GOVERNMENT OF TAMIL NADU

PUBLIC WORKS DEPARTMENT

WATER RESOURCES ORGANISATION

KOSASTHALIYAR SUB BASIN

REVISED

DETAILED PROJECT REPORT

Estimate Amount Rs.7669.37 lakh

TN – IAMWARM PROJECT

CHENNAI REGION, CHENNAI.5.

WATER RESOURCES ORGANISATION

TN IAMWARM PROJECT

KOSASTHALAIYAR SUB BASIN

INDEX

CHAPTER I

INTRODUCTION

KOSASTHALAIYAR SUB BASIN
AN OVERVIEW

1.1 GENERAL:

Agriculture is the dominant sector in the Indian economy. Tamil Nadu depends largely on the surface water irrigation as well as ground water irrigation. The state has used the surface and ground water potentials to the maximum limit and hence the future development and expansion depends only on the efficient and economical use of water potential and resources.

1.2 Description of the Kosasthalaiyar Basin:

Kosasthalaiyar Sub basin lies almost at the centre of Chennai sub Basin and in between Araniyar Sub Basin and Cooum Sub basin. Kosasthalaiyar River originates from the surplus weir of Kaveripakkam Tank which is one of the Irrigation Tank fed by Palar Anicut in Vellore District and the river flows in North East Direction. The Kosasthalaiyar river is intercepted by Poondi Reservoir which in one of the Major Drinking water source to Chennai and three Anicuts called 1. Kesavaram Anicut in Upstream of Poondi Reservoir 2) Thamaraipakkam Anicut and 3) Vallur Anicut at the down stream of Poondi Anicut. The Kosasthalaiyar river finally empties into the Bay of Bengal near Ennore Creek.

The taluks covered in this Sub basin are 1) Walajah, Arakkonam Taluk of Vellore District 2) Tiruttani, Tiruvellore, Uthukottai, Ambattur, Ponneri of Thiruvallur District.

There are 4 anicuts across Kosasthalaiyar. Nagari river and Nandhi river are the two tributaries of Kosasthalaiyar river. The total length of the river is 135KM inclusive of tributaries and total area of Sub basin is 32.40 sq km.

3. SOIL TYPE AND CROPS GROWN :

The soil types found in this sub basin are clayey, Black cotton soil, and red soil.

Crops grown in this sub basin area are coconut, sugar cane, Banana, Amla and Mango as annual crops, besides paddy grown during first season and cotton, vegetables, pulses etc, as second season crops.

4. WATER POTENTIAL

Surface water potential	306.03 m.cum.
Ground Water potential	565.81 m cum.
Total Water potential	871.84 m. cum.

5. WATER USERS ASSOCIATION (WUA).,

150 New WUAs are proposed covering an area of 35256.26 Ha. in both the Districts (i.e Vellore and Thiruvallur).

5.1. Stakeholders Consultations

In order to improve the system efficiency and productivity of irrigated agriculture, a multi disciplinary approach involving the following departments is envisaged.

i. Water Resoruces Organisation (WRO)
ii. Department of Agriculture
iii. Department of Horticulture and plantation crops.
iv. Agriculture Engineering Department (AED)
v. Tamil nadu Agricultural University (TNAU)
vi. Department of Agricultural Marketing and Agribusiness
vii. Department of Animal Husbandry and Veterinary Services.
viii. Fisheries Department

WRO Officials with the officials of the above Line Departments have conducted meetings with the stakeholders in the sub basin and also had "Joint Walkthrough Surveys" and the following table shows the constraints and countermeasures, which emerged during these consultations.

5.2 OVER VIEW

Components	Constraints	Counter Measures
	(i) Ineffective headwork, distribution systems.	(i) Proposed to have topographic survey (ii) Redesigning of the system to be done.
	(ii) Insufficient water ways, damaged bunds requiring revetment and lining etc.,	(i) Redesigning to be done and wherever necessary protection work river / canal lining works are proposed.

	(iii) Problems like leakage through shutter and sluices regulating arrangements	Damaged shutters are proposed to be replaced.
	(iv) The Tank feeder canals and tanks are silted up and distribution system is in repair.	(i) A holistic approach to be adopted to improve their bunds and desilting to the minimum extent required to harvest rainwater.
		(ii) WUAs are to be formed and further maintenance would be done with their involvement. (iii) Surplus weirs, tank sluice, are to be improved etc., (iv) The rehabilitation of distribution system networks is also proposed.
Agriculture	Traditional practices and old cropping pattern being adopted	(i) Productivity linked Demonstration by TNAU and by Agriculture Department. (ii) Capacity Building of farmers and officials is proposed. (iii) Extension of new Agricultural technology on application of optimum fertilizers, IPM measures are proposed through Agriculture, Horticulture Departments and TNAU Departments. (iv) Supply of quality seeds to be ensured.
Agriculture Marketing, Horticulture Agricultural Engineering	(i) Farmers failed to adopt new technologies, and diversification mainly due to absence of correct market information. (ii) For diversification of crops proper extension advice is available. (iii) Modern technologies like micro irrigation, are costly and require lot of frequent training etc., (iv) The value addition technologies observed are absent.	(i) Agri. Marketing Department and TNAU to assess the market trend and advise the WUA through Agribusiness Cell, Kiosks & Discussion meeting. (ii) For value addition to products, grading arrangements, threshing floor, cold storages etc., are proposed. (iii) The possibility of making WUA as entrepreneurs of Agri-processing units are to be explored. (iv) Depending on the marketability and Agro-climatic suitability, appropriate Horticulture crops are proposed and the extent of Development is also proposed in consultation with the WUA. (v) Depending on the Horticulture crops proposed, AED proposes to link installation of micro irrigation system with credit network.
Animal Husbandry and Fisheries	(i) Livestock population need health improvement schemes (ii) Quality Fodder is needed. (iii) Infrastructure development in existing Veterinary sub centres is	

	needed. (iv) In service training to veterinarians are needed. v) Good fish fingerlings are required to promote inland fishery through farm ponds in the farmers' lands.	

6. DETAILS OF ACTIVITIES OF LINE DEPARTMENT.

6.1 WATER RESOURCES ORGANISATION (WRO).

6.1.1 Approach

To rehabilitate the irrigation system and service delivery.

a) Thematic Maps on land use, soils, crops water bodies, and other agricultural and demographic attributes are prepared by IWS.

b) The crop Water requirement for the corps without and with Project situation are prepared by IWS. The crops proposed by Agriculture and Horitculture Departments will be tailored in consultation with Agricultural Marketing Department.

c) The adequacy and status of the canal system, feeder channels to tanks, distribution system etc., have been assessed by the WRO (Both regional and Plan Formulation wing) and provisions made are as follows:

- Training the River (In exceptional cases) by removing the shoals accumulated in the U/S and D/S of the Anicuts and evicting the encroachment by earthwork excavation using machineries.
- Desilting the Supply channels and surplus courses by earthwork excavation using machineries.
- Providing revetments and retaining walls in selective area of the supply channels.
- Providing Model Sections to maintain the bed level and inner slopes of the supply channels.
- Providing steps in the Supply channels for easy approach to the fields by the farmers wherever necessary.
- Strengthening the tank bund by de-silting the tank using machineries.
- Spreading gravel on top of bund for conveying manures and fertilizers to the field, by vehicles.
- Turfing on the entire length and downstream slope of all tank bunds to prevent erosion of earth fill during rains.
- Reconstruction of Collapsed weirs.
- Repairs to the damaged weirs.
- Re-constructions of Collapsed Sluices.
- Repairs to the damaged sluices.
- Lining the field channel for a minimum 50m length down stream side of sluice. Using M15 for sides walls.

There will be substantial improvement in storage capacity and conveyance efficiency which facilitates raising of high value and less water intensive crops as second crop over a considerable area.

6.1.2 TANK COMPONENTS:

The practice of tank irrigation has been prevalent for time immemorial Tanks help to store water for lean season and have played a significant role in the irrigation sector. They not only provide a source for irrigation but also help in recharging ground water under suitable conditions. There are 91 No. of System Tanks and 203 Nos. of Non System Tanks in Vellore and Thiruvallur Districts. The command Area is 35256.26 Ha. of which 294 tanks are in urgent need of repairs and rehabilitation. The irrigation

potential of these tanks has declined with siltation, poor maintenance of sluices, bund erosion and failure of the distribution system.

Apart from this, provisions have been made for environmental issues to be addressed and for ground water recharging structures.

6.1.3. EXPECTED OUTCOME.

The indicators for evaluating the performance of WRO are as follows:

- The conveyance efficiency is expected to be improved from the present 43% to 53%.
- The present gap area of 13669.49 Ha. will be bridged totally in the project and the ayacut stablished.
- Rehabilitation / Reconstruction of irrigation infrastructures.

Besides this, the WRO is actively engaged in formation of WUAs as per TNFMIS Act 2000 and Rules by preparing the relevant documents such as maps showing the hydraulic boundary of WUA, land owners voters list etc., To help in the above collection of data involving social and field activities, it is proposed to enlist the services of NGOs, Agricultural Extension Officers, SHGs Support Organisations etc., It is estimated that about 150 WUA shall have to be formed in this sub basin.

6.2. Department of Agriculture

The approach to enhance Agriculture production will be as follows:

6.2.1 Approaches

- ☞ Diversification of low profit high water requirement crops (paddy) to high profit, low water requirement crops, especially to commercial crops.
- ☞ Gap area coverage with suitable irrigated crops.
- ☞ Transfer of latest production technologies to increase the productivity through.

  - Demonstrations and crop coverage.
  - Distribution of critical inputs in time.
  - Extension and Frequent field visits.
  - Training to farmers and field staff.
  - Strengthening information and publicity activities.
  - Exposure visits.
  - Constant follow up and feedback.
  - Documentation of reports on achievements made.

PUBLIC WORKS DEPARTMENT
KOSASTHALAIYAR SUB BASIN
PACKAGE DETAILS

S.No.	Package Details	Description of work	Amount in lakhs
1	2	3	4
1	Package.1	Rehabilitation and Modernisation of tanks, and supply channels of Kosasthalaiyar Sub Basin in Kaveripakkam, Nemili, Walaja and Sholingur Block of Arakkonam and Walaja Taluk in Vellore District.	415.18
2	Package.2	Rehabilitation and Modernisation of tanks, and supply channels of Kosasthalaiyar Sub Basin in Kaveripakkam, Nemili, Walaja and Sholingur Block of Arakkonam and Walaja Taluk in Vellore District.	403.45
3	Package.3	Rehabilitation and Modernisation of tanks, kondams, supply and surplus channels of Kaveripakkam block in Arakkonam Taluk of Vellore District.	601.10
4	Package.4	Rehabilitation and Modernisation of tanks, kondams and supply channels in Kaveripakkam surplus channel of Kosasthalaiyar sub basin in Nemili block of Arakonam Taluk in Vellore District.	585.33
5	Package.5	Rehabilitation and Modernisation of tanks, kondams, and supply channels in Kaveripakkam surplus cannel of Nemili and Kaveripakkam block of Arakkonam Taluk of Vellore District.	346.52
6	Package.6	Rehabilitation and Modernisation of tanks kondams and supply channels in Kaveripakkam surplus channel of Kosasthalaiyar sub basin in Nemili block of Arakkonam, Taluk in Vellore District.	566.95
7	Package.7	Rehabilitation and Modernisation of tanks kondams and supply channels Kaveripakkam surplus channels of Kosasthalaiyar sub basin in Nemili bvlock of Arakkonam Taluk in Vellore District.	616.47
8	Package.8	Rehabilitation non system tanks of Thiruvalangadu Block in Thiruvallur District.	393.04
9	Package.9	Rehabilitation of non systems tanks in Poondi and Thiruvallur Block in Thiruvallur District.	388.16
10	Package.10	Rehabilitation of non systems tanks in Thiruvallur Block in Thiruvallur District.	380.74

11	Package.11	Rehabilitation of non systems tanks in Poondi and Ellapuram Block in Thiruvallur District.	375.66
12	Package.12	Rehabilitation of non systems tanks in Thiruvallur Block and Uthukottai Block in Thiruvallur District.	300.47
13	Package.13	Rehabilitation of non systems tanks in Thiruvallur Block in Thiruvallur District.	355.40
14	Package.14	Rehabilitation and modernisation of tanks in Poondi and Ellapuram Block of Uthukottai Taluk in Thiruvallur District.	261.56
15	Package.15	Rehabilitation of non system tank in Villivakkam block in Thiruvallur District.	407.61
16	Package.16	Rehabilitation of non systems tank in Villivakkam, Ponneri Cholavaram and Minjur block in Thiruvallur District.	384.93
17	Package.17	Rehabilitation and modernisation of tanks in Ellapuram and Minjur Block in Thiruvallur District.	336.97
18	Package.18	Rehabilitation and modernisation of tanks in Minjur Block of Ponneri Taluk in Thiruvallur District.	524.63
		Environental Cell	25.20
		Total	**7669.37**

CLUSTER WISE / INFRASTRUCTURE WISE / VILLAGE WISE CONVERGENT TABLE

Sl.No	Name of the cluster/ Infrastructure/ Village	Total Ayacut (Ha)			Total Area (Ha)			Total ayacut	WRO		Agriculture		TNAU		Horticulture		Agri marketing		AED		Fisheries		Animal Husbandry	
		FI	PI	Gap	Wop	WP	Gap		Activities	Nos	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha
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
	CLUSTER NO .1																							
1	Maruderi tank	13.01	17.35	12.57	30.36	41.16	1.77	42.93	Bund	747 m														
									Sluice Repair	2 Nos														
									Weir Repair	2 Nos														
									Supply channel	1100 m														
2	Sumaithangi tank	19.76	26.36	19.09	46.12	62.52	2.69	65.21	Bund	1813 m														
									Sluice Repair	3 Nos														
									Weir Repair	2 Nos														
									Supply channel	2500 m														
3	Jaderi	33.01	44.04	31.90	77.05	104.46	4.49	108.95	Bund	1859 m														
									Sluice Recons.	3 No														
									Sluice Repair	1 No														
									Weir Repair	1 No														
									Supply channel	1100 m														
4	Bagaveli tank	12.76	17.03	12.33	29.79	40.38	1.74	42.12	Bund	1859 m														
									Sluice Repair	2 Nos														
									Weir Repair	1 No														
									Supply channel	1300 m														
5	Valluvampakkam tank	29.08	38.80	28.11	67.88	92.03	3.96	95.99	Bund	1828 m														
									Sluice Recons.	2 Nos														
									Sluice Repair	2 Nos														
									Weir Repair	2 Nos														
									Supply channel	1200 m														
6	Ponnappanthangal tank	17.91	23.90	17.31	41.82	56.69	2.44	59.13	Bund	2499 m														
									Sluice Recons.	3 Nos														
									Sluice Repair	1 No														
									Weir Repair	1 No														
									Supply channel	1500 m														

7	Vangur Nagaleri tank	3.93	5.24	3.79	9.17	12.43	0.53	12.96	Bund	853 m															
									Sluice Recons.	1 No															
									Weir Repair	1 No															
									Supply channel	1100 M															
8	Govindacheri tank	61.47	5.24	136.20	66.71	194.54	8.37	202.91	Bund	2956 m															
									Weir Repair	1 No															
									Supply channel	2500 m															
9	Govindacherikuppam tank	21.22	5.24	43.59	26.46	67.16	2.89	70.05	Bund	690 m															
									Weir Repair	1 No															
									Supply channel	1200 m															
10	Musiri tank	20.67	27.58	19.98	48.26	65.43	2.81	68.24	Bund	540 m															
									Sluice Recons.	2 Nos															
									Weir Repair	1 No															
									Supply channel	3000 m															
	Total	**232.83**	**210.78**	**339.09**	**443.60**	**736.79**	**31.70**	**768.49**	Bund	16350m															
	Cluster.II								Sluice reconstn	15 Nos															
									Sluice repairs	10 Nos															
									Weir repairs	15 Nos															
									Supply channel	18000m															
11	Mangalam big tank	37.30	49.77	36.05	87.07	118.04	5.08	123.12	Bund	1210 m															
									Sluice Repair	3 Nos															
									Weir Repair	2 Nos															
									Supply channel	1100 m															
12	Mangalam chitteri	4.05	5.40	3.92	9.45	12.82	0.55	13.37	Bund	1112 m															
									Sluice Recons.	1 No															
									Sluice Repair	1 No															
									Weir Repair	1 No															
									Supply channel	1200 m															
13	Kilveeranam tank	17.06	22.76	16.49	39.81	53.98	2.32	56.30	Bund	1115 m															
									Sluice Repair	2 Nos															
									Weir Repair	1 No															
									Supply channel	1100 m															

14	Kilveeranamthangal tank	10.37	13.84	10.02	24.21	32.82	1.41	34.23	Bund	1567 m															
									Sluice Recons.	2 Nos															
									Sluice Repair	1 No															
									Weir Repair	1 No															
									Supply channel	1200 m															
15	Suriyakulam tank	7.73	10.32	7.47	18.05	24.47	1.05	25.52	Bund	571 m															
									Sluice Recons.	1 No															
									Sluice Repair	1 No															
									Weir Repair	1 No															
									Supply channel	1100 m															
16	Vedanthangal tank	10.06	13.42	9.72	23.49	31.84	1.37	33.21	Bund	1480 m															
									Sluice Recons.	2 Nos															
									Weir Repair	1 No															
									Supply channel	2000 m															
17	Banavaram tank	31.18	41.59	30.10	72.77	98.63	4.24	102.87	Bund	762m															
									Sluice Recons.	-															
									Weir Repair	2 Nos															
									Supply channel	3000m															
18	Karnavoor tank	28.73	38.32	27.72	67.05	90.86	3.91	94.77	Bund	1417m															
									Sluice Recons.	1 No															
									Sluice Repair	2 Nos															
									Weir Repair	2 Nos															
									Supply channel	1500m															
	Total	**146.48**	**195.41**	**141.49**	**341.90**	**463.45**	**19.94**	**483.39**	Bund	9234m															
									Sluice reconstruction	6 Nos															
									Sluice repairs	11 Nos															
									Weir repairs	11 Nos															
									Supply channel	12200m															
	CLUSTER NO .3																								
19	Mahendravadi tank	52.65	70.25	50.89	122.90	166.62	7.17	173.79	Bund	2135 m															
									Sluice Repair	31 Nos															
									Weir Repair	2 Nos															
									Supply channel	5000 m															

20	Irulan Odai tank	0.28	0.38	0.27	0.66	0.89	0.04	0.93	Bund	603 m													
									Sluice Repair	1 No													
									Weir Repair	1 No													
									Supply channel	500 m													
21	Meenakshithangal tank	0.62	1.42		2.03	1.95	0.08	2.03	Bund	865 m													
									Supply channel	700 m													
22	Balakrishnapuram tank	7.49	9.99	7.23	17.47	23.69	1.02	24.71	Bund	1348 m													
									Sluice Recons.	1 No													
									Weir Repair	1 No													
									Supply channel	2000 m													
23	Kattupakkam Paleri	6.50	8.68	6.28	15.18	20.58	0.89	21.47	Bund	1262 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Supply channel	1300 m													
24	Munipillaithangal tank	2.21	2.95	2.13	5.16	6.99	0.30	7.29	Bund	332 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Supply channel	800 m													
25	Meleri	15.83	21.12	15.30	36.95	50.09	2.16	52.25	Bund	1066 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Supply channel	2500 m													
26	Velithangipuram tank	19.27	25.70	18.62	44.97	60.97	2.62	63.59	Bund	1255 m													
									Sluice Recons.	1 No													
									Sluice Repair	2 Nos													
									Weir Repair	2 Nos													
									Supply channel	2200 m													

27	Arasankuppam tank	19.02	25.38	18.38	44.40	60.19	2.59	62.78	Bund	1762 m														
									Sluice Repair	1 No														
									Weir Repair	1 No														
									Supply channel	2500 m														
28	Nariyanthangal tank	15.95	5.24	31.46	21.19	50.48	2.17	52.65	Bund	1005 m														
									Sluice Repair	1 No														
									Supply channel	2200 m														
29	Maliyamedu tank	9.70	12.94	9.36	22.64	30.68	1.32	32.00	Bund	774m														
									Sluice Repair	1 No														
									Weir Repair	1 No														
									Supply channel	1200m														
30	Kattupakkam big tank	22.66	30.23	21.90	52.88	71.70	3.08	74.78	Bund	884 m														
									Sluice Recons.	1 No														
									Sluice Repair	2 Nos														
									Weir Repair	1 No														
									Supply channel	3000 m														
	Total	**172.17**	**214.26**	**181.84**	**386.43**	**544.83**	**23.44**	**568.27**	Bund	13291m														
									Sluice reconstruction	7 Nos														
									Sluice repairs	41 Nos														
									Weir repairs	9 Nos														
									Supply channel	23900m														
	CLUSTER NO .4																							
31	Kaveripakkam tank	797.77	1291.44	569.79	2089.21	2548.89	109.53	2659	Bund	6000 m														
									Sluice Repair	14 Nos														
									Weir Repair	2 Nos														
									Supply channel	6000 m														
									Kondam repairs	3 Nos														
	Total	**797.77**	**1291.44**	**569.79**	**2089.21**	**2548.89**	**109.53**	**2659.00**	Bund	6000 m														
									Sluice Repairs	14 Nos														
									Weir repairs	2 Nos														

									Supply channel	6000 m															
									Kondam repairs	3 Nos															
	CLUSTER NO .5																								
32	Alapakkam tank	16.07	21.44	15.53	37.52	50.86	2.19	53.05	Bund	1300 m															
									Sluice Recons.	1 No															
									Sluice Repair	2 Nos															
									Weir Repair	1 No															
									Supply channel	1500 m															
33	Sathuvanatham tank	21.19	28.27	20.48	49.46	67.06	2.89	69.94	Bund	734 m															
									Sluice Recons.	1 No															
									Weir Repair	1 No															
									Supply channel	1800 m															
34	Pudupattu big tank	6.14	8.19	5.93	14.32	19.41	0.84	20.25	Bund	824 m															
									Sluice Repair	2 Nos															
									Weir Repair	1 No															
									Supply channel	4000 m															
35	Pudupattuthangal tank	21.72	5.24	44.73	26.96	68.73	2.96	71.69	Bund	625 m															
									Supply channel	5000 m															
36	Upparanthangal	4.30	5.73	4.15	10.03	13.60	0.58	14.18	Bund	560m															
									Sluice Recons	2 Nos															
									Sluice Repairs	1 No															
									Weir Repair	1 No															
									Supply channel	1700m															

37	Gangadaranallur tank	12.27	16.37	11.86	28.64	38.83	1.67	40.50	Bund	1127 m																					
									Sluice Recons.	1 No																					
									Sluice Repair	1 No																					
									Weir Repair	1 No																					
									Supply channel	2200 m																					
38	Pudur tank	40.15	53.55	38.74	93.70	126.98	5.46	132.44	Bund	1720m																					
									Sluice Recons.	1 No																					
									Sluice Repair	2 Nos																					
									Weir Repair	1 No																					
									Supply channel	2500m																					
39	Panniyur tank	29.08	38.80	28.11	67.88	92.03	3.96	95.99	Bund	850 m																					
									Sluice Recons.	1 No																					
									Sluice Repair	2 Nos																					
									Weir Repair	1 No																					
									Supply channel	1500 m																					
	Total	**150.92**	**177.59**	**169.53**	**328.51**	**477.51**	**20.54**	**498.04**	Bund	7740m																					
									Sluice reconstn	7 Nos																					
									Sluice repairs	11 Nos																					
									Weir repairs	7 Nos																					
									Supply channel	20200m																					
	CLUSTER NO .6																														

40	Kilveethi chitteri	44.89	59.89	43.39	104.78	142.06	6.11	148.17	Bund	1100 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Weir Repair	1 No													
									Supply channel	1200 m													
									Kondam repairs	1 No													
41	Kilveethi big tank	53.72	71.67	51.92	125.40	170.01	7.31	177.32	Bund	2250 m													
									Sluice Recons.	1 No													
									Sluice Repair	2 Nos													
									Weir Repair	2 Nos													
									Supply channel	1800 m													
42	Peraperi tank	19.99	26.67	19.32	46.67	63.27	2.72	65.99	Bund	3500 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Weir Repair	1 No													
									Supply channel	5500 m													
43	Thuraiyur tank	23.19	30.93	22.41	54.12	73.37	3.16	76.53	Bund	1188 m													
									Sluice Recons.	1 No													
									Sluice Repair	2 Nos													
									Weir Repair	1 No													
									Supply channel	1500 m													
44	Uliyanallur tank	70.79	94.45	68.42	165.24	224.02	9.64	233.66	Bund	1676 m													
									Sluice Recons.	1 No													
									Sluice Repair	2 Nos													
									Weir Repair	2 Nos													
									Supply channel	3000 m													
45	Konthankarai tank	13.13	17.51	12.69	30.64	41.54	1.79	43.33	Bund	1158 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Weir Repair	1 No													
									Supply channel	800 m													

46	Vepperi chitteri	3.80	5.06	3.67	8.86	12.01	0.52	12.53	Bund	488 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Weir Repair	1 No													
									Supply channel	1400 m													
47	Vepperi big tank	16.09	21.47	15.55	37.56	50.92	2.19	53.11	Bund	1768 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Weir Repair	1 No													
									Supply channel	800 m													
48	Nemili tank	29.68	5.24	63.05	34.92	93.93	4.04	97.97	Bund	1341 m													
									Sluice Recons.	2 Nos													
									Supply channel	1500 m													
49	Kariyakudal tank	22.40	29.88	21.65	52.27	70.87	3.05	73.92	Bund	1300 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Weir Repair	1 No													
									Supply channel	2200 m													
	Total	**297.67**	**362.79**	**322.07**	**660.46**	**942.00**	**40.53**	**982.53**	Bund	13810m													
									Sluice reconstruction	10 Nos													
									Sluice repairs	13 Nos													
									Weir repairs	11 Nos													
									Supply channel	25300m													
									Kondam repairs	1 No													
	CLUSTER NO .7																						
50	Thenmampakkam tank	27.68	36.92	26.75	64.60	87.58	3.77	91.35	Bund	1200 m													
									Sluice Repair	2 Nos													
									Weir Repair	1 No													
									Supply channel	2300 m													

51	Reddivalam tank	40.11	53.51	38.77	93.62	126.93	5.46	132.39	Bund	2377 m																					
									Sluice Recons.	1 No																					
									Weir Repair	1 No																					
									Supply channel	5300 m																					
									Kondam repairs	1 No																					
52	Thennal tank	14.18	18.92	13.71	33.10	44.88	1.93	46.81	Bund	1646 m																					
									Sluice Recons.	1 No																					
									Sluice Repair	1 No																					
									Weir Repair	1 No																					
									Supply channel	1600 m																					
53	Vettankulam tank	29.15	38.90	28.18	68.05	92.26	3.97	96.23	Bund	1524 m																					
									Sluice Recons.	2 Nos																					
									Sluice Repair	2 Nos																					
									Weir Repair	2 Nos																					
									Supply channel	1600 m																					
									Kondam repairs	1 No																					
54	Punnai tank	42.84	57.16	41.41	99.99	135.57	5.83	141.40	Bund	2286 m																					
									Sluice Recons.	1 No																					
									Sluice Repair	2 No																					
									Weir Repair	1 No																					
									Supply channel	1400 m																					
55	Zageerthandalam tank	54.27	72.41	52.45	126.68	171.74	7.39	179.13	Bund	2712 m																					
									Sluice Recons.	1 No																					
									Sluice Repair	3 Nos																					
									Weir Repair	1 No																					
									Supply channel	4000 m																					

56	Velleri tank	4.26	5.68	4.11	9.94	13.47	0.58	14.05	Bund	1311 m															
									Sluice Recons.	1 No															
									Sluice Repair	1 No															
									Weir Repair	1 No															
									Supply channel	1000 m															
57	Kilvenpakkam tank	31.91	42.58	30.85	74.49	101.00	4.35	105.34	Bund	2561 m															
									Sluice Recons.	1 No															
									Sluice Repair	2 Nos															
									Weir Repair	1 No															
									Supply channel	2000 m															
58	Melvenpakkam tank	12.44	16.59	12.02	29.03	39.36	1.69	41.05	Bund	1280 m															
									Sluice Recons.	1 No															
									Sluice Repair	2 Nos															
									Supply channel	1600 m															
	Total	**256.84**	**342.67**	**248.25**	**599.51**	**812.78**	**34.97**	**847.75**	Bund	16897 m															
									Sluice reconstruction	9 Nos															
									Sluice repairs	15 Nos															
									Weir repairs	9 Nos															
									Supply channel	22300m															
									Kondam repairs	2 Nos															
	CLUSTER NO .8																								
59	Sirukarumbur tank	52.25	69.71	50.50	121.96	165.35	7.11	172.46	Bund	1585 m															
									Sluice Recons.	1 No															
									Sluice Repair	1 No															
									Weir Repair	1 No															
									Supply channel	2500 m															
60	Eralacheri tank	4.91	6.54	4.74	11.45	15.52	0.67	16.19	Bund	671 m															
									Sluice Repair	1 No															
									Weir Repair	1 No															
									Supply channel	2700 m															
	Total	**57.15**	**76.25**	**55.240**	**133.41**	**180.87**	**7.78**	**188.65**	Bund	18021 m															

									Sluice reconstruction	9 Nos															
									Sluice repairs	28 Nos															
									Weir repairs	12 Nos															
									Supply channel	24700m															
	CLUSTER NO .9																								
61	Peruvlayam tank	40.13	53.54	38.79	93.67	127.00	5.46	132.46	Bund	2469 m															
									Sluice Recons.	2 Nos															
									Sluice Repair	3 Nos															
									Weir Repair	1 No															
									Supply channel	3000 m															
									Kondam repairs	1 No															
62	Kalpalampattu Alanthangal	17.50	23.35	16.92	40.85	55.39	2.38	57.77	Bund	853 m															
									Sluice Recons.	1 No															
									Sluice Repair	2 Nos															
									Weir Repair	1 No															
									Supply channel	1000 m															
63	Kalpalampattu Putheri	5.00	6.67	4.83	11.67	15.82	0.68	16.50	Bund	457 m															
									Sluice Repair	1 No															
									Weir Repair	1 No															
									Supply channel	4200 m															
									Kondam repairs	1 No															
64	Sivaramanthangal tank	1.79	4.04	0.08	5.83	5.67	0.24	5.91	Bund	762 m															
									Sluice Recons.	1 No															
									Supply channel	800 m															

65	Siruvalayam tank	63.09	84.18	60.98	147.27	199.66	8.59	208.25	Bund	1585 m																					
									Sluice Recons.	3 Nos																					
									Sluice Repair	2 Nos																					
									Weir Repair	2 Nos																					
									Supply channel	3000 m																					
66	Dharmaneethi tank	23.13	30.87	22.36	54.00	73.21	3.15	76.36	Bund	1006 m																					
									Sluice Recons.	2 Nos																					
									Sluice Repair	1 No																					
									Weir Repair	1 No																					
									Supply channel	4500 m																					
67	Nangamangalam tank	32.63	43.53	31.53	76.16	103.25	4.44	107.69	Bund	3200 m																					
									Sluice Recons.	1 No																					
									Sluice Repair	1 No																					
									Weir Repair	1 No																					
									Supply channel	4000 m																					
68	Poigainallur Meleri	19.87	26.51	19.20	46.38	62.88	2.71	65.58	Bund	1433 m																					
									Sluice Recons.	1 No																					
									Weir Repair	1 No																					
									Supply channel	3500 m																					
69	Poigainallur Periyathangal	13.74	18.33	13.28	32.06	43.47	1.87	45.34	Bund	975 m																					
									Sluice Recons.	1 No																					
									Weir Repair	1 No																					
									Supply channel	1000 m																					
70	Poigainallur Chinnathangal	2.58	5.24	0.69	7.81	8.15	0.35	8.50	Bund	126 m																					
									Sluice Recons.	1 No																					
									Supply channel	1000 m																					
71	Poigainallur Kilathangal	4.41	5.89	4.27	10.30	13.97	0.60	14.57	Bund	1280 m																					
									Sluice Recons.	1 No																					
									Weir Repair	1 No																					
									Supply channel	600 m																					

72	Panapakkam tank (NK)	24.43	5.24	50.97	29.67	77.31	3.33	80.64	Bund	1050 m														
									Sluice Repair	3 Nos														
									Weir Repair	1 No														
	Total	**248.30**	**307.37**	**263.90**	**555.68**	**785.77**	**33.81**	**819.57**	Bund	15196 m														
									Sluice reconstruction	11 Nos														
									Sluice repairs	14 Nos														
									Weir repairs	12 Nos														
									Supply channel	26600 m														
									Kondam repairs	2 Nos														
	CLUSTER NO .10																							
73	Asanallikuppam tank	67.76	90.41	65.50	158.17	214.44	9.23	223.67	Bund	2800 m														
									Sluice Recons.	2 Nos														
									Sluice Repair	1 No														
									Weir Repair	1 No														
									Supply channel	3500 m														
									Kondam repairs	1 No														
74	S.Kolathur tank	36.97	49.32	35.73	86.29	116.99	5.03	122.02	Bund	1707 m														
									Sluice Recons.	2 Nos														
									Weir Repair	1 No														
									Supply channel	8000 m														
75	Nelvoy tank	39.50	52.70	38.18	92.19	124.99	5.38	130.37	Bund	2560 m														
									Sluice Recons.	2 Nos														
									Sluice Repair	1 No														
									Weir Repair	2 Nos														
									Supply channel	4500 m														

76	Pallur big tank	92.96	124.03	89.85	216.99	294.18	12.66	306.84	Bund	2684 m													
									Sluice Recons.	1 No													
									Sluice Repair	2 Nos													
									Weir Repair	1 No													
									Supply channel	6500 m													
77	Pallur Chitteri								Bund	2317 m													
									Sluice Recons.	1 No													
									Sluice Repair	2 Nos													
									Weir Repair	1 No													
									Supply channel	1700 m													
78	Pallur Putheri								Bund	1525 m													
									Sluice Recons.	1 No													
									Sluice Repair	1 No													
									Weir Repair	1 No													
	Total	**237.19**	**316.46**	**229.26**	**553.65**	**750.61**	**32.29**	**782.90**	Bund	15573 m													
									Sluice reconstruction	11 Nos													
									Sluice repairs	8 Nos													
									Weir repairs	8 Nos													
									Supply channel	19500 m													
									Kondam repairs	1 No													
	CLUSTER NO .11																						
79	Illupaithandalam tank	38.31	51.11	37.02	89.42	121.22	5.22	126.44	Bund	2172 m													
									Sluice Repair	2 Nos													
									Weir Repair	1 No													
									Supply channel	6150 m													
									Kondam repairs	1 No													
80	Synapuram big tank	86.15	114.94	83.27	201.09	272.63	11.73	284.36	Bund	2303 m													
									Sluice Recons.	2 Nos													
									Sluice Repair	1 No													
									Weir Repair	2 Nos													
									Supply channel	4500 m													

81	Synapuram small tank	26.62	35.52	25.73	62.14	84.25	3.62	87.87	Bund	1800 m																	
									Sluice Recons.	1 No																	
									Sluice Repair	1 No																	
									Weir Repair	1 No																	
									Supply channel	3200 m																	
82	Synapuramthangal tank	14.71	19.63	14.22	34.34	46.56	2.00	48.56	Bund	1600 m																	
									Sluice Recons.	2 Nos																	
									Supply channel	1800 m																	
83	Attupakkam big tank	14.41	19.22	13.90	33.63	45.57	1.96	47.53	Bund	1617m																	
									Sluice Repair	2 Nos																	
									Weir Repair	1 No																	
									Supply channel	6800m																	
84	Attupakkam small tank	28.93	38.60	27.97	67.53	91.56	3.94	95.50	Bund	1171m																	
									Sluice Recons.	1 No																	
									Sluice Repair	-																	
									Weir Repair	-																	
									Supply channel	800m																	
	Total	**209.14**	**279.02**	**202.11**	**488.15**	**661.79**	**28.47**	**690.26**	Bund	10663m																	
									Sluice reconstruction	6 Nos																	
									Sluice repairs	6 Nos																	
									Weir repairs	5 Nos																	
									Supply channel	18500m																	
									Kondam repairs	1 No																	

	CLUSTER NO .12																								
85	Takkolam Kalleri	31.76	42.36	30.65	74.12	100.45	4.32	104.77	Bund	2412m															
									Sluice Recons.	1 No															
									Sluice Repair	2 Nos															
									Weir Repair	1 No															
									Supply channel	4500m															
									Kondam repairs	1 No															
86	Arigilpadi tank	43.05	57.44	41.61	100.49	136.24	5.86	142.10	Bund	1695m															
									Sluice Recons.	-															
									Sluice Repair	2 Nos															
									Weir Repair	1 No															
									Supply channel	2500m															
87	Thirumadulampakkam tank	13.49	17.99	13.04	31.48	42.68	1.84	44.52	Bund	1730m															
									Sluice Recons.	2 Nos															
									Sluice Repair	1 No															
									Weir Repair	1 No															
									Supply channel	800m															
88	Mangattucheri tank	13.49	17.99	15.06	31.48	44.62	1.92	46.54	Bund	1625m															
									Sluice Recons.	2 Nos															
									Weir Repair	1 No															
									Supply channel	750m															
89	Pinnavaram tank	22.69	30.26	21.89	52.95	71.75	3.09	74.84	Bund	1677m															
									Sluice Recons.	2 Nos															
									Weir Repair	1 No															
									Supply channel	3000m															
90	Kadambanallur tank	35.69	47.62	34.50	83.31	112.95	4.86	117.81	Bund	2074m															
									Sluice Recons.	1 No															
									Sluice Repairs	2 Nos															
									Weir Repair	1 No															
									Supply channel	800 m															

91	Parameswaramangalam tank	26.28	35.06	26.33	61.33	83.15	4.51	87.66	Bund	2379m														
									Sluice Recons.	2 Nos														
									Sluice Repair	-														
									Weir Repair	1 No														
									Supply channel	2500m														
	Total	**186.44**	**248.72**	**183.08**	**435.17**	**591.84**	**26.40**	**618.24**	Bund	13592m														
									Sluice reconstruction	10 Nos														
									Sluice repairs	7 Nos														
									Weir repairs	7 Nos														
									Supply channel	14850m														
									Kondam repairs	1 No														
	CLUSTER NO .13																							
92	Sendamangalam tank	1.64	2.19	1.58	3.84	5.20	0.22	5.42	Bund	1525m														
									Sluice Recons.	-														
									Sluice Repair	1 No														
									Weir Repair	1 No														
									Supply channel	1000m														
93	Ganapathipuram tank	36.64	48.89	35.42	85.53	115.96	4.99	120.95	Bund	2440 m														
									Sluice Recons.	1 no														
									Sluice Repair	1 no														
									Weir Repair	1 no														
									Supply channel	4800 m														
94	Murungai tank	17.17	22.91	16.60	40.08	54.34	2.34	56.68	Bund	2577 m														
									Sluice Repair	3 nos														
									Weir Repair	1 no														
									Supply channel	5800 m														

95	Sendamangalam small tank	25.13	33.53	24.29	58.66	79.53	3.42	82.95	Bund	756m																				
									Sluice Recons	1 No																				
									Sluice Repair	1 No																				
									Weir Repair	1 No																				
									Supply channel	1000m																				
96	Manavanthangal tank	7.97	10.63	7.70	18.60	25.22	1.08	26.3	Bund	1650m																				
									Sluice Recons.	1 No																				
									Sluice Repair	1 No																				
									Weir Repair	1 No																				
									Supply channel	-																				
97	Takkolam big tank	52.51	70.06	50.75	122.57	166.17	7.15	173.32	Bund	3203m																				
									Sluice Recons.	2 Nos																				
									Sluice Repairs	2 Nos																				
									Weir Repair	1 No		0.00																		
									Supply channel	6300m																				
98	Chittoor big tank	32.86	48.84	26.69	81.70	103.92	4.47	108.39	Bund	2074m																				
									Sluice Recons.	1 No																				
									Sluice Repairs	1 No																				
									Weir Repair	1 No																				
									Supply channel	1500m																				
									Kondam repairs	1 No																				
99	Chittoor small tank	9.40	12.20	7.84	21.60	28.23	1.21	29.44	Bund	97m																				
									Sluice Recons.	2 Nos																				
									Sluice Repairs	-																				
									Weir Repair	1 NO																				
									Supply channel	300m																				
									Kondam repairs	1 No																				
	Total	**183.33**	**249.25**	**170.87**	**432.58**	**578.57**	**24.88**	**603.45**	Bund	15201m																				
									Sluice reconstruction	8 Nos																				
									Sluice repairs	10 Nos																				
									Weir repairs	8 Nos																				
									Supply channel	20700m																				
									Kondam repairs	1 No																				
		3176.24	**4272.00**	**3076.52**	**7448.24**	**10075.71**	**472.91**	**10510.54**																						

Sl. No.	Name of the cluster / infrastructure / Village	Name of the Cluster Block	Name of the Cluster Reenue Villages	Total Ayacut (Ha)			Total Area (Ha)			WRO		Agriculture		TNAU		Horticulture		Agri marketing		AED		Fisheries		Animal Husbandry	
				FI	PI	Gap	Wop	WP	Gap	Activities	Nos.	Act	No. /Ha	Act	No. /Ha	Act	No. /Ha	Act	No. /Ha	Act	No. /Ha	Act	No. /Ha	Act	No. /Ha
1	2			3	4	5	6	7	8	9		10	11	12	13	14	15	16	17	18	19	20	21	22	23
	CLUSTER NO-14																								
100	Periyakalakattur Big Tank	Tiruvalengadu	Periyakalakattur	72.610		398.240	72.610	370.225	100.625	Bund	1524M														
										Sluice repairs	2 Nos														
										Weir repairs	1 No.														
										Supply chl	5500M														
										Field channel	700m														
101	Periyakalakattur Chitteri	Tiruvalengadu	Periyakalakattur	37.335		15.985	37.335	32.540	20.780	Bund	1524M														
										Weir repair	1 No.														
										Supply channel	2000M														
										Field channel	200M														
102	Villanthangal tank	Tiruvalengadu	Chinnammapet	3.550		40.980	3.550	33.400	11.130	Bund	671M														
103	Thozhudavur Tank	Tiruvalengadu	Maruthavallipuram	82.185		89.045	82.185	160.955	10.275	Bund	1920M														
										Sluice reconstn	2 Nos.														
										Weir repair	1 No.														
										Supply channel	1750M														
										Field channel	300M														
104	Orathur tank	Tiruvalengadu	Orathur	91.545		99.175	91.545	172.150	18.570	Bund	1798M														
										Sluice reconstn	1 No.														
										Weir repair	1 No.														
										Supply channel	1200M														
										Field channel	200M														
105	Pakasalammal tank	Tiruvalengadu	Pakasala	61.500		111.330	61.500	155.550	17.280																
106	Chinnamandalai big tank	Tiruvalengadu	Chinnamandalai	104.500		-35.650	104.500	62.840	6.010																

										Bund	671M																		
										Sluice reconstn	2 Nos.																		
107	J.S.Ramapuram Chitteri	Tiruvalengadu	J.S. Ramapuram	12.510		33.080	12.510	37.500	8.090	Weir repair	1 No.																		
										Supply channel	250M																		
										Field channel	300M																		
108	Kalambakkam Big Tank	Tiruvalengadu	Kalambakkam	52.400		6.540	52.400	48.480	10.460	Bund	1325M																		
										Sluice reconstn	1 No.																		
										Weir repair	1 No.																		
										Supply channel	1500M																		
										Field channel	200M																		
109	Manavur Hissa Tank	Tiruvalengadu	Manavur	260.945		468.355	260.945	524.850	204.450	Bund	4785M																		
										Sluice repair	1 No.																		
										Sluice reconstn	3 Nos.																		
										supply channel	3000M																		
										Field channel	500M																		
110	Pakasala Lakshmivilasapuram Tank	Tiruvalengadu	Lakshmivilasapuram	87.420		100.160	87.420	162.725	24.855	Bund	2256M																		
										Sluice reconstn	1 No																		
										Weir reconstn.	1 No.																		
										Field channel	200M																		
111	Ponnangulam Tank	Tiruvalengadu	Ponnangulam	50.410		21.290	50.410	67.620	4.080	Bund	1036M																		
										Sluice reconstn	3 Nos																		
										Field channel	450M																		
			Total	**916.910**		**1348.530**	**916.910**	**1828.84**	**436.61**	Bund	10182																		
										Sluice	15																		
										Weir	7																		
										Supply channel	7700																		

										Field channel	2425																
	CLUSTER NO-15																										
112	Arumbakkam Kadapperi	Tiruvalengadu	Vysapuram	57.455		49.025	57.455	106.05	0.43																		
113	Arumbakkam Tellacheru																										
114	Chakramallur Tank	Tiruvalengadu	Chakramallur	47.515		10.485	47.515	48.330	9.670	Bund 1342M	1342M																
										Sluice repairs 3 Nos.	3 Nos.																
										Weir repairs1 No	1 No																
										Supply chl 500M	500M																
										Field channel 250M	250M																
115	Ganesapuram Tank	Tiruvalengadu	Vysapuram	44.845		22.585	44.845	64.060	3.370	Bund	854M																
										Sluice repairs	1 No																
										Sluice Reconstn	1 No.																
										Weir repairs	1 No.																
										Supply chl	900M																
										Field channel	400M																
116	Palayanur Tank	Tiruvalengadu	Palayanur	117.910		52.560	117.910	153.410	17.060	Bund	2225M																
										Sluice repairs	2 Nos																
										Sluice Reconstn																	
										Weir repairs	2 Nos.																
										Supply chl	3000M																
										Field channel	800M																
117	Pulavanallur Tank	Tiruvalengadu	Pulavanallur	7.41		46.44	7.41	44.695	9.155	Bund	1158M																
										Sluice Reconstn	2 Nos																
										Weir repairs	1 No.																
										Supply chl	1500M																
										Field channel	200M																

118	Harichandrapuram Tank	Tiruvalengadu	Harichandrapuram	60.705		35.495	60.705	95.705	0.495	Bund	1250M
										Sluice Repair	1 No.
										Sluice reconstn	1 No.
										Weir Repair	1 No.
										Supply channel	1800M
										Field channel	375M
119	Jageermangalam Asaneri	Tiruvalengadu	Jageermangalam	107.495		51.285	107.495	127.975	30.805		
120	Jageermangalam Big tank	Tiruvalengadu	Jageermangalam	24.165		95.425	24.165	111.11	8.48	Bund	1981M
										Sluice Repair	2 Nos
										Weir Repair	1 No.
										Field channel	200M
121	Jageermangalam Chitteri									Bund	1372M
122	Narthawada Tank	Tiruvalengadu	Narthawada	83.66		11.48	83.66	90.38	4.76	Sluice repair	2 Nos
										Field channel	200M
			Sub Total	**551.16**		**374.780**	**551.160**	**841.715**	**84.225**	Bund	6695
										Sluice	14
										Weir	5
										Supply channel	2
										Field channel	1400
	CLUSTER NO.16										
123	Gulawadi Tank	Tiruvalengadu	Gulawadi	48.715		12.395	48.715	55.195	5.915	Bund	918M
										Sluice repair	2 Nos
										sluice reconstn	1 NO.
										supply channel	1800M
										field channel	300M

										Bund	610M														
										sluice repair	1 No.														
124	Gulawadi Pattrai Tank	Tiruvalengadu	Gulawadi	15.55		51.88	15.55	64.08	3.35	supply channel	2000M														
										field channel	100M														
										Bund	945M														
										sluice repair	1 NO.														
125	Tiruvalengadu Netteri	Tiruvalengadu	Tiruvalengadu	39.620		8.260	39.620	41.530	6.350	sluice reconstn	1 No.														
										Weir repair	1 NO.														
										supply channel	4000M														
										field channel	200M														
			Sub Total	**103.885**		**72.535**	**103.885**	**160.805**	**15.615**	Bund	17510														
										Sluice	15														
										Weir	7														
										Supply channel	9500														
										Field channel	3050														
	CLUSTER - 17	-	-																						
126	Ramankoil Tank	Kadambathur	Ramankoil		19.85	28.38	19.85	33.19	15.04	Bund Impt.	1400m														
										R C sluice	1														
										Repair-weir	1														
										S C Impt.	3000														
										Field channel	100														
127	Sennavaram Tank	Kadambathur	Sennavaram		21.08	17.29	21.08	38.37		Bund Impt.	1433														
										R C sluice	1														
										R C weir	1														
										Field channel	100														

128	Panambakkam Big Tank	Kadambathur	Panabakkam	21.11	6.00	36.65	27.11	30.51	33.25	Bund Impt.	1829																
										R C sluice	1																
										Repair-weir	1																
										S C Impt.	3000																
129	Panambakkam Chitheri	Kadambathur	Panambakkam			43.18			43.18	Bund Impt.	1160																
										S C Impt.	250																
130	Thenkaranai Tank	Kadambathur	Thenkaranai							Bund Impt.	1097																
										R C sluice	1																
										R C weir	1																
					54.39	4.96	54.39	59.35		Field channel	100																
131	Thenkaranai Zeemaleri	Kadambathur	Thenkaranai							Bund Impt.	762																
										R C sluice	1																
										Repair-weir	1																
										S C Impt.	300																
				21.11	**101.32**	**130.46**	**122.43**	**161.42**	**91.47**	Bund	7681																
										Sluice	6																
										Weir	5																
										Supply channel	6550																
										Field channel	500																
	CLUSTER - 18																										
132	Kalaniyanur Big Tank	Poondi	Kalaniyanur	44.08		71.92	44.08	116.00		Bund Impt.	1400																
										R C sluice	4																
										Repair-weir	1																
										S C Impt.	2500																
										Field channel	400																
133	Kalaniyanur Chitheri	Poondi	Kalaniyanur	12.385		36.20	12.39	48.58		Bund Impt.	1220																
										R C sluice	2																
										Repair-weir	1																
										S C Impt.	1300																

										Field channel	200															
134	Nemili Agram Tank	Poondi	Nemili Agram	85.215		39.44	85.22	124.65		Bund Impt.	950															
										R C sluice	2															
										Repair-weir	1															
										S C Impt.	2500															
										Field channel	200															
135	Melvilagam Tank	Poondi	Melvilagam	34.325		50.00	34.33	84.33		Bund Impt.	800															
										R C sluice	2															
										R C weir	1															
										Field channel	400															
										R C sluice	2															
										Repair-weir	1															
										S C Impt.	2800															
136	Vidaiyur Periya Eri	Kadambathur	Vidaiyur		57.10	50.37	57.10	107.47		Bund Impt.	2728															
										R C sluice	3															
137	Vidaiyur Chitheri	Kadambathur	Vidaiyur							Repair-weir	1															
										S C Impt.	3800															
										Field channel	250															
										Bund Impt.	2728															
										R C sluice	3															
										Repair-weir	1															
										S C Impt.	3800															
										Field channel	250															
138	Venmanambudur Tank	Kadambathur	Venmanambudur		73.29	38.10	73.29	91.39	20.00	Bund Impt.	594															
										Repair-sluice																
										R C sluice	2															
										Repair-weir	1															
										R C weir																
										S C Impt.	2500															

				176.005	**130.39**	**286.02**	**306.40**	**572.42**	**20.00**	Field channel	200																				
										Bund	7244																				
										Sluice	14																				
										Weir	6																				
										Supply channel	9100																				
										Field channel	1600																				
	CLUSTER - 19																														
139	Pattraiperumbudur Tank	- Poondi	- Pattraiperumbudur	100.62		164.16	100.62	264.78		Bund Impt.	2728																				
										R C sluice	3																				
										Repair-weir	1																				
										S C Impt.	3800																				
										Field channel	250																				
140	Manjakuppam Tank	Poondi	Manjakuppam	32.7		53.35	32.70	86.05		Bund Impt.	1000																				
										R C sluice	2																				
										Repair-weir	1																				
										S C Impt.	3500																				
										Field channel	200																				
141	Kunnavalam Tank	Poondi	Kunnavalam	6.18		35.04	6.18	41.22		Bund Impt.	832																				
										R C sluice	2																				
										R C weir	1																				
										S C Impt.	2500																				
142	Thirupatchur Tank	Poondi	Thirupatchur	20.00	70.40	50.69	90.40	141.09		Bund Impt.	4100																				
										R C sluice	6																				
										Repair-weir	2																				
										S C Impt.	2600																				
										Field channel	450																				

143	Kaivandur Tank	Poondi	Kaivandur	20.00	80.62	25.29	100.62	125.91		Bund Impt.	2986
										R C sluice	3
										Repair-weir	1
										S C Impt.	3200
										Field channel	300
144	Pandur Tank	Poondi	Pandur		51.65	42.84	51.65	94.49		Bund Impt.	2986
										R C sluice	3
										Repair-weir	1
										S C Impt.	3200
				179.50	**202.67**	**371.37**	**382.17**	**753.54**		Bund	11646
										Sluice	16
										Weir	6
										Supply channel	15600
										Field channel	1400
	-	**-**	**-**								
	CLUSTER - 20	**-**	**-**								
145	Rangapuram Tank	Poondi	Rangapuram		33.240	6.65	33.24	39.89		Bund Impt.	701
										R C sluice	1
										Repair-weir	1
										S C Impt.	2000
										Field channel	100
146	Krishnapuram Tank	Poondi	Krishnapuram		29.630	12.48	29.63	42.11		Bund Impt.	661
										R C sluice	2
										Repair-weir	1
										S C Impt.	4000
										Field channel	100
147	Thirupair Matheri Tank	Poondi	Thirupair Matheri		26.930	3.180	26.930	30.110		Bund Impt.	761
										R C sluice	1
										Repair-weir	1

										S C Impt.	2000														
										Field channel	100														
148	Sendrayapalayam Tank	Poondi	Sendrayapalayam	10.050	111.650	26.710	121.700	148.410		Bund Impt.	1000														
										R C sluice	1														
										Repair-weir	1														
										S C Impt.	6000														
										Field channel	100														
149	Nayapakkam Budheri	Poondi	Nayapakkam		15.10	5.88	15.10	20.98		R C sluice	1														
150	Nayapakkam Tank									Bund Impt.	900														
										Field channel	100														
151	Ariyathur Tank	Poondi	Ariyathur		25.70	7.86	25.70	33.56		Bund Impt.	1000														
										R C sluice	2														
										Repair-weir	1														
										S C Impt.	1000														
										Field channel	200														
152	Nambakkam Tank	Poondi	Nambakkam	14.10	52.50	21.39	66.60	87.99																	
				24.15	**294.75**	**84.15**	**318.90**	**403.05**		Bund	5023														
										Sluice	8														
										Weir	6														
										Supply channel	15000														
										Field channel	700														
	CLUSTER - 21	-	-																						
153	Ponnapattu Tank	Poondi	Ponnapattu	10.000	28.410	5.63	38.41	44.04		Bund Impt.	1188														
										R C sluice	2														
										Repair-weir	1														
										S C Impt.	1800														
										Field channel	100														

154	Attrambakkam Tank	Poondi	Attrambakkam		30.10	18.55	30.10	48.65		Bund Impt.	1200																				
										R C sluice	2																				
										Repair-weir	1																				
										S C Impt.	3100																				
										Field channel	200																				
155	Neiyveli Tank	Poondi	Neiyveli	40.20	42.54	27.74	82.74	110.48																							
156	Eraiyur Big Tank	Poondi	Eraiyur	6.00	40.44	14.87	46.44	61.31		Bund Impt.	1400																				
										R C sluice	3																				
										Repair-weir	1																				
										S C Impt.	1700																				
										Field channel	225																				
157	Eraiyur Chitheri	Poondi	Eraiyur		32.97	5.90	32.97	38.87		Bund Impt.	1200																				
										R C sluice	3																				
										Repair-weir	1																				
										S C Impt.	1900																				
										Field channel	200																				
				56.20	**174.46**	**72.69**	**230.66**	**303.35**		Bund	4988																				
										Sluice	10																				
										Weir	4																				
										Supply channel	8500																				
										Field channel	725																				
	CLUSTER - 22	-	-																												
158	Melanur Tank	Ekkadu	Melanur	72.290		8.53	72.29	78.81	2.00	Bund Impt.	1707																				
										R C sluice	4																				
										Repair-weir	1																				
										S C Impt.	3000																				
										Field channel	300																				

159	Pinnapakkam Tank	Ekkadu	Pinnapakkam	105.43		16.96	105.43	122.39		Bund Impt.	3383														
										Repair-sluice	1														
										Repair-weir	2														
										S C Impt.	4000														
										Field channel	100														
160	Chithampakkam Tank	Poondi	Chithapakkam	40.00	58.8	59.07	98.80	157.87		Bund Impt.	3500														
										Repair-sluice	5														
										Repair-weir	2														
										S C Impt.	2100														
										Field channel	300														
161	Ramathandalam Tank	Poondi	Ramathandalam	30.00	30.34	19.68	60.34	80.02		Bund Impt.	1500														
										Repair-sluice	5														
										Repair-weir	2														
										S C Impt.	4000														
162	Pullarambakkam Tank	Poondi	Pullarambakkam	40.00	117.1	39.33	157.10	196.43		Bund Impt.	3800														
										Repair-sluice	6														
										Repair-weir	2														
										S C Impt.	2600														
										Field channel	500														
				287.72	**206.24**	**143.57**	**493.96**	**635.52**	**2.00**	Bund	13890														
										Sluice	21														
										Weir	9														
										Supply channel	15700														
										Field channel	1500														
	CLUSTER - 23																								
163	Ikkadu Kalayani Eri	Ekkadu	Ikkadu	97.225		94.29	97.225	191.52	--	Bund Impt.	1414														
										Repair-sluice	1														
										R C sluice	1														
										Repair-weir	1														

										S C Impt.	2000																		
										Field channel	400																		
164	Ikkadu Big Tank	Ekkadu	Ikkadu	99.855		165.15	99.855	235.00	30.00	Bund Impt.	2591																		
										Repair-sluice	3																		
										R C sluice	1																		
										R C weir	4000																		
										S C Impt.	400																		
165	Ikkadu New Tank	Ekkadu	Ikkadu							Bund Impt.	2194																		
										Repair-sluice	1																		
										Repair-weir	2																		
										Field channel	100																		
166	Kakkalur	Ekkadu	Kakkalur	71.035		101.78	71.035	144.80	28.01	Bund Impt.	2682																		
										Repair-sluice	3																		
										R C sluice	1																		
										Repair-weir	2																		
										S C Impt.	3000																		
										Field channel	300																		
167	Perumbakkam Tank	Ekkadu	Perumbakkam																										
168	Kalambakkam	Ekkadu	Kalambakkam	50.870		68.12	50.87	68.99	50.00	Bund Impt.	1951																		
										Repair-sluice	2																		
										Repair-weir	2																		
										S C Impt.	2000																		
										Field channel	300																		
169	Kalayanakuppam Kosavaneri	Ekkadu	Kalayanakuppam	77.800		29.29	77.80	105.09	2.00	Bund Impt.	2591																		
										Repair-sluice	2																		
										R C sluice	1																		
										Field channel	300																		

170	Kalayanakuppam Big Tank	Ekkadu	Kalayanakuppam							Bund Impt.	1768																
										Repair-sluice	2																
										Repair-weir	1																
										S C Impt.	2000																
										Field channel	300																
171	Thandalam Big Tank	Ekkadu	Thandalam		69.14	7.69	69.14	76.83		Bund Impt.	4877																
										R C sluice	2																
										Repair-weir	1																
										S C Impt.	3000																
										Field channel	160																
				396.79	**69.14**	**466.30**	**465.93**	**822.22**	**110.01**	Bund	20068																
										Sluice	20																
										Weir	11																
										Supply channel	16000																
										Field channel	2260																
	CLUSTER - 24	-	-																								
172	Ayalur Mettuthangal	Ekkadu	Ayalur	17.945		38.70	17.95	56.65	--	Bund Impt.	1518																
										Repair-sluice	1																
										R C sluice	1																
										Repair-weir	1																
										S C Impt.	1000																
										Field channel	200																
173	Ayalur Tank	Ekkadu	Ayalur	64.400	5.000	14.16	69.40	83.56	--	Bund Impt.	2134																
										Repair-sluice	4																
										Repair-weir	1																
										S C Impt.	3000																
										Field channel	300																
174	Ayathur Thangal	Ekkadu	Ayathur	17.865		49.56	17.87	63.42	4.00	Bund Impt.	1707																
										Repair-sluice	1																
										R C sluice	1																

										Repair-weir	1																				
										S C Impt.	3000																				
										Field channel	200																				
175	Perathur Tank	Ekkadu	Perathur	125.909		163.07	125.909	288.98	--	Bund Impt.																					
										Repair-sluice	7																				
										Repair-weir	1																				
										S C Impt.	2000																				
										Field channel	400																				
176	Kilanur Tank	Ekkadu	Kilanur	73.585		94.02	73.59	153.59	14.02	Bund Impt.																					
										Repair-sluice	4																				
										R C sluice	1																				
										S C Impt.	4000																				
										Field channel	300																				
177	Othikadu Tank	Ekkadu	Othikadu	45.820		15.48	45.82	56.30	5.00	Bund Impt.	2835																				
										Repair-sluice	4																				
										Repair-weir	1																				
										Repair-sluice	4																				
										Repair-weir	1																				
										S C Impt.	2000																				
										Field channel	400																				
178	Sitrathur Tank	Ekkadu	Sitrathur		26.46	66.78	26.46	93.24		Bund Impt.	1920																				
										R C sluice	2																				
										Repair-weir	1																				
										S C Impt.	1500																				
										Field channel	100																				
179	Veeragavapuram Tank	Ekkadu	Veeragavapuram	82.93		4.71	82.93	87.64		Bund Impt.	2286																				
										R C sluice	1																				
										Repair-weir	1																				
										S C Impt.	1500																				
										Field channel	150																				

				428.45	**31.46**	**446.47**	**459.91**	**883.36**	**23.02**	Bund	17911																		
										Sluice	27																		
										Weir	9																		
										Supply channel	18000																		
										Field channel	2050																		
	CLUSTER - 25																												
180	Puliyur Tank	Ekkadu	Puliyur	77.180		68.83	77.18	140.01	6.00	Bund Impt.	3536																		
										Repair-sluice	1																		
										R C sluice	1																		
										Repair-weir	1																		
										S C Impt.	3000																		
										Field channel	400																		
181	Sivanvyal Tan k	Ekkadu	Sivangoyal	89.070		109.03	89.07	189.10	9.00	Bund Impt.	3170																		
										Repair-sluice	3																		
										Repair-weir	1																		
										S C Impt.	3000																		
										Field channel	300																		
182	Vadhatur Tank	Ekkadu	Vadhatur	204.22		109.04	204.22	313.26		Bund Impt.	2591																		
										R C sluice	2																		
										Repair-weir	2																		
										S C Impt.	2000																		
										Field channel	210																		
183	Melakondaiyar Tank	Ellapuram	Melakondaiyur	58.92	20.00	12.20	78.92	91.12		Bund Impt.	1280																		
										R C sluice	1																		
										Repair-weir	1																		
										S C Impt.	2000																		
										Field channel	300																		
				429.39	**20.00**	**299.09**	**449.39**	**733.48**	**15.00**	Bund	10577																		
										Sluice	8																		

										Weir	5														
										Supply channel	10000														
										Field channel	1210														
	CLUSTER - 26																								
184	Pakkam Chitheri	Ekkadu	Pakkam	85.50		58.02	85.50	110.50	33.02	Bund Impt.	2103														
										Repair-sluice	3														
										Repair-weir	1														
										S C Impt.	2000														
										Field channel	300														
185	Pakkam Tank	Ekkadu	Pakkam	54.245		100.27	54.25	74.52	80.00	Bund Impt.	2591														
										Repair-sluice	4														
										R C sluice	1														
										Repair-weir	1														
										S C Impt.	5000														
										Field channel	400														
186	Pakkam Thangal	Ekkadu	Pakkam	68.920		139.70	68.92	156.42	52.00	Bund Impt.	1280														
										Repair-sluice	3														
										Repair-weir	1														
										S C Impt.	2000														
										Field channel	300														
187	Perumalpattu Budheri	Ekkadu	Perumalpattu																						
				208.665		**297.99**	**208.665**	**341.44**	**165.02**	Bund	5974														
										Sluice	11														
										Weir	3														
										Supply channel	9000														
										Field channel	1000														

	CLUSTER - 27	-	-																							
188	Karikalavakkam Tank	Ekkadu	Karikalavakkam	38.980		57.52	38.98	89.50	7.00	Bund Impt.	3636															
										Repair-sluice	4															
										R C sluice	1															
										Repair-weir	2															
										S C Impt.	2000															
										Field channel	400															
189	Velliyur Tank	Ekkadu	Velliyur	111.66	38.00	18.13	149.66	167.79		Bund Impt.	3231															
										R C sluice	1															
										Repair-weir	2															
										S C Impt.	3000															
										Field channel	200															
190	Vilapakkam Tank	Ekkadu	Vilambakkam							Bund Impt.	1080															
										R C sluice	2															
										S C Impt.	1000															
					48.11	4.08	48.11	52.19		Field channel	60															
191	Vilapakkam Uranithangal	Ekkadu	Vilambakkam							Bund Impt.	1100															
										R C sluice	1															
										R C weir	1															
										S C Impt.	3000															
										Field channel	60															
				150.64	**86.11**	**79.73**	**236.75**	**309.48**	**7.00**	Bund	8947															
										Sluice	9															
										Weir	5															
										Supply channel	9000															
										Field channel	720															

	CLUSTER - 28	-	-																							
192	Magaral Tank	Ekkadu	Magral		31.44	42.52	31.44	73.96		Bund Impt.	1524															
										R C sluice	1															
										Repair-weir	1															
										S C Impt.	1000															
										Field channel																
193	Magaral Nadu thangal	Ekkadu	Magral							Bund Impt.	640															
										R C sluice	1															
				27.32		52.67	27.32	79.99		Repair-weir	1															
194	Magral Vizhu thangal	Ekkadu	Magral							Bund Impt.	549															
										R C sluice	1															
										Repair-weir	1															
										S C Impt.	2000															
										Field channel	400															
195	Thamaraipakkam Tank	Ellapuram	Thamaraipakkam	86.96		61.85	86.96	129.55	19.26	Bund Impt.	2499															
										R C sluice	2															
										Repair-weir	1															
										S C Impt.	2000															
										Field channel	400															
196	Kommakkambedu Tank	Ellapuram	Kommakkambedu	93.98		20.14	93.98	114.12		Bund Impt.	1341															
										R C sluice	1															
										Repair-weir	1															
										S C Impt.	3000															
										Field channel	300															
				208.26	**31.44**	**177.17**	**239.70**	**397.61**	**19.26**	Bund	6553															
										Sluice	6															
										Weir	5															

										Supply channel	8000														
										Field channel	1300														
	CLUSTER - 29	**-**	**-**																						
197	Guruvoyal Tank	Ellapuram	Guruvoyal	59.7	18.00	21.92	77.70	99.62		Bund Impt.	1585														
										R C sluice	1														
										Repair-weir	1														
										S C Impt.	1500														
										Field channel	200														
198	Karani Tank	Ellapuram	Karani	17.64	14.00	68.01	31.64	99.65		Bund Impt.	2528														
										R C sluice	1														
										Repair-weir	1														
										S C Impt.	1000														
										Field channel	200														
199	Koduvelli panchanthangal	Ellapuram	Koduvelli		12.19	32.22	12.19	44.41		Bund Impt.	472														
										Repair-weir	1														
										S C Impt.	4000														
										Field channel	300														
200	Koduveli Tank	Ellapuram	Koduveli	15.58	34.00	60.67	49.58	110.25		Bund Impt.	2527														
										R C sluice	1														
										Repair-weir	1														
										R C weir	4000														
										S C Impt.	400														
				92.92	**78.19**	**182.82**	**171.11**	**353.93**		Bund	7342														
										Sluice	4														
										Weir	4														
										Supply channel	7000														
										Field channel	1100														

	CLUSTER - 30	-	-																							
201	Athivakkam Tank	Ellapuram	Athivakkam	20.79	36.00	16.34	56.79	73.13		Bund Impt.	1285															
										R C sluice	2															
										Repair-weir	1															
										S C Impt.	2000															
										Field channel	300															
202	Alinjivakkam Tank	Ellapuram	Alinjivakkam	39.78		26.38	39.78	39.78	26.38	Bund Impt.	1458															
										R C sluice	1															
										S C Impt.	4000															
										Field channel	300															
203	Athingikavanoor Tank	Ellapuram	Athingikavanoor	66.35		8.25	66.35	74.60		Bund Impt.	1052															
										R C sluice	1															
										Repair-weir	1															
										S C Impt.	7000															
										Field channel	300															
204	Kilambakkam Tank	Ellapuram	Kilambakkam	77.395	38.00	7.35	115.40	122.75		Bund Impt.	1707															
										R C sluice	1															
										Field channel	300															
205	Neiveli Tank	Ellapuram	Neiveli		33.57	17.08	33.57	50.65		Bund Impt.	1750															
										Repair-weir	1															
										S C Impt.	1500															
										Field channel	100															
206	Poorivakkam Tank	Ellapuram	Poorivakkam	16.31	46.00	60.08	62.31	122.39		Bund Impt.	1929															
										R C sluice	1															
										R C weir	1															
										S C Impt.	2000															
										Field channel	400															

207	Thirukandalam Tank	Ellapuram	Thirukandalam	27.91	20.00	64.72	47.91	112.63		Bund Impt.	3541															
										R C sluice	2															
										Repair-weir	2															
										S C Impt.	4000															
										Field channel	300															
				248.535	**173.57**	**200.20**	**422.105**	**595.92**	**26.38**	Bund	12722															
										Sluice	8															
										Weir	6															
										Supply channel	20500															
										Field channel	2000															
	CLUSTER - 31																									
208	Allukuli Tank	Poondi	Allukuli	36.655		40.57	36.66	36.66	40.57	Bund Impt.	725															
										R C sluice	1															
										Repair-weir	1															
										S C Impt.	1500															
										Field channel	100															
209	Devandavakkam Tank	Poondi	Devandavakkam	43.055		5.92	43.06	43.06	5.92	Bund Impt.	1097															
										R C sluice	2															
										Repair-weir	1															
										S C Impt.	800															
										Field channel	200															
210	Kadirvedu Tank	Poondi	Kadirvedu	8.070		45.00	8.07	8.07	45.00	Bund Impt.	1010															
										Repair-sluice																
										R C sluice	1															
										Repair-weir	1															
										Field channel	100															

211	Korrakkanathandalam Jaