerannur	Kerannur Tank	Kerannur Tank WUA	86.33
14	UKM-14	Manalur	Manalur Tank	Manalur Tank WUA	53.04
15	UKM-15	Kattkulam	Kattkulam Tank	Kattkulam Tank WUA	85.02
16	UKM-16	Sampakulam	Sampakulam Tank	Sampakulam Tank WUA	62.03
17	UKM-17	Thiruvengam	Thiruvengam Tank	Thiruvengam Tank WUA	62.87
18	UKM-18	Gangaikondan Gangaikondan Manjur Kakkanendhal Ilanthakulam Kummukottai Manjakollai Averendhal	Meyyanendhal Tank Valasai Tank Varanganandal Tank Kakkanendhal Tank Ilanthakulam Tank Kummukottai Tank Manjakollai Tank Averendhal Tank	Meyyanendhal , Valasai Varanganandal, Kakkanendhal, Ilanthakulam, Kummukottai, Manjakollai, Averendhal Tanks WUA	199.86
19	UKM-19	Pattanedhal Ariyakudi Ariyakudi Valanseethai Vallakulam Keelakottai Theeyanur Koraikulam	Pattanedhal Tank Jothiendhal Tank Muthodai Tank Valanseethai Tank Vallakulam Tank Keelakottai Tank Theeyanur Tank Koraikulam Tank	Pattanedhal, Jothiendhal Muthodai,Valanseethai Vallakulam, Keelakottai Theeyanur, Koraikulam Tanks WUA	94.28

20	UKM-20	Kodaiveli Vellamaridikatti Vellamaridikatti Ellavue Ethivayal Ekkakudi	Kodaiveli Tank VellamaridikattiBig Tank Vellamaridikatti Small Tank Deivachilainallur Tank Ellavur Tank Ethivayal Tank Ekkakudi Tank	Kodaiveli, Vellamaridikatti Big& Small, Deivachilainallur,Ellavur, Ethivayal, Ekkakudi Tanks WUA	459.24
21	UKM-21	T.Karumakulam	T.Karumakulam Tank	T.Karumakulam Tank WUA	
22	UKM-22	Ethivayal	Thennevannur Tank	Thennevannur Tank WUA	58.28
23	UKM-23	Ekkakudi Mayankulam Kulaputham	PakkiriPudukulam Tank Mayankulam Tank Vagai Tank	PakkiriPudukulam, Mayankulam and Vagai Tanks WUA	133.44
24	UKM-24	Ekkakudi Pullandhai	Kottaigualm Tank Vengulam Tank	Kottaigualm and Vengulam Tanks WUA	76.37
25	UKM-25	Landhai	Landhai Tank	Landhai Tank WUA	
26	UKM-26	Ervadi	Ervadi Tank	Ervadi Tank WUA	53.2
27	UKM-27	Puthendal	Puthendal Tank	Puthendal Tank WUA	131.32

ANNEXURE-I

UTHIRAGOSAMANGAIYAR SUB-BASIN --WEED DETAILS

Sl.No	District	Taluk	Block	Name of Village	System Tank		Prosopis juliflora(PJ)	
					Name of Tank	Ayacut(ha)		
1	Ramanathapuram	Paramakudi	Paramakudi	Vilangudi	Vilangudi Tank	20.81	PJ	
2				Thenpoduvakudi	Thenpoduvakudi Tank	65.38	PJ	
3				Tholur	Tholur Tank	62.92	PJ	
4				Tholur	Kanjiendhal Tank	47.64	PJ	
5				Pamboor	Pamboor Tank	103.07	PJ	
6				S.Andakudi	Kolavipatti Tank	54.13	PJ	
7				Melayakudi	Melayakudi Tank	284.33	PJ	
8				Andakudi	Andakudi Tank	42.78	PJ	
9				S.Kavanur	S.Kavanur Tank	180.44	PJ	
10				Kattuparamakudi	Pambuvilundan Tank	77.87	PJ	
11				Kamuthakkdi	Nandupatti Tank	23.22	PJ	
12				Thenpoduvakudi	Thalaikkal Tank	20.17	PJ	
13				K.Karungulam	K.Karungulam Tank	47.67	PJ	
14				Kattuparamakudi	Thelichathanallur Tank	119.14	PJ	
15				Kattuparamakudi	Kattuparmakudi	283.98	PJ	
16				Vendoni	Ganapathiendal Tank	23.6	PJ	
17				Venkatankurichi	Venkatankurichi Tank	142.15	PJ	
18				Vendoni	Vendoni Tank	216.13	PJ	
19				Nenmeni	Nenmeni Tank	99.49	PJ	
20				Poduvakkudi	Poduvakkudi Tank	59.97	PJ	
21				Valangudi	M.Nedungulam Tank	81.55	PJ	

22				Kamudakkudi	Kamudakkudi Tank	321.85	PJ	
23				Kamudakkudi	Athirendal Tank	22.96	PJ	
24				Udaikulam	Udaikulam Tank	30.45	PJ	
25	Ramanathapuram	Paramakudi	Paramakudi	Ariyanendal	Vagaikulam Tank	17.88	PJ	
26				Vengalore	Sengokottai Tank	29.47	PJ	
27				Kandakulam	Kandakulam Tank	15.25	PJ	
28				Marichikatti	Marichikatti Tank	25.85	PJ	
29				Vilathur	Vilathur Tank	122.22	PJ	
30				Urapuli	Urapulli Tank	197.65	PJ	
31				Ariyanendal	Ariyanendal Tank	98.56	PJ	
32				Kamuthakudi	Sundanendal Tank	38.67	PJ	
33				Urakudi	Urakudi big Tank	176.65	PJ	
34				Madanthai	Madanthai Tank	70.5	PJ	
35				Vengalure	Vengaloure Tank	126	PJ	
36				Perrunkarai	Perunkarai Tank	373.65	PJ	
37				Kalaiyur	Kalaiyur small tank	65.77	PJ	
38	Ramanathapuram	Mudhukalathur	Mudhukulathur	Kakkur	Kakkur Tank	228.19	PJ	
39				Keelakodumalur	Keelakodumalur Tank	77.34	PJ	
40				Keelakodumalur	Melakodumalar Tank	237.15	PJ	I
41				Vekalankurichi	Vekalankurichi Tank	98.79	PJ	
42				Puliyankudi	Puliyankudi Tank	115.18	PJ	
43				Posukkudi	Posukkudi Tank	40.7	PJ	
44				Valanadu	Valanadu Tank	198.32	PJ	
45				Alankanur	Alankanur Tank	72.4	PJ	
46				Ulaiyur	Ulaiyur Tank	62.3	PJ	
47				Sellur Tank	Sellur Tank	164.47	PJ	
48				Venneervoikkal	Venneervoikkal Tank	32.19	PJ	

49				Keelapanaiyadiendal	Keelapanaiyadiendal Tank		PJ	
50				Thiruvakki	Thiruvakki Tank	30.63	PJ	
51				Keela Kanniseri	keelakanniseri Tank	32.06	PJ	
52				Vikirapandipuram	Vikirapandipuram Tank	39	PJ	
53				Nallukurichi	Nallukurichi Tank	110.91	PJ	
54				Nallukurichi	Athanakrichi Tank	25.98	PJ	
55	Ramanathapuram	Mudhukalathur	Mudhukulathur	Puliyankudi	Vadpuliyankudi Tank	20.21	PJ	
56				Neerkundram	Neerkundram Tank	17.6	PJ	
57				Erumaipati	Erumaipatti Tank	16.87	PJ	
58				Pokkaranendhal	Pokkaranendhal Tank	15.83	PJ	
59				Kodarendal	Kodarendal Tank	16.68	PJ	
60				Magindi	Magindi Tank	48.85	PJ	
61				Ponnakkaraiendal	Ponnakkaraiendal Tank	11.35	PJ	
62				Pirbakkalur	Pirbakkalur Tank	38.68	PJ	
63				Ponnakkaneri	Ponnakkaneri Tank	30.62	PJ	
64				Palikulam	Udaikulam Tank	20.65	PJ	
65				Meesal	Meesal Tank	35.59	PJ	
66				Surankulam	Surankulam Tank	11.38	PJ	
67				Parathan	Paranthan Tank	15.09	PJ	I
68				Poseri	Pooeri Tank	15.76	PJ	
69				Padayanendal	Padayanendal Tank	11.16	PJ	
70				Variyankootam	Variyankottam Tank	10.9	PJ	
71				Kattakulam	Kattakulam tank	85.02	PJ	
72				Keranur	Keranur tank	86.33	PJ	
73				Athikulam	Athikulam tank	56.35	PJ	

74				Karumal	Karumal tank	86.55	PJ	
75				Mudukulathur	Mudukulathur tank	530.05	PJ	
76				Keelkanjirankulam	Keelkanjirankulam tank	61.24	PJ	
77				Nochikulam	Nochikulam tank	55.2	PJ	
78				Valukaai kulam	Valukki kulam tank	62.11	PJ	
79				Manalur	Manalur tank	53.04	PJ	
80				Kannathan	Kannathan tank	42.61	PJ	
81				Keelakulam	Melakulam tank	53.14	PJ	
82				Vilangalathur	Vilangalathur tank	77.06	PJ	
83				Thadankai	Thadankai tank	47.04	PJ	
84				Keelakulam	Keelakulam tank	58.33	PJ	
85				Puluthi kulam	Puluthi kulam tank	42.22	PJ	
86				Sathanur	Sathanur tank	80.08	PJ	
87				Sampakulam	Sampakulam tank	67.03	PJ	
88				Thiruvarangam	Thiruvarangam tank	62.87	PJ	
89				Kolundurai	Kolundurai tank	62.63	PJ	
90				Ervadi	Ervadi tank	53.2	PJ	
91				Idyankulam	Idyankulam tank	125.74	PJ	
92	Ramanathapuram	Paramakudi	Bogalur	Pandi Kommai	Nilayambadi Tank	57.1	PJ	
93				Keelakottai	Keelakottai Tank	60.4	PJ	
94				Ariyakudi	Ariyakudi Tank	78.8	PJ	
95				Ettivayal	Ettivayal Tank	137.3	PJ	
96				Sevvoor	Sevvoor Tank	89.5	PJ	
97				Mennanthi	Mennanthi Tank	61.2	PJ	
98				Kamankottai	Kalikottai Tank	63.5	PJ	
99				Kamankottai	Kamankottai Tank	137.6	PJ	
100				Kummukottai	Poovilsthur Tank	52	PJ	

101				Kummukottai	Kummukottai Tank	46	PJ	
102				Paramakudi	Pottithai Tank	52.2	PJ	
103				GangaiKondan	Kollanur Tank	82.2	PJ	
104				Semanur	Semanur Big Tank	107.8	PJ	
105	Ramanathapuram	Paramakudi	Bogalur	Semanur	Semanur Small Tank	58	PJ	
106				S.Kodikulam	S.Kodikulam Tank	84.9	PJ	
107				Urathur	Urathur Tank	48.2	PJ	
108				Theeyanur	Theeyanur Tank	150.02	PJ	
109				Keelakottai	Muthuvayal Tank	159.98	PJ	
110				Gangaikondan	Meyyanendal tank	16.26	PJ	
111				Pattanendal	Pattanendal tank	53.53	PJ	
112				Vananganendal	Vananganendal tank	27.69	PJ	
113				Semanur	Inakkanpiriyan Tank	14.68	PJ	
114				Kavuthakudi	Kavuthakudi Tank	64.22	PJ	
115				Manjur	Manjur Tank	96.92	PJ	
116				Ariyakudi	Jothiyendal tank	5.58	PJ	
117				Ariyakudi	Muthodai tank	10.86	PJ	
118				Kakkanendal	Kakkanendal tank	34.08	PJ	
119				Koraikulam	Koraikulam tank	2.84	PJ	
120				Ettivayal	Arungudi tank	11.09	PJ	
121				Ilanthaikulam	Ilanthaikulam tank	5.17	PJ	
122				Eluvur	Eluvur tank	15.06	PJ	
123				Vallakulam	Narayanendal tank	17	PJ	
124				Valanseethai	Valanseethai tank	9.77	PJ	
125				Keelakottai	chinna Idamabal tank	14.12	PJ	
126				Kummukottai	Mavilangai tank	39.43	PJ	
127				Theeyanur	Veppankulam tank	28.58	PJ	
128				Manjakollai	Karuthanendal big	23.14	PJ	

					tank			
129				GangaiKondan	Valasai tank	34.46	PJ	
130				Averandal	Averandal tank	19.63	PJ	
131				T.Karungulam	T.karungulam tank	42.2	PJ	
132				Pandi Kommai	Pandi Kanmoi tank	41.9	PJ	
133				A.pudur	A.pudur tank	134.91	PJ	
134				Anumaneri	Anumaneri tank	56.23	PJ	
135				Keelambal	Keelambal tank	58.33	PJ	
136				Semanur	Anaikudi tank	42.91	PJ	
137				Ettivayal	Thennavanur tank	58.28	PJ	
138				Ekkakudi	Ekkakudi tank	110.18	PJ	
139				Mallal	Sirunanguneri Tank	22.77	PJ	
140				Mallal	Moonjan Tank	14.87	PJ	
141				Mallal	Kovilanchathan Tank	28.04	PJ	
142				Mallal	Kalakkudi Tank	23.25	PJ	
143				Kodaiveli	Kodaiveli tanl	24.82	PJ	
144				Mallal	Puthukkulam tank	31.68	PJ	
145				Mallal	Vadavelankulam Tank	26.26	PJ	
146				Kadampankudi	Kadampankudi Tank	27.94	PJ	
147				Malankudi	Malakudi Tank	117.54	PJ	
148				Pukkulam	Pukklam Tank	25.01	PJ	
149				Vellamarichikatti	Dhevivachilai nallur tank	110.99	PJ	
150				Uthirakosamangai	Uthirakosamangai Tank	152.97	PJ	
151				Kalari	Kalari Tank	717.81	PJ	
152				Vellamarichikatti	K.Kodikulam Tank	40.4	PJ	
153				Vellamarichikatti	Vellamarichikatti	9.47	PJ	

					small tank			
154				Vellamarichikatti	Vellamarichikatti big tank	177.63	PJ	
155				Ekkakudi	Kothangulam tank	60.09	PJ	
156				Mayankulam	Mayankulam tank	45.21	PJ	
157				Mallal	Mallal tank	142.12	PJ	
158				Nallurukki	Nallurukki tank	151.75	PJ	
159				Alangulam	Alangulam tank	93.97	PJ	
160				Landhai	Landhai tank	95.04	PJ	
161				Landhai	Achangudi tank	48.98	PJ	
162				Landhai	L.Karungulam tank	69.39	PJ	
163				Vellamarichikatti	Vithanur tank	62.64	PJ	
164				Kulapatham	Vaigai kanmoi	45.17	PJ	
165				Pullandhai	Vengulam tank	52.53	PJ	
166				Puthendal	Puthendal tank	131.32	PJ	
167				R.S.Madai	Sakkarakottai tank	680.57	PJ	
168				Achadipirambu	Erumaiparalai tank	91.1	PJ	
169				R.S.Madai	Vannikudi tank	45.61	PJ	

ANNEXURE - II

UTHIRAKOSAMANGAIYAR SUB BASIN

DOMESTIC SEWAGE

Sl. No.	Name of Town	Water body into which Sewage is discharged
1	Paramakudi	Right main canal near Balan Nagar
2	Mudukulathur	Open channel & land
3	Kadaladi	Open channel & land
4	Ramnad	Open channel & land

ANNEXURE- III

UTHIRAKOSAMANGAIYAR SUB BASIN

MUNICIPAL SOLID WASTE

Sl No.	Location of Solid waste disposal	Disposal of solid waste in Land	Qty.in M.T.	Disposal of solid waste into water body		
				River	Tank	Odai
1	Paramakudi	Compost yard	14.4	—	—	—
2	Bogalur	Compost yard		—	—	—
3	Mudukulathur	Compost yard	0.5	—	—	—
4	Kadaladi	Compost yard	1.5	—	—	—
5	Thirupullani	Compost yard		—	—	—
6	Ramanathapuram	Compost yard	11.80	—	—	—

ANNEXURE -I V

LIST OF INDUSTRIES IN UTHIRAKOSAMANGAIYAR SUB BASIN

Sl. No	Name of Industry & Address	Taluk	Category	Type
INDUSTRIES IN RAMANAD DISTRICT				
MUDUKULATHUR TALUK				
1	Sivakumar bricks,venneervaikkal	Mudukulathur	Bricks	OS
2	Sri palaniandaver chamber Works.Vilangulathur.	Mudukulathur	Bricks	OS
3	TNSTC Ltd Branch, Mudukulathur Branch.	Mudukulathur	Automobiles	OS
	PARAMAKUDI TALUK			
1	Pineer Spinners Kamuthakudi.	Paramakudi	Spinning	OL
2	Anisha bricks Thinaikulam, Ariynendal post.	Paramakudi	Bricks	OS
3	Annai chamber bricks Thinaikulam, Ariynendal .	Paramakudi	Bricks	OS
4	Balakrishna chamber bricks,Maruchukatti village, Pathibanurpost	Paramakudi	Bricks	OS
5	Deen chamber works, Karathanthal,Pandi kanmoi.	Paramakudi	Bricks	OS
6	Golden rexin india private, ltd Karunkukam,Eattivayal post.	Paramakudi	Rexin	OS
7	Habeer chamber works, Manjur	Paramakudi	Bricks	OS
8	Krishna bricks ,Manjur.	Paramakudi	Bricks	OS
9	M.S. Bricks Manjur.	Paramakudi	Bricks	OS
10	Manoharan chamber bricks, Madurai road, Thinaikulam, Manjur.	Paramakudi	Bricks	OS
11	Maria chamber bricks, Thinaikulam.	Paramakudi	Bricks	OS

12	Meena paper products A Poduvakudi road Thelichathanullur,	Paramakudi	Handmade	OS
13	National textiles corporation, Pioneer spinners, Kamuthakudi	Paramakudi	Textiles	OS
14	Neelam B.K. Rice mill, Madurai road Maraikapattinam,Vendhoni.	Paramakudi	Rice mill	OS
15	Nijam chamber brick works,Mandapam road, Manjur.	Paramakudi	Bricks	OS
16	P.S.N. brick works, Mandapam road,paralai village parthibanur road	Paramakudi	Bricks	OS
17	Prakasam chamber brick works,Parthibanur .	Paramakudi	Bricks	OS
18	Praveena chamber brick works,Urapuli village.	Paramakudi	Bricks	OS
19	Raju bricks, Thinaikulam.Manjur.	Paramakudi	Bricks	OS
20	Sivagami Modern rice mill, Madurai-- Mandabam road	Paramakudi	Rice mill	OS
21	Sree Seeniappa brick works, Manjur.	Paramakudi	Bricks	OS
22	SriAmman bricks,Mangamma salai,Urabuli.	Paramakudi	Bricks	OS
23	Sri kamatchi & sons chamber bricks, Manjur.	Paramakudi	Bricks	OS
24	Suba Auto Services.Paramakudi,	Paramakudi	Automobiles	OS
22	Raghu Raman Renewable Energy	Paramakudi	Electricty	OL
KADALADI TALUK.				
1	Muthusamy Engg Works,V.V.R Nagar, K.K.Nagar, Sayalkudi	Kadaladi	Engg Works	OS
2	Indian Rice & Flower Mill, maniarajapuram, Sayalkudi	Kadaladi	Flour Mill	OS
3	Sri Gridhar Foods Ltd, MelaMuthal,Valinokam	Kadaladi	Foods	OS

4	Seyhupathi Modern Rice Mill Mudukualathur Road	Kadaladi	Hulting	OS
5	Tamilnadu Salt Corporation,Mariyr Valinkam,Sikkal(via)	Kadaladi	Salt	OS
6	Paravathi Salt Induatries, Thanichiam Village, Valinokam	Kadaladi	Salt Pan	OS
7	Tamilnadu Magnesium& Marine Chemicals Ltd, Valinokam	Kadaladi	Chemicals	RS
RAMANAD TALUK				
1	TWAD Panikulam Desalination Plant Panaikulam Ramnad.	Ramnad	Desalination	OM
2	TWAD Uthrakosamangai Desalination plant Uthrakosamangai Ramnad	Ramnad	Desalination	OM
3	Syed ammal Engg college Lanthai, Achunthanvayal, Ramnad dist.	Ramnad	Institutions	OM
4	Delux Acro Products, Kalukoorani	Kelakarai	Agro	OS
5	TNSTC Ltd., Madurai Ramnad Road, Acunthanvayal	Ramnad	Automobiles	OS
6	S.M Brick Industries, Kanjirankudi road, Kanjirankudi	Ramnad	Bricks	OS
7	Farakka coir industries, Kanjirankudi road, Kanjirankdi	Ramnad	Coir	OS
8	Dinesh Fibre, Periyar Nagar, R.S. Madai	Ramnad	Fibre	OS
9	Mydeen Fibre, Kanjirangudi	Ramnad	Fibre	OS
10	Pullanaiamman Fibre Industries	Kelakarai	Fibre	OS
11	Fishnets, Kalukoorani	Ramnad	Fishnets	OS
12	Marine nets, Kalukkorani	Ramnad	Fishnets	OS
13	Salt Works Thiruppullani village Ramnad	Ramnad	Misc Salt Pan	OS
14	Meenam Rexin pvt ltd, Kalukoorani.	Ramnad	Rexin	OS

15	Jagan Salt	Tirupullai	Salt	OS
16	Krishna Salt Manufacturing company, Nagudachery	Peruvayal	Salt	OS
17	Sri Sankar Salt Works, Ramnad Road	Tirupullai	Salt	OS
18	Sri Suraj Salt Works Thanichiam, Kadaldi Ramnad	Ramnad	Misc Salt Pan	OS
19	The Ramnad Dist Ex-Serviceman Iodide Salt Manu,Indu, Uchapuli	Ramnad	Salt	OS
20	Uma Salt, Tirupullani	Ramnad	Salt	OS
21	Ayyappan Textiles Ltd, Achunthavayal	Ramnad	Textiles	OS

Name and Address of the Factory/ Usilampatti taluk			Major Cronomic Activity	Type	SSI/NON SSI
Tamilnadu State Transport Corporation Ltd.,	Sakkampatti	Usilampatti TK	Automobile	OS	NON SSI
Tamilnadu Chamber Bricks	Chettiapatti	Usilampatti TK	Brick manufacturing	OS	SSI
Jeyarani Curling & Coir Mills	Peraiyur Road	Usilampatti TK	Coir products	OS	NON SSI
Athilakshmi Oil Mill Thummakkundu, Usilampatti Taluk,	Usilampatti		Food Products	OM	
Deivam Bisuits Confectionery	Theni Road	Usilampatti TK	Food products	OM	SSI
Jeyabarathy Foods (P) Ltd.,	Periyar Road	Usilampatti TK	Food products	OM	SSI
Kan Mark Pickels Company	Theni Road	Usilampatti TK	Food products	OM	SSI
Leo Biscuits Confectionery	Periyar Road	Usilampatti TK	Food products	OM	SSI
Sri Pandian Bakes	Vinayagar Koil Street	Usilampatti TK	Food products	OM	SSI
V.K. Samy Confectionery & Biscults Manufacturers	Periyar Road	Usilampatti TK	Food products	OM	SSI

Virco Food Products	Aavudaithaga Nadar Street	Usilampatti TK	Food products	OM	NON SSI
A T Duraisamy Nadar- Krishna Rice Mill	11 Street	Usilampatti TK	Hulling	OS	SSI
Arumuga rice & Oil Mill 4 / 356, Karukkattan Pattim , Usilampatti Taluk.	Usilampatti		Hulling	OS	
K.P.M. Kuppan Chettiar Rice mill	Melapudur	Usilampatti TK	Hulling	OS	SSI
K.P.Meenakshi Rice Mill	Madurai Road	Usilampatti TK	Hulling	OS	SSI
Nallathambi Modern Rice Mill	Periyar Road	Usilampatti TK	Hulling	OS	SSI
Seenithever sons Modern Rice Mill	Kavundanpatti	Usilampatti TK	Hulling	OS	SSI
Selvi Modern Rice Mill	Madurai Road	Usilampatti TK	Hulling	OS	SSI
Sree Sivasakthi Rice Mill	Periyar Road	Usilampatti TK	Hulling	OS	SSI
Sri Arumuga Rice mill	Karukkattampatti Road	Usilampatti TK	Hulling	OS	SSI
.,	Usilampatti		Hulling	OS	
T.R.M.S. Rice Mill	Periyar Road	Usilampatti	Hulling	OS	SSI

		TK			
Veerammal Flour Mill Karukkattanpatti Road, Usilampatti.	Usilampatti		Hulling	OS	
Selvi Ice Company Post Office Street, Usilampatti.	Usilampatti		Ice	OS	
T.R Swaminathaiya nadar & Co	Periyar Road	Usilampatti TK	III	OS	SSI
Balagi Minerals Nadupatti village, Usilampatti Taluk.	Usilampatti		Mines	RS	
Rajasuganya Oils (P) Ltd.,	Kavanadanpatti Road	Usilampatti TK	Oil mill	OS	SSI
Goodwill Team Paper Team Garden Uthappannaickanur Usilampatti Taluk,	Usilampatti		Pulp & Paper	OM	
Sri Mappillai Vinayagar Spinning Mills Ltd.,	Perumalpatti	Usilampatti TK	Spinning	OM	NON SSI
Thottapannayakanoor Power Lomm Co-op Production &Sales Society Ltd.,	Thottapanayakanoor	Usilampatti TK	Spinning	OM	NON SSI
Usiali Thiru Karpaga Vinayagar Cotton Spinning Mills (P) Ltd.,	Thottapanayakanoor	Usilampatti TK	Spinning	OM	SSI
Mappillai Vinayagar Spinnning Mill, Perumalpatti Village, Usilampatti Taluk,	Usilampatti		Spinning Mill	OM	
Baskara Pandian Blue Metal Chellampatti Post,	Usilampatti		Stone	OS	

Usilampatti Taluk.			Crusher		
Sahaya Blue Metal Unit ll Karumathur, Usilampatti.	Usilampatti		Stone Crusher	OS	
Sathish Sasi Blue Metal 21 / 16, Sivan Kalai Street, Kilaputhur, Usilampatti.	Usilampatti		Stone Crusher	OS	
Senthilmurugan Enterprises Chokkanathapuram, Chekkanoorani, Usilampatti.	Usilampatti		Stone Crusher	OS	
Sakthi Bricks And Tile Works E. Nedupatti, Usilampatti.	Usilampatti		Tiles	OS	
Asian Bricks & Tiles Company	Vadunganpatti Post	Usilampatti TK	Tiles manufacturing	OS	SSI

INDUSTRIES IN THIRUMANGALAM TALUK

Sl. No	Name and address of the Factory		Major Cronic activity	Type	SSI/NON SSI
1	Coolmax Radiatiors (P) Ltd.,	Kappalur	Automobile	OS	SSI
2	Tamilnadu State Transport Corporation Ltd.,	Usilampatti Road	Automobile	OS	NON SSI
3	Tnstc – Tirumangalam Usilai Road, Tirumangalam.	Kappalur	Automobile	OS	NON SSI
4	Assian Bags (P) Ltd.,	Kappalur	Bags	GM	SSI
5	Delite Print Bags (P) Ltd.,	Kappalur	Bags	GM	SSI
6	Poly Bags (P) Ltd.,	Kappalur	Bags	GM	SSI
7	Kalidoss Brush Company]	Maravankulam	Brushes	OS	NON SSI
8	Muthu Brush Company	Kappalur	Brushes	OS	NON SSI
9	Fine Cable Industries	Kappalur	Cables	OS	SSI
10	Paramount Canvas Processors (P) Ltd.,	Kappalur	Canvas	OS	SSI
11	Balaji Chemical 165, Sidco , Kappalur.	Kappalur	Chemical	RS	
12	Balaraman Tafe Sidco Industriala Estate, Kappalur.	Kappalur	Chemical	RS	
13	Carbose India Melakottai, Tirumangalam.	Thirumangalam	Chemical	RS	
14	Century Chemical & Oil Mills Vehappatti, Tirumangalam Taluk.	Thirumangalam	Chemical	RS	
15	Chear chlorites Private Limited Melakottai, Tirumangalam Taluk.	Thirumangalam	Chemical	RS	

16	Dhanasekara Pandian & Sons Dharmattupatti Village, Tirumangalam.	Thirumangalam	Chemical	RS		
17	Jeya Ambika Metals K. Vellankulam Villagae Tirumangalam.	Thirumangalam	Chemical	RS		
18	Jeyanthi Chemical Sidco Indl.Estate, Kappalur.	Kappalur	Chemical	RS		
19	Kapsons Industries Sidco Industrial Estate, Kappalur.	Kappalur	Chemical	RS		
20	KPS Textile Gum 170/1A, Kilavanari Village Tirumangalam, Taluk.	Thirumangalam	Chemical	RS		
21	Lakshmi Industries Sidco Industrial Estate, Kappalur.	Kappalur	Chemical	RS		
22	Madurai Latex Products Sidco Industrial Estate, Kappalur.	Kappalur	Chemical	RS		
23	Marine Bye Products Sidco Industrial Estate, Kappalur.	Kappalur	Chemical	RS		
24	Om Sakthi Chemicals, Indl. Estate, Kappalur, Madurai.	Kappalur	Chemical	RS		
25	Rajaganapathy Chemicals Sidco Indl. Estate,Kappalur.	Kappalur	Chemical	RS		
26	Rajaganapathy Industries Melakkottai.	Thirumangalam	Chemical	RS		
27	RVS & Company Uchapatti, Tirumangalam Taluk.	Thirumangalam	Chemical	RS		
28	Sri Meenakshi Chem Industries D-37, Sidco, Kappalur.	Kappalur	Chemical	RS		
29	Sri Ram Calcium Carbonate Sidco Industrial Estate,	Kappalur	Chemical	RS		

	Kappalur.				
30	Srinivasa Marine & Chemicals Melakkottai, Tirumangalam Taluk.	Thirumangalam	Chemical	RS	
31	Thai – Hi Tech Chemical D – 30 Sidco, Kappalur.	Kappalur	Chemical	RS	
32	Meenakshi Match Industries	Aavalsuranpatti Panchayat	Fire works	RS	NON SSI
33	Meenu Chemicals Sidco, Kappalur.	Kappalur	Chemicals	RS	
34	Priyanga Chemicals]	Kappalur	Chemicals	RS	NON SSI
35	Suiya Chemicals	Kappalur	Chemicals	RS	SSI
36	Surya Chemicals Sidco Indl. Estate, Kappalur.	Kappalur	Chemicals	RS	
37	Rayal Seema Concrete Sleeper (P) Ltd.,	Railway Yard	Concrete	RS	NON SSI
38	Assefa Milk 55 – 56, Vehapatti, Tirumangalam.	Thirumangalam	Dairy	OS	
39	ASSAFA Diary Development Fedaration	Kappalur	Diary	OS	SSI
40	Madurai District Central Co-Operative Milk	Kappalur	Diary	OS	SSI
41	Raja Ayurvedha Marunthagam	Kappalur	Drugs	OS	SSI
42	Raja Sidha Marunthagam	Kappalur	Drugs	OS	SSI
43	Kalyani Yarn Processors	Kappalur	Dying	RS	NON SSI
44	Sri Sakthi Processors	Kappalur	Dying	RS	SSI
45	Monold Electricl Equipments Ltd.,	Kappalur	Electrical equipts	OS	SSI
46	Excel Containers P Ltd Sidco, Kappalur.	Kappalur	Engineering	OS	

47	SM Industries Sidco, Kappalur.	Kappalur	Engineering	OS	
48	Amman Match Works	Puliankualm Village	Fire works	RS	NON SSI
49	Ayyanar Match Unit	Thadagam Road	Fire works	RS	NON SSI
50	Balaji Match Works	Lalapuram	Fire works	RS	NON SSI
51	Balan Match Works	Kallikudi(Post)	Fire works	RS	NON SSI
52	Chettiar Match Works	P.T.Rajan Road	Fire works	RS	NON SSI
53	Chidambaram Match Industries	Thirumangalam	Fire works	RS	
54	Dhanalakshmi Match Industries	M. Puliangulam	Fire works	RS	NON SSI
55	Krishna Match Works	Kallikudi Village	Fire works	RS	NON SSI
56	Lakshmi Match Works	M.Sengulam	Fire works	RS	NON SSI
57	Murugan Maatch Works	Railway Feeder Road	Fire works	RS	NON SSI
58	Murugan Maatch Works A Unit	Vilathikulam Road	Fire works	RS	NON SSI
59	Pretham Match Company	Villur Village	Fire works	RS	NON SSI
60	Ram Match Works	Melatheru	Fire works	RS	NON SSI
61	Sakthi Match Works	Thadagam Road	Fire works	RS	NON SSI
62	Sekar Match Industries	East Pallivsal Street	Fire works	RS	NON SSI
63	Sivakumar Match Works	Mahimshapuram II Street	Fire works	RS	NON SSI

64	Suganya Match Industries	Virudhunagar Road	Fire works	RS	NON SSI
65	Surya Match Industries	Sivarakkottai	Fire works	RS	NON SSI
66	The Vanithamani Match Works	Rajan Street	Fire works	RS	NON SSI
67	The Ventahmarai Match works	Sengulam East Street	Fire works	RS	NON SSI
68	Kayathiri Matches	Kallikude	Fireworks	RS	NON SSI
69	Avamariya Fish Nets	Kappalur	Fish nets	OS	NON SSI
70	Fajaram Flour Mills	Kappalur	Flour mill	OM	NON SSI
71	Jeyakrishna Flour Mills	Kappalur	Flour mill	OM	NON SSI
72	Aavin Cattle Feed Unit ll Sidco Estate, Kappalur, Madurai – 8.	Kappalur	Food – Beverages	OM	
73	Indian Food Products 24,Sidco Indl.Estate, Kappalur, Madurai – 8.	Kappalur	Food – Beverages	OM	
74	Jayakrishna Flour Mill Unit ll A 2 /3 , Sidco , Kappalur, Madurai.	Kappalur	Food – Beverages	OM	
75	Rajaram Flour Mill Melakottai, Thirumangalalm.	Thirumangalam	Food – Beverages	OM	
76	Bargava Products Sidco, Kappalur.	Kappalur	Food & Beverages	OS	
77	Cellulose Products of India Limited Sidco , Kappalur.	Kappalur	Food & Beverages	OS	
78	Guru Flour Mill Mamsapuram, Tirumangalam.	Thirumangalam	Food &	OS	

			Beverages		
79	Madras Flour Mill Kappalur, Tirumangalam.	Thirumangalam	Food & Beverages	OS	
80	Bharani Foot Wear	Karisalpatti	Foot wears	OS	SSI
81	The Metal Powder Company Limited Maravankulam, Thirumangalam.	Thirumangalam	Foundary	RI	
82	TV Plastics	Kappalur	Foundary	RI	
83	Tansi Furniture	Kappalur	Furniture	OS	NON SSI
84	Peacock Garments (P) Ltd Sidco Indl. Estate, Kappalur, Madurai.	Kappalur	Garments (Dry)	GM	
85	Penguin Apparels p Ltd Sidco Indl. Estate, Kappalur, Madurai.	Kappalur	Garments (Dry)	GM	
86	Penguin Garments(P) Ltd Sidco Indl.Estate,Kappalur, Madurai.	Kappalur	Garments (Dry)	GM	
87	K Ragupathiammal Ginning Factory	Melakkottai	Ginning	OS	SSI
88	Kananan Siva Industries 2 / 2 , Palakkkapudupatti Village, Kappalur.	Kappalur	Ginning	OS	
89	M.M Ginning Factory Kallikudi, Tirumangalam Taluk.	Thirumangalam	Ginning	OS	
90	Ragupathi Ammal Ginning Factory Melakottai, Tirumangalam.	Thirumangalam	Ginning	OS	
91	Sri Thiurpathi Ginning Factory	Melakkottai	Ginning	OS	SSI
92	SriLaxmi Diamond Works	Kappalur	Ginning	OS	NON SSI

93	Thiruppathi Ginning Factory Melakkottai, Tirumangalam.	Thirumangalam	Ginning	OS	
94	Valaguru Ginning Factory Kallikudi, Tirumangalam.	Kappalur	Ginning	OS	sSI
95	Vanithamani Mathch Works P.T. Rajan Street, Tirumangalam.	Thirumangalam	Ginning	OS	
96	Govt. Hospital Tirumangalam.	Thirumangalam	Hospital-Govt	RS	
97	Manickammal Rice Mill 20, Thiruvalluvar Street, Tirumangalam.	Thirumangalam	Hulling	OS	
98	PP Natarajan & Sons 142, Virudhunagar Road, Thi;rumangalam.	Thirumangalam	Hulling	OS	
99	Sathyas Modern Rice Mill	Maruthangaudi	Hulling	OS	SSI
100	Sivananda Rice & Oil Mill	Virudhunagar Road	Hulling	OS	SSI
101	Sri Chithanathan Rice & Oil Mill	Arumugam Road	Hulling	OS	SSI
102	A.B.M. Corporation	Kappalur		OS	SSI
103	Dhanalakshmi Industries	Kappalur		RS	SSI
104	Ganesh Saravana Industries	Vilathikulam Road		RS	SSI
105	M/s Pearl Mineral Products	Kappalur		OS	NON SSI
106	Madurai West Sarvodays Sangam	Sasthripuram		OS	NON SSI
107	Ramu Incorporated	Kappalur		OS	SSI
108	Saraswathi Crown Cark Industries	Kappalur		OS	NON SSI
109	Southern Rhims (P) Ltd.,	Kappalur		OS	SSI

110	Swarna Agencies	Kappalur		OS	SSI
111	Thirumangalam Co-Op Marketing Society	Vilathikulam Road		OS	SSI
112	Vinayaga Industries BS-18 Sidco Indl. Estate Kappalur, Madurai – 8	Kappalur		RS	NON SSI
113	Yagappa Industries 79 / 3, Chetti Pillayarnatham, Tirumangalam.	Kappalur		RS	NON SSI
114	Balaji Mineral Enterprises	Kappalur		OS	SSI
115	Standard Enterprises	Kappalur		OS	SSI
116	Ganapathi Industries	Koothiyarkundu Post		RS	SSI
117	Lakshmi Industries	Kappalur		RS	SSI
118	Super Run Products (P) Ltd.,	Kappalur		OS	SSI
119	Balaji Mineral Enterprises Dharmathupatti, Tirumangalam.	Thirumangalam	Limestone	OS	
120	Baskar Lime Industries D-40 Sidco, Kappalur.	Kappalur	Limestone	OS	
121	Nandhini Enterprises 42, Alampatti-- Sedapatti Road, Tirumangalam.	Thirumangalam	Limestone	OS	
122	Nylon Industries D-45, Sidco, Kappalur.	Kappalur	Limestone	OS	
123	Pearl Minerals 66, Sidco, Kappalur.	Kappalur	Limestone	OS	
124	Sreethi Enterprises D-2, Sidco, Kappalur.	Kappalur	Limestone	OS	
125	Hpcl – Lpg 171 - -172, Sidco Industrial Esdate, Kappalur, Madurai.	Kappalur	Lpg Bott	RI	

126	Amman Match Works M..Puliankulam Village, Tirumangalam.	Thirumangalam	Match Works	RS	
127	Vasu Crushers 9. Ulagani, Tirumangalam Taluk.	Thirumangalam	Match Works	RS	
128	Aluminum Powder Company Ltd	Melakkottai	Metal powder	RS	NON SSI
129	The Aluminium Powder Company Limited Melakottai, Thirumangalam.	Thirumangalam	Non – Ferr Metal	RI	
130	Ravi Industries 180, Sidco, Kapplur.	Kappalur	Oil Reclaimation	RS	
131	Sun Reclaimery 25,Mdu Automobile Co-Op, Industries Estate,Kappalur.	Kappalur	Oil Reclaimation	RS	
132	Team Organics Ltd Kallikudi Village, Tirumangalam Taluk.	Thirumangalam	Oil Reclaimation	RS	
133	Hcl Oil Storage Sidco Industrial Esdate Kapppalur, Madurai .	Kappalur	Oil Storage	RI	
134	Hpcl Oil Storage Sidco Industrial Esdate Kappalur, Madurai.	Kappalur	Oil Storage	RI	
135	P.S.N. Spinners	Kappalur	Spinning Mill	OS	SSI
136	T.M.S. Ginning & Oil Mills	Madurai Road	Ginning	OS	SSI
137	Gunamalai Packaging Industries (P) Ltd.,	Kappalur	Packaging	OL	SSI
138	Meena Packaging	Kappalur	Packaging	OL	NON SSI
139	Naga Packaging	Kappalur	Packaging	OL	
140	Pioneer Packaging Products	Kappalur	Packaging	OL	SSI

141	Sara Packaging	Kappalur	Packaging	OL	NON SSI
142	Shree Packs Industries	Kappalur	Packaging	OL	SSI
143	Muthu Paint Industries D-9 Sidco, Kappalur.	Kappalur	Paint	RS	
144	Chandra Paper Products	Kappalur	Paper products	OS	SSI
145	Jaycee Paper Boards	Melakkottai	Paper products	OS	SSI
146	Micro Chemical Sidco Indusatrial Estatem, Kappalur.	Kappalur	Pesticide	RS	
147	Hindustan Petrroleum Corporation Ltd.,	Kappalur	Petrolium products	RS	NON SSI
148	A.D.R. Plastics	Kappalur	Plastics	OS	SSI
149	Anantha Ploy Products (P) Ltd.,	Kappalur	Plastics	OS	NON SSI
150	Standard Poly Plastics (P) Ltd.,	Kappalur	Plastics	OS	NON SSI
151	Pandian Print Packs Sidco Indl .Estate, Kappalur, Madurai.	Kappalur	Poly Bags	GS	
152	ATR Ploymers	Kappalur	Polymers	OS	NON SSI
153	Ratna Press	Virudhunagar Road	Printing	OS	SSI
154	Jayee Paper Board 3 /81 A, Melakkottai, Thirumangalam.	Thirumangalam	Pulp & Paper	OS	
155	Pioneer Paper Board 6 /1 ,Thenkasi Road, Karisalpatti, Tirumangalam.	Thirumangalam	Pulp & Paper	OS	
156	Srinivasa Paper & Board 26 /1 A, Thenkasi Road, Karisal patti, .	Thirumangalam	Pulp & Paper	OS	

157	Pecock Apparels (P) Ltd.,	Kappalur	Readymade garments	GM	NON SSI
158	Penquin Apparels (P) Ltd.,	Kappalur	Readymade garments	GM	SSI
159	Penquin Apparels (P) Ltd., UnitII	Kappalur	Readymade garments	GM	NON SSI
160	Penquin Apparels (P) Ltd., UnitIII	Kappalur	Readymade garments	GM	NON SSI
161	Penquin Garments (P) Ltd.,	Kappalur	Readymade garments	GM	SSI
162	Aravind Products 63, Sidco, Kappalur.	Kappalur	Rubber	RS	
163	Christwin Industries 52, Sidco, Kappalur.	Kappalur	Rubber	RS	
164	Hi-Tech Aray Ltd 30, Sidco , Kappalur.	Kappalur	Rubber	RS	
165	Hi-Tech Aray Ltd Shed No.60, Sidco, Kappalur.	Kappalur	Rubber	RS	
166	Kamala Rubber Company 60,Sidco, Kappalur.	Kappalur	Rubber	RS	
167	Madurai Rubber Company B5,14(P) Sidco, Kappalur.	Kappalur	Rubber	RS	
168	Sahay Rubber Products 7, Sidco Kappalur.	Kappalur	Rubber	RS	
169	Sri Meenakshi Rubber Co. 43, Sidco, Kappalur.	Kappalur	Rubber	RS	
170	Super Run Products 78, Sidco, Kappalur.	Kappalur	Rubber	RS	
171	Vikash Threads	Kappalur	Rubber	RS	
172	Vinoth Rubber Factory	Kappalur	Rubber	RS	

173	Chitra Cones & Tubes	Kappalur	Rubber products	RS	SSI
174	Efgy Rubberr Kap	Kappalur	Rubber products	RS	NON SSI
175	Padmalakshni Rubber Products(P) Ltd.,	Kappalur	Rubber products	RS	SSI
176	Saghay Rubber Products	Kappalur	Rubber products	RS	SSI
177	Sri Vishnu Rubber Products (P) Ltd.,	Kappalur	Rubber products	RS	NON SSI
178	Vijay Rubber Industries	Arumugam Road	Rubber products	RS	NON SSI
179	Vijay Rubber Industries Sidco, Kappalur.	Kappalur	Rubber products	RS	SSI
180	National Seeds Corporation	Kappalur	Seeds	OS	NON SSI
181	PVM Selva Jothi Saw Mill .Vellkulam, Kallikudi, Tirumangalam.	Thirumangalam	Service Staion	OS	
182	Ottakam soap Company	Kappalur	Soap	RS	NON SSI
183	Chakra Circular Socks Sidco Indl.Estate, Kappalur, Madurai.	Kappalur	Socks	GS	
184	Ayyanar Spinning Mills	Kallikudi Via	Spinning Mill	OS	NON SSI
185	Babu Spinning Mills Kappalur Indl. Estate, Madurai – 8	Kappalur	Spinning Mill	OM	
186	Colour Yarns Ltd.,	Alampatti	Spinning Mill	OS	NON SSI

187	Dhanalakshmi Mills	Kappalur	Spinning Mill	OS	SSI
188	Kanagadurga Clothes Sidco Indl. Estate, Kappalur, Madurai-8.	Kappalur	Spinning Mill	OM	
189	Madrura Spinners	Kappalur	Spinning Mill	OS	SSI
190	Malaiyarasi Threads	Kappalur	Spinning Mill	OS	SSI
191	Menaka cotton Mill D-32,38 Sidco, Kappalur.	Kappalur	Spinning Mill	OS	
192	N.S.K. Ginning & Oil Mills	Vilathikulam Road	Spinning Mill	OS	NON SSI
193	Padmavathy Spinners Plot No.42 Part, Sidco Kappalur, Madurai – 8.	Kappalur	Spinning Mill	OM	
194	Paramount Mills (P) Ltd.,	Katrampatti Village	Spinning Mill	OS	NON SSI
195	Ply Yarns	Kappalur	Spinning Mill	OS	SSI
196	PSN Spinners 31,Sidco, Kappalur, Madurai.	Kappalur	Spinning Mill	OS	
197	Seetharam Mills	Kappalur	Spinning Mill	OS	SSI
198	Seetharaman Mills BS-15, Sidco Indl. Estate, Kappalur, Madurai – 8	Kappalur	Spinning Mill	OM	
199	Sir Padmalakshmi Mills	Kappalur	Spinning Mill	OS	SSI
200	Sree Thanigai Spinning Mills	Kappalur	Spinning Mill	OS	NON SSI
201	Sri Arumuga Vilas Ginning Factory	Arumugam Road	Spinning Mill	OM	SSI
202	Sri Ayyanar Spinning & Weaving Mill Unit ll Illupakulam, Thirumangalam Tk	Thirumangalam	Spinning Mill	OS	
203	Sri Elumalayan Spinners (P) Ltd.,	Kappalur	Spinning Mill	OS	NON SSI

204	Sri Kalyani Threads	Kappalur	Spinning Mill	OS	NON SSI
205	Sri Kannika Parameswari Mills (P) Ltd Sidco, Kappalur.	Kappalur	Spinning Mill	OS	
206	Sri Pandiyan Print Packs And Textiles Mills Ltd T. Pudupatti 625 704.	Thirumangalam	Spinning Mill	OM	
207	Sri Reghupathi Spinners	Melakkottai	Spinning Mill	OS	NON SSI
208	Sri Senchadai Nathar Karunakadakshi Spinners (P) Ltd.,	Kappalur	Spinning Mill	OS	SSI
209	Sumangala Spinning Mills Shed No.23 & 24 ,Sidco Kappalur, Madurai – 8.	Kappalur	Spinning Mill	OM	
210	Surabi Spinners	Kappalur	Spinning Mill	OS	NON SSI
211	Thiagarajar Mills Ltd.,	Kappalur	Spinning Mill	OS	NON SSI
212	Thiruvethi Ayyanar Spinning Mill Sidco Indl.Estate, Kappalur, Madurai.	Kappalur	Spinning Mill	OS	NON SSI
213	Thiyagarajar Mills Kappalur, Madurai – 8.	Kappalur	Spinning Mill	OM	
214	Thiyagrajar Knitters	Kappalur	Spinning Mill	OM	
215	Vikesh Threads Sidco ,Kappalur.	Kappalur	Spinning Mill	OS	NON SSI
216	Tower Steels Limited Sidco Industrial Limited, Kappalur, Madurai	Kappalur	Steels	RS	NON SSI
217	Agam Blue Metal Tirumangalam.	Thirumangalam	Stone Crusher	OS	
218	Amman Blue Metal Nedungulam Village, Tirumangalam.	Thirumangalam	Stone Crusher	OS	

219	Annai Blue Metal Sengapadai, Tirumangalam.	Thirumangalam	Stone Crusher	OS	
220	CK Devi Blue Metal Vadakarai, Melakottai, Tirumangalam.	Thirumangalam	Stone Crusher	OS	
221	Dhanalakshmi Blue Metal 70 1E, Karpaga Nagar, Tirumangalam.	Thirumangalam	Stone Crusher	OS	
222	JE PS Granite Products T. Pudupatti Village, Thirumangalam.	Thirumangalam	Stone Crusher	OS	
223	Kandasamy Blue Metal 23, Main Street, T. Pudupatti Post, Madurai.	Thirumangalam	Stone Crusher	OS	
224	KP Blue Metals Karisalapatti, Tirumangalam.	Thirumangalam	Stone Crusher	OS	
225	Lord Venkateswara Blue Metal Tirumangalam.	Thirumangalam	Stone Crusher	OS	
226	Mohana Blue Metal Tirumangalam.	Thirumangalam	Stone Crusher	OS	
227	Palanikumaresan Blue Metal Chekkanurani, Madurai.	Thirumangalam	Stone Crusher	OS	
228	RG Blue Metal Vadakarai, Tirumangalam.	Thirumangalam	Stone Crusher	OS	
229	Royalaseema crusher & Concrete Sleepers P Ltd, Thiurmangalam.	Thirumangalam	Stone Crusher	OS	
230	Sairam Stone Metal 57 / 11, Chinna Ulagani, Thirumangalam.	Thirumangalam	Stone Crusher	OS	
231	Sriram Metal Works Kunnanam patti, Thirumangalam.	Thirumangalam	Stone Crusher	OS	
232	V. Nathan Soap Sidco Indl. Estate, Kappalur.	Thirumangalam	Stone Crusher	OS	
233	Vedial Textiles	Thirumangalam	Stone Crusher	OS	

234	Velpandy Blue Metals Thengai Patti, Tirumangalam.	Thirumangalam	Stone Crusher	OS	
235	Venkateswara Textiles Mills	Thirumangalam	Stone Crusher	OS	
236	Vijay Match Industries	Thirumangalam	Stone Crusher	OS	
237	Vinayaga Body Building Industries Unit I	Thirumangalam	Stone Crusher	OS	
238	Vinoth Rubber 124,Sidco, Kappalur.	Thirumangalam	Stone Crusher	OS	
239	Yegam Threads Sidco, Kappalur.	Thirumangalam	Stone Crusher	OS	
240	Annai Blue Metal Industries	Melakkottai	Stone Crusher	OS	SSI
241	Saravnan Blue Metals	k.Puliankulam	Stone Crusher	OS	SSI
242	Uppukamatchi Blue Metal Tirumangalam , Madurai.	Kappalur	Stone Crusher	OS	SSI
243	Vignesh Blue Metasl Karadikkal, Tirumangalam.	Kappalur	Stone Crusher	OS	NON SSI
244	Hari Granites Sidco, Kappalur.	Kappalur	Stone Polishing	OS	
245	G.D. Textiles (Mdu) P.Ltd 82. Sidco Indl. Estate, Kappalur, Madurai.	Kappalur	Tex.Proc	OM	
246	Lilly Cotton Products Alampatti, Tirumangalam.	Thirumangalam	Text Processing	OS	
247	Sundarraja Spinning Mill Sidco , Kappalur, Madurai.	Kappalur	Text Processing	OS	
248	Super Quality Mills Sidco, Kappalur.	Kappalur	Text Processing	OS	
249	Alagammai Mercerising D-33, Sidco , Kappalur, Madurai – 8	Kappalur	Textile Processing	RS	

250	Mona Textiles Melakottai, Tirumangalam.	Thirumangalam	Textile Processing	RM	
251	Vinod Blue Metal K. Puliankulam, Tirumangalam.	Kappalur	Textile Processing	OM	
252	Selvaraj Fabrics (P) Ltd.,	Kappalur	Textiles	OS	NON SSI
253	A.T. Weaving	Sidco	Textiles	OS	NON SSI
254	Aanjaneya Weavings (P) Ltd.,	Kappalur	Textiles	OS	NON SSI
255	Abirami Textiles (P) Ltd.,	Kappalur	Textiles	OS	NON SSI
256	B.L. Textiles	Kappalur	Textiles	OS	NON SSI
257	Balaji Textile Mills	Kappalur	Textiles	OS	SSI
258	Cappteev Textiles (P) Ltd.,	Kappalur	Textiles	OS	SSI
259	Clasic Weaving	Kappalur	Textiles	OS	NON SSI
260	Gowri Yarn Fabrics	Kappalur	Textiles	OS	SSI
261	Hanuman Weaving Co (P) Ltd.,	Kappalur	Textiles	OS	NON SSI
262	J.K. Textiles Mills	Kappalur	Textiles	OS	NON SSI
263	Jagrit Polymers (P) Ltd.,	Kappalur	Textiles	OS	SSI
264	Keerthana Weaving	Kappalur	Textiles	OS	NON SSI
265	Kumaran Textiles	Kappalur	Textiles	OS	NON SSI
266	Lakshmi Durga Super Fabrics	Kappalur	Textiles	OS	NON SSI
267	Lakshmi Weaves	Kappalur	Textiles	OS	NON SSI

268	M.A.C.S. Textiles (P) Ltd.,	Kappalur	Textiles	OS	NON SSI
269	M/s Sathaiya Fabrics	Kappalur	Textiles	OS	NON SSI
270	Meenakshi Textile Mills	Kappalur	Textiles	OS	NON SSI
271	Niranchana Weaving	Kappalur	Textiles	OS	SSI
272	Oxforo Textiles	Kappalur	Textiles	OS	SSI
273	Priya Weavers	Kappalur	Textiles	OS	NON SSI
274	Punnagai Textiles	Kappalur	Textiles	OS	NON SSI
275	Rajkumar Textiles	Kappalur	Textiles	OS	SSI
276	Santhosh Weaves	Kappalur	Textiles	OS	NON SSI
277	Sathyas Fabrics	Kappalur	Textiles	OS	NON SSI
278	Senthil Fabrics	Kappalur	Textiles	OS	NON SSI
279	Shiny Textiles (P) Ltd.,	Kappalur	Textiles	OS	NON SSI
280	Sivakami Textiles	Kappalur	Textiles	OS	NON SSI
281	Sri Ahilandeswari Textiles	Kappalur	Textiles	OS	NON SSI
282	Sri Karpaga Vinayagar Textiles	Kappalur	Textiles	OS	NON SSI
283	Sri Maruthi Textiles	Kappalur	Textiles	OS	NON SSI
284	Sri Nagalakshmi Textile Mills (Madurai)Ltd.,	T.Kallupatti	Textiles	OS	NON SSI
285	Sri Neelambika Textiles (P) Ltd.,	Kappalur	Textiles	OS	NON SSI
286	Sri Padamavathy Srinivasa	Kappalur	Textiles	OS	NON SSI
287	Sri Vairam Textiles	Kappalur	Textiles	OS	SSI

288	Sri Venkatalakshmi Textiles	Kappalur	Textiles	OS	NON SSI
289	Subalakshmi Weaving	Kappalur	Textiles	OS	SSI
290	Sundaraja Sizing Mills	Kappalur	Textiles	OS	SSI
291	Suruthi Fabrics	Kappalur	Textiles	OS	NON SSI
292	Swathi Textiles	Kappalur	Textiles	OS	SSI
293	The Mona Textiles Ltd.,	Melakkottai	Textiles	OS	NON SSI
294	Thirumalai Textiles & Company	Kappalur	Textiles	OS	NON SSI
295	Visalakshi Power Looma (P) Ltd.,	Kappalur	Textiles	OS	SSI
296	ARC Retreading Company Thirumangalam, Sidco, Kappalur.	Kappalur	Tyre Retreading.	OS	
297	Chakra Retreads, Kappalur 94 –4 , Madurai Road, Thirumangalam.	Thirumangalam	Tyre Retreading.	OS	
298	Velankanni Waste Cotton Mill Alampatti Tirumangalam.	Kappalur	Waste cotton	OS	NON SSI
299	Chamundi Weavers Sidco, Kappalur.	Kappalur	Weaving	OS	
300	Vinayaga Blue Metal K. Vellakulam, Tirumangalam.	Kappalur	Weaving	OS	
301	Kuriya Brothers Thirumangalam.	Thirumangalam	Willow	OS	
302	Seethalakshmi Traders Sidco, Kappalur.	Kappalur	Willow	OS	
303	Velmurugan Blue Metals Thengai Patti, Tirumangalam.	Thirumangalam	Willow	OS	
304	Happy Wood (P) Ltd.,	Alampatti (Post)	Woods	OS	NON SSI

305	Jeyam Threads Sidco, Kappalur	Kappalur	Yarn Doubling	OS	
306	Teddy Exports Alampatti, Tirumangalam.	Thirumangalam	Yarn Doubling	OS	
307	Akmi Farms (P) Ltd.,	T.Kunnathur		OS	SSI
308	Cone Agencies	Kappalur		OS	NON SSI
309	EgamTraders	Kappalur		OS	NON SSI
310	Elim Exports (P) Ltd.,	Pudipatti		OS	NON SSI
311	Instilite (Machinary Divison) S.No.9/1A, Ramnad Road, Manalur.	Thirumangalam		RS	
312	Jebro Industries	Kappalur		RS	NON SSI
313	Karthic Enterprises	Kappalur		OS	NON SSI
314	Kumar Rice Mill	Chekkanoorani	Hulling	OS	SSI
315	KVP Exports (P) Ltd.,	Kappalur		OS	NON SSI
316	M.G. Industries	Kappalur		OS	NON SSI
317	Mrubi Productrs	Kappalur		RS	NON SSI
318	N.S.Farms (P) Ltd.,	Kappalur		RS	NON SSI
319	Nav amani Flexo	Kappalur		RS	NON SSI
320	Neyon Industries	Kappalur		RS	NON SSI
321	Punitha Industries	Kappalur		RS	SSI
322	S.K.S Industries	Kappalur		RS	SSI
323	SAR Company	Kappalur		OS	SSI

324	Seethakadai Teasing Factory Sidco, Kappalur.	Kappalur		OS	
325	Sri Lakshmi Diamond Die Works	Kappalur		RS	NON SSI
326	Sri Skthi engineering	Kappalur		RS	SSI
327	Sri Thee Enterprises	Kappalur		OS	NON SSI
328	Sri Venkateshwara Industries Thiumangalam.	Thirumangalam		OS	
329	Sun Shine Industries	Kappalur		RS	
330	Tekno Pack Inida Industries	Kappalur	Packing	OS	NON SSI
331	Vinayaga Industries	Kappalur		RS	NON SSI

NOTE:

DO - DANGROUS OPERATIONS

G - GREEN

O - ORANGE

R - RED

S - SMALL

M - MEDIUM

L - LARGE

ANNEXURE- V

GROUND WATER TEST RESULTS IN UTHRAGOSAMANGAIYAR SUB BASIN

Station code	General			Nutrients	Alkalinity		Hardness		Major Ions			Other In-Organics		Biol							
83134A	7.8	2100	1671	69	0	465	590	320	128.0	66	327.0	74	369	120	0	567		0.14		8.2	
83286	8.2	6850	4108	3	0	145	800	300	120	121	1150	133	2056	427	0	177		0.48		25	
26011	8.2	5690	3417	18	0	225	1000	200	80	194	690	325	1631	278	0	275		0.2		13.4	
26014	8	24300	14873	7	0	225	5250	2250	900	728	3450	180	8774	672	0	275		0.17		29.3	
26015	8.2	18350	11108	7	0	515	1700	100	40	388.0	3680	66	6168	420	0	628		0.52		54.9	
26016	8.2	8250	4855	2	0	350	750	50	20.0	170	1564	34	2411	432	0	427		0.88		35.1	
26018	8.2	9700	6103	13	0	295	1050	50	20	243	1840	55	3120	588	0	360		1.1		34.9	
83287A	8.4	1620	931	1	10	325	150	100	40	12	299	3	269	106	12	372		1.5		15	
26005	8.5	3500	1964	18	10	710	260	80	32	44	690	4	666	17	12	842		0.63		26.3	
26010	8.5	3900	3504	4	10	620	180	120	48	15	828	6	553	557	12	732		0.9		37.9	
83290A	8.2	8400	5072	61	0	355	1300	350	140	230	1403	29	2304	480	0	433		1.3		23.9	
831208	8.2	1040	586	1	0	230	170	100	40	17	166	7	149	60	0	281		0.31		7.8	
83291	8.2	7000	4273	8	0	390	1300	400	160	218	1081	39	1950	552	0	476		0.37		18.4	
83301A	8.3	1500	853	1	5	260	310	110	44	49	205	10	262	120	6	305		0.39		7.1	
26012	8	31500	18108	3	0	120	8500	2500	1000	1456	3450	20	9217	2880	0	146.0		0.33		23	
26020	8.2	3100	18432	18	0	250	8000	2000	800	1456	3680.0	39	8863	3360	0	305		0.41		25.3	
83272	8	1350	820	4	0	300	130	60	24	17	276	1	213	86	0	366.0		0.55		14.9	
83277	8	920	539	10	0	305	100	35	14	16	168	2	53	58	0	372.0		1.5		10.3	
26007	8.2	2270	1248	1	0	580	190	40	16	36	419	3	319	96	0	708		0.7		18.7	
26008	8	13900	8651	4	0	290	3000	2000	800	243	1955	2	4254	1200	0	354		0.57		21.9	
26009	8	10100	6609	3	0	430	4000	3000	1200	243	736	3	3191	9600	0	525		0.58		7.2	

ANNEXURE-V GROUND WATER SAMPLING STATIONS LOCATIONS

Sl. No	Station code No.	Location
1	83134A	Ramanathapuram
2	83286	Uthiragosamangai
3	26011	Thirupullani
4	26014	Tvmongai
5	26015	Palanjirai
6	26016	Nalankudi
7	26018	Ragunathapuram
8	83287A	Matiarendhal
9	26005	Bpkoil
10	26010	Mudhukulathur
11	83290A	Errvadi
12	831208	Sikkal
13	83291	Therkumukaiyur
14	83301A	Tmkotai
15	26012	Sayalkudi
16	26020	Edambadal
17	83272	Parthipanur
18	83277	Vairavanenthal
19	26007	Manjur
20	26008	Satrakudi
21	26009	S.V.Mangalam

Environmental Monitoring on water and soil quality and creating awareness & updating of "Environmental and Social Assessment report" for UTHIRAKOSAMANGAIYAR Sub basin .

Estimate Cost Rs 17.70 Lakhs

INTRODUCTION

Under TNWRCP, with World Bank assistance, special emphasis was given to WRO, to assess the environmental status and degradation caused for all River basins in Tamilnadu.

The Environmental cell of WRO assessed Soil and Water samples in this River basin. The assessment includes Environmental impact on the quality of surface, ground water and soil by collecting water & soil samples and testing them. Moreover, "preparation of Micro Level Environmental Status Reports" all the River Basins has also prepared. These works have been carried out with the World Bank Assistance upto March 2012

Also few Awareness programs & Workshops were conducted to create awareness on the Environmental issues & remedies among the public, farmers, Govt. officials and NGOs. Seminars were conducted to find out new techniques and methods developed recently to solve Environmental problems.

Now under IAMWARM project, focus is at each sub basin level to identify and prioritize the requirements for improvements to storage structures, rehabilitation, new schemes for water harvest, and diversification of crops. Any new schemes or rehabilitation of existing one, consideration of the environment issues pertaining to that area and remedial action to overcome the problems is must.

DESCRIPTION OF SUB BASIN

Gundar river basin is one of the major river basin in Tamilnadu with a drainage area of 5912 sq.km. Total length of the river from the origin is 150 km. The basin covers part of **Madurai, Sivagangai Virudhunagar**, part of **Dindugal, Ramanathapuram and Thoothukudi Districts.**

The Gundar basin diverted into nine sub basins. Among the nine sub basin Uttaragosamangaiyar is the one of the important sub basin. Uthirakosamangaiyar is a ephemeral river.

The sub basin is located on the north east side of **Gundar basin** which formed by the surplus courses of many tanks fed from Vaigai river and Ragunathacavery channel of

Gundar. It finally empties in **Gulf of Manner.** The sub basin area is **636.23 sq km**, it covers **Paramakudi, Muthukulathur**, **Kadaladi Ramanathapuram Taluks of Ramanathapuram District.**

ENVIRONMENTAL PROBLEMS IN THIS SUB BASIN

INDUSTRIAL POLLUTION

There are no major industries situated in this sub basin. Only small-scale industries are there in this sub Basin.The effluent discharge is minimum and meager**.** The details of Industries and their effluent discharge are given in Annexure-III.

However, the effluents discharged from the industries are closely monitored by TNPCB. Any further activity to minimize the effect of pollution on water bodies will be dealt by the TNPCB.

CATCHMENT DEGRADATION

No reservoirs are there in this sub basin. Soil erosion is there in the riverbeds of this sub basin. In respect of prevention of soil erosion, effective measures were taken up by the Agricultural Engineering Department. However Agricultural Engineering Department will give proposals to prevent further soil erosion. Other major environmental issues polluting Water resources pertaining this sub basin are listed below.

SOLID WASTE DISPOSAL

There is no organised scientific method of disposal in all the Municipalities, town and Village Panchayats. The garbage is dumped in the basin area and hence the harmful chemical substances of the landfill seep through and reach the ground water reservoirs and contaminate these sources.

Scheme for Solid waste Management plan is under implementation by Rural Development Department. Under this scheme, collection tank for disposable and undisposable garbage have been constructed. But in most of the panchayats, recycling the waste and converting the solid waste into manure and production of energy is yet to

come up. Hence motivating the local bodies for proper implementation of solid waste management project is must.

SEWAGE DISPOSAL LET INTO WATER BODIES

Treatment of sewage and arrangements for safe disposal arrangements has not been provided in most of the Villages. Underground drainage arrangements have not been provided even in municipalities and town panchayats. This sewage is washed away and got pounded in the backwaters and unhealthy conditions exit.

The locations of disposal of sewage directly let into water bodies in this sub basin are furnished in Annexure II.

So, creating awareness among the presidents of the local bodies is must and to motivate them to adapt Solid waste management and Sewage management, wherever required, workshop including field visits, exclusively for them is to be conducted under the IAMWARM project**.**

WATER WEEDS

"Prosopis Juliflora" plants are multi-stemmed shrubby bushes growing from 3m to 15m tall. *Prosopis Juliflora"* has been known to send its roots 10, 20 or even 30m to catch water. The roots lift water much higher than it can be lifted by capillary action of the soil. The draft on water supply is greatest during a long, hot growing season, with scanty precipitation and low humidity.

Prosopis Juliflora" has invaded the cultivable lands in **Uthirakosamangaiyar,** in the beds of almost all the tanks. Hence, these plants need to be eliminated totally for the conserving precious water resources. But on the contrary, in some villages local people desire to grow this plant in the water spread area of the tanks. Once in 4 or 5 years they get cutting order from the revenue authorities, sale the Juliflora or coal produced from it and keep the money for the common expenses like court case for the litigation with the nearby villages, temple repair and Local festivals etc. This is on account of lack of guidance and ignorance of its ill effects. Hence, this problem has to be addressed in all forms, wherever possible Bio gas plant has to be promoted.

In some of the Uthirakosamangaiyar sub-basin tank ipomoea cornea has invaded, which now has grown several weedy bushes. So it reduces the tank area and makes some environmental problems.

GROUND WATER QUALITY

From the chemical composition data for the observation wells, the ground water in the lower reaches of sedimentary formation is of moderate quality.

ACTIVITIES PROPOSED

To monitor the quality of water and soil and create database regarding the Environmental Status for each sub basin, this proposal has now been included with the following activities at sub basin level.

I. WATER AND SOIL QUALITY MONITORING, PROJECT WORKS MONITORING

So far, No Water samples were collected and tested in this sub basin. Now it is proposed to collect and test water samples at four points for a period of three years to assess the Environmental impact on the quality of surface water of this sub basin. Water samples at the following location will be collected once in 3 months

1. **UM.1 - Railway Bridge at kamuthakudi. (Right main canal)**
2. **UM.2 - Paramakudi to Mudukulattur Road at Ponniah puram (Right main canal)**
3. **UM.3 - Chatrakudi to Chemmanur Road bridge at Chatrakudi.**
4. **UM.4 -Regunatha Cauvery at LS 35 Km at Kilari village.**

In addition to the above, identified 4 locations, water samples will also be collected twice in a year for the period of 3 years near by wells, tanks channels where sewage is directly let into it to assess the quality.

Soil samples are to be collected –from selected locations to assess the impact of the quality of soil due to various environmental problems like use of chemical, fertilizers and using the polluted water. From the selected location five Nos. of soil samples at regular one year interval have to be collected and tested to determine preciously the impact on the degrading of the quality of the soil.

II. ENVIRONMENTAL AND SOCIAL KNOWLEDGE BASE

Micro Level Environmental Status Report has been prepared for the entire sub basin. To prepare an Environmental Action Plan of a River basin data regarding environmental issues in sub basin wise is necessary. Hence, provision for collecting the environmental and social issues in village wise and analysing them and preparing development report has also made in this proposal.

III. TRANSFER OF TECHNICAL KNOWS HOW FOR SOLID WASTE MANAGEMENT SYSTEM

Now, a new scheme for Solid Waste Management plan is under implementation in all Municipalities and major panchayats. Under this scheme, collection tank for disposable and non-disposable garbage have been constructed in most of the Panchayats. But, recycling the waste and converting the solid waste into manure and production of energy from them are yet to come up.

Hence Demonstration and action programs are planned with user agencies and necessary field visits exclusively for officials of local body and Panchayat presidents & members are programmed to transfer of Technical Know How for Solid Waste Management.

III. CONDUCTING AWARENESS PROGRAMS

Awareness Programs are necessary to create awareness among the public about Environmental aspects and the action to be taken by them to remove or reduce the impacts due to the Environmental problems. So far No awareness Programs were conducted in this basin.

Hence, to create and motivate the people, Awareness programmes are to be conducted in the villages where sewage is directly let into water bodies. It is proposed to conduct Awareness Meeting in School/ Institutions and Awareness programs in the villages during the study period of three years covering the following subjects. In addition to the above Placing Stickers, bit notice, Tin sheets, Pamphlets and Placing banner containing messages about, the following Environmental problems.

- **Sanitation.**
- **Solid waste treatment.**
- **Sewage treatment and converting the same into gas**
- **Organic farming.**
- **Conversion of aquatic weeds into manure etc**

As per the instructions of the environmental specialist Mr. Anupham Joshi, the following alterations are made in the proposal,

In addition to the above, pesticides test for water quality is added and test will be carried out for four locations for once in a year.

Moreover, it is proposed to conduct field visits for environmental monitoring of project activities with respect to environmental safe guards.

It is proposed to study the impact due to project investments and hence, provisions for" data collection and development reports" have now been added.

Provision for preparing environmental atlas is now inserted in the context of marking all environmental and social issues with consultations of stake holders, line departments and NGOS.

MODE OF EXECUTION

All the works proposed are to be carried out by outsourcing through an Educational Institute

TOTAL COST

The total cost works out to Rs: 17.70 Lakhs (Rupees Seventeen Lakhs and seventy thousand only)

Environmental Monitoring on Water and Soil quality and Creating Awareness , updating of " Environmental & Social assessment report" for UTHIRAKOSAMANGAIYAR SUB BASIN

DETAILED ESTIMATE

Sl no	Description of work	No	Measurement			Contents
			L	B	D	
I.Water, Soil Quality and project works Monitoring						
a)	Testing charges for Water samples 4x3X3=36					
	Water samples from Tanks and Wells collected once in Six Months 5x2x3=30					
	Testing Charges for Water samples	36+30				66 Nos
b)	Testing charges for Water samples (Pesticides) 4x1x3 = 12					12 Nos
c)	Testing charges for soil samples collected from polluted site	5 X 3				15 Nos
d)	Hiring Jeep driver	1No	6 Months per year X 2 year			12 Man months
e)	Conveyance, Purchases of Cans, Bottles, Chemicals hire Purchase of Still camera etc and Documentation of Water& Soil quality data, engaging labour etc.,	3 years	-	-	-	3 Years
f)	Provisions for field visits for environmental monitoring of project activities with respect to environmental safeguards	3 Years				3 Years
II Environmetal, Social Knowledge base						
a)	**Village Level Data Collection on Environmental and Social State regarding other Impacts**					50 Man months
b)	**Expert Analysis and Development Reporting on other impacts**	LS				LS

c)	**Impact Studies due to project Investements**		30 Man Months
d)	**Expert Analysis and Development Reporting due to project investments(After Project)**	LS	LS
III. Transfer of technical know how for solid waste & weed management			
a)	Motivating office bearers of local bodies for solid waste & Sewage treatment to prevent pollution of Water Sources through Demo, technical Visit.	LS	2 Nos
b)	Formation of Herbal Garden in Institutions	3 Nos	3 Nos
c)	Demonstration and consultative meeting for eradication of weed and making manure.	LS	2 Nos
IV. Environmental Social Awareness Creation			
a)	Propagation through Stickers, Tin Sheets, pamphlets,Banners	3 years	3 Years
b)	Awareness Programs for Public	3 Nos.	3 Nos.
c)	Awareness Meeting for Offcials	1 no / year / 3year	1 No
d	Awareness Meeting in school/Institutions	2 nos/year/3year	2 nos
e	Annual Workshop at Sub basin level	1 no/year/3year	2 nos
f)	Exposure Field Visit to Eco friendly practises	1 no	1no
g	Preparing and Publishing Environmental Atlas for the Sub Basin for the use of Line departments /Institutions for better Management of Sub basin	LS	LS
h	Environmental Related Books/Journal, Publishing Annual report for the Sub- basin	LS	LS
i	Documentation of the entire activities, and HirePurchase of LCD , Up gradation of Computer and Accessories, Video films and Web site development, engaging computer operator etc.,	LS	LS
IV.	**Variation in Rates and unforeseen items**	**LS**	**LS**

Environmental Monitoring on Water and Soil quality and Creating awareness, updating of " Environmental and Social Assessment report" for UTHIRAKOSAMANGAIYAR SUB-BASIN.

ABSTRACT ESTIMATE

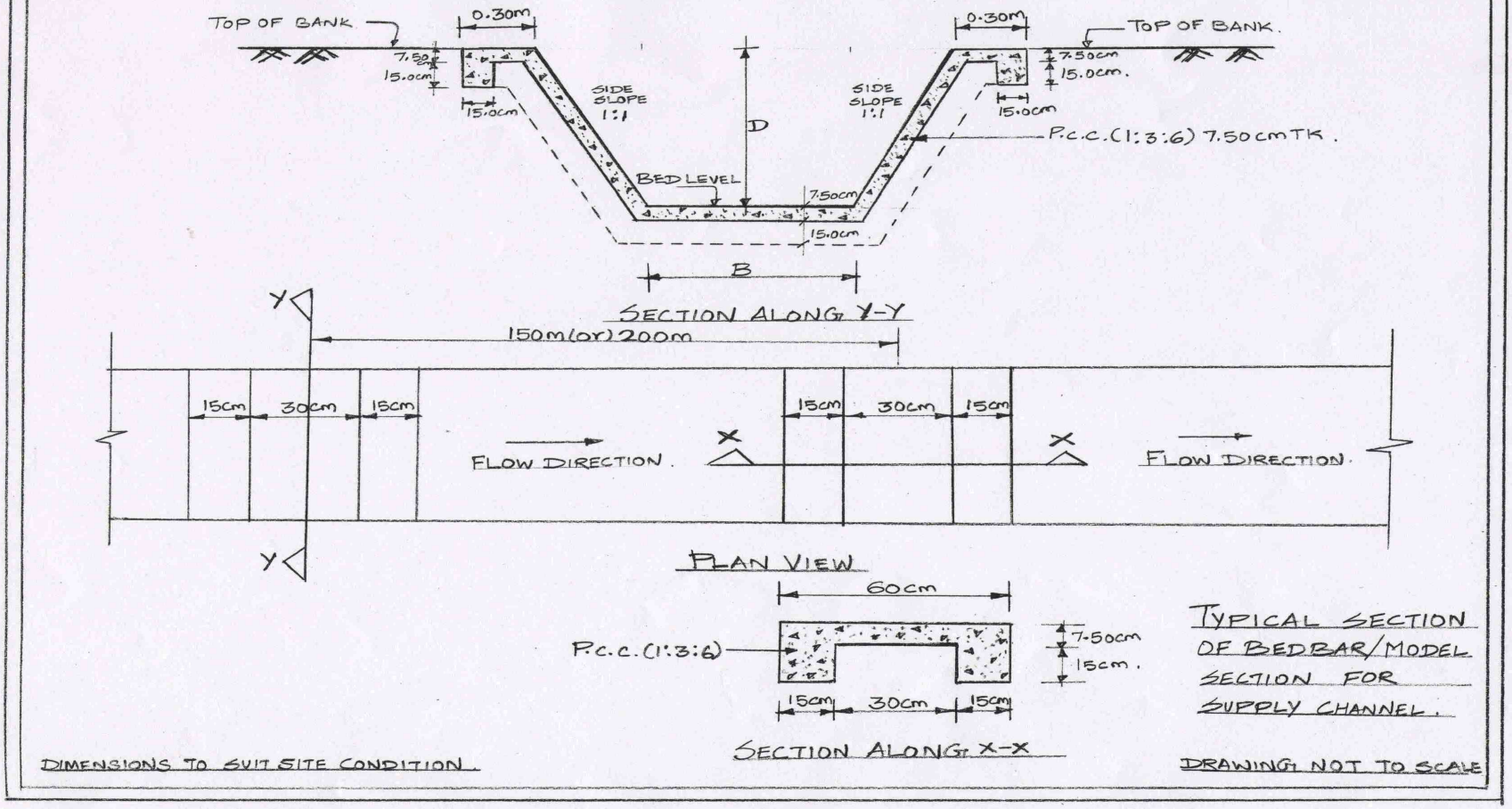
Sl.No.	Qty.	Description of Work	Rate	Per	Amount
I.Water, Soil Quality and project works Monitoring					
a)	66 Nos.	Testing charges for Water Samples	1400	each	92,400
b)	12 Nos	Testing charges for Water Samples(PESTISIDES)	12000	each	144,000
c)	15 Nos	Testing charges for Soil Samples	7350	L.S	110,250
d)	12 Man months	Hiring Jeep Driver	3500	1 Man month	42,000
e)	3 Years	Conveyance, Purchases like Cans,Bottles,Chemicals hire Purchase of camera etc and Documentation of Water and Soil quality data, including labour charges, etc.,	15000	year	45,000
f)	3 Years	Provisions for field visits for environmental monitoring of project activities with respect to environmental safeguards	15000	Year	45,000
II.Environmental, Social Knowledge Base, Analysis and Development base					
a)	50 Man months	**Village Level Data Collection on Environmental and Social State regarding other Impacts**	6000	month	300,000
b)	L.S	**Expert Analysis and Development Reporting on other impacts**	L.S	L.S	40,000
c)	30 Man months	**Impact Studies due to project Investements**	6000	month	180,000

d)	L.S	**Expert Analysis and Development Reporting due to project investments(After Project)**	L.S	L.S	40,000
III. Transfer of technical know how for solid waste & weed management					
a	2 Nos.	Motivating office bearers of local bodies for solid waste & Sewage treatment to prevent pollution of Water Sources through Demo, technical Visit.	20,000	each	40,000
b)	3 Nos	Herbal Gardens in Institutions	25000	each	75,000
c)	2 Nos	Demonstration and consultative meeting for eradication of weed and making manure.	20000	each	40,000
IV. Environmental Social Awareness Creation					
a)	3 Years	Propagation through stickers, Tin Sheets, pamphlets, banners.	30000	year	90000
b)	3 Nos	Awareness Program for Public	20000	each	60000
c)	1 No	Awareness Meetings for Official	20000	each	20000
d)	2 Nos	Awareness Meetings in School/ Institution	15000	each	30,000
e	2nos	Annual Workshop at Sub basin level	100000	each	200,000
f	1Nos	Exposure Field Visit to Eco friendly practises	25000	each	25,000
g)	LS	Preparing and Publishing Environmental Atlas for the Sub Basin for the use of Line departments /Institutions for better Management of Sub basin	LS	LS	100,000
h)	3Year	Environmental Related Books/Journal, Publishing Annual report for the Sub-basin	2000	Year	6,000

i)	LS	Documentation of the entire activities, hire purchase of LCD and Up gradation of Computer and Accessories, Video films and Web site development , engaging computer operatoretc.,	L.S	37,200
IV.Variation in rates and unforeseen items.				**8,150**
	Total			**1,770,000**

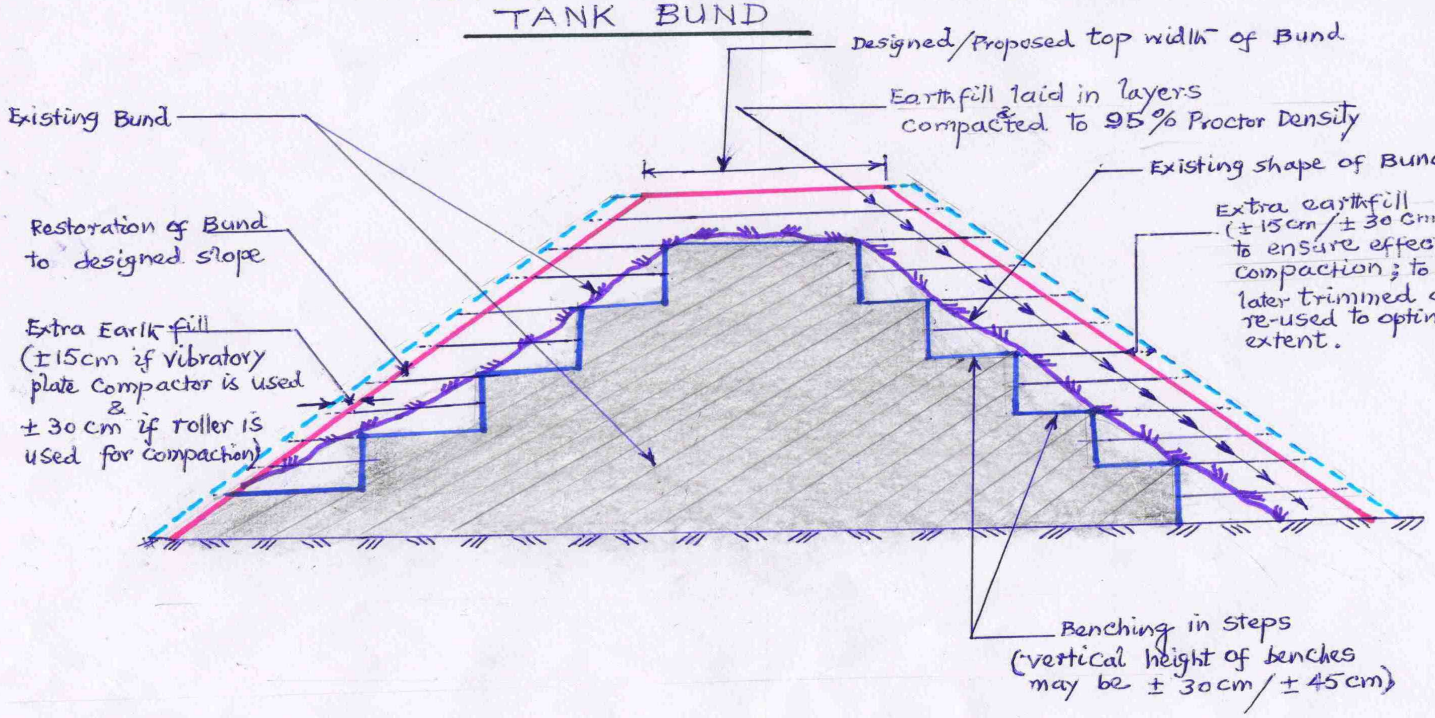
Rupees Seventeen Lakhs seventy thousand only

DESIGN AND DRAWING

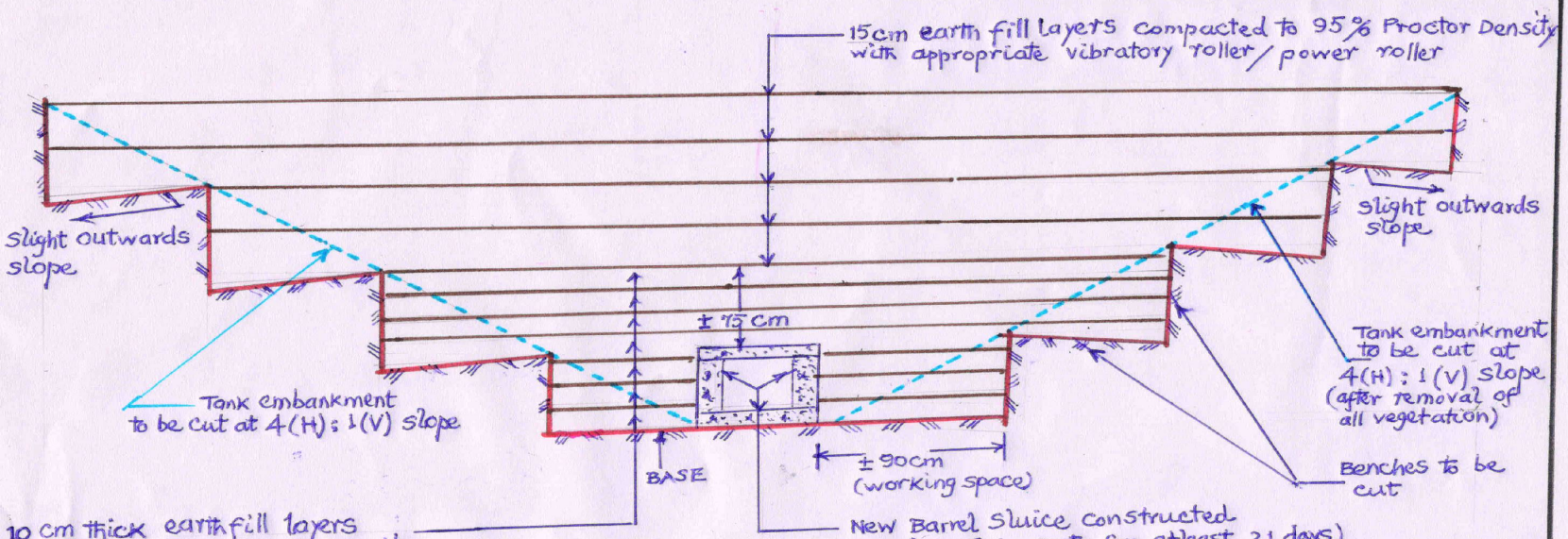

TOP OF BANK
0.30m
7.50cm
15.0cm
15.0cm
SIDE SLOPE 1:1
D
BED LEVEL
7.50cm
15.0cm
B
SIDE SLOPE 1:1
0.30m
TOP OF BANK.
7.50cm
15.0cm.
15.0cm
P.C.C.(1:3:6) 7.50cm TK.
SECTION ALONG Y-Y
Y
150m(or)200m
15cm
30cm
15cm
FLOW DIRECTION.
X
X
FLOW DIRECTION.
Y
PLAN VIEW
60cm
P.C.C.(1:3:6)
7.50cm
15cm.
15cm
30cm
15cm
SECTION ALONG X-X
TYPICAL SECTION OF BEDBAR/MODEL SECTION FOR SUPPLY CHANNEL.
DIMENSIONS TO SUIT SITE CONDITION.
DRAWING NOT TO SCALE

TYPICAL SKETCH

RAISING & STRENGTHENING OF TANK BUND



TYPICAL SKETCH



RECONSTRUCTION OF SLUICES

NOTES

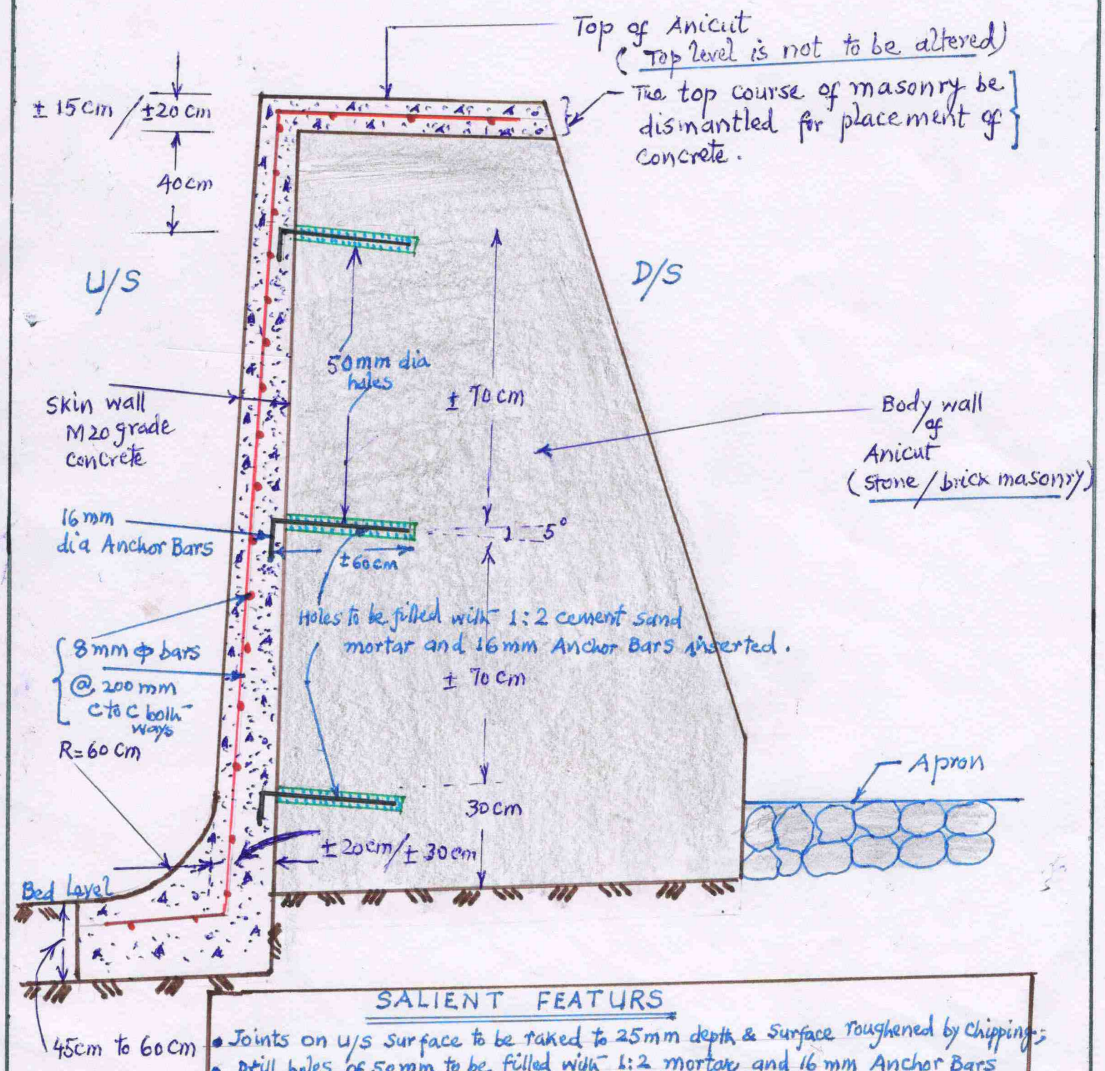
(i) The Base MUST be made smooth & hard, duly compacted with compactors / pneumatic tampers.

(ii) Earth fill compaction adjoining the Barrel and Benches should be compacted by mechanical / pneumatic tampers to ensure effective compaction.

(iii) Earth obtained from "benching" be reused (after removal of clods (bigger than 7.5 cm), vegetation etc) in earthfill layers.

TYPICAL SKETCH

Rehabilitation of Anicut through SKIN WALL Concrete



SALIENT FEATURS

- Joints on u/s surface to be raked to 25mm depth & Surface roughened by Chipping;
- Drill holes of 50mm to be filled with 1:2 mortar and 16 mm Anchor Bars to be pushed in
- The roughened surface to be kept wet for 72 hours and cement slurry (1:2·5) of 0.70 water-cement ratio be applied over the surface prior to placement of Skin Concrete.
- Concrete of M20 Grade is to be used with 20 mm maximum aggregate Size.
- Curing is to be done for 21 days.
- Thickness of Skin Concrete: 15cm at top & 20cm at bottom for Anicuts of height upto ± 1.50 m and 20 cm at top & 30 cm at bottom for Anicuts of height more than ± 1.50m.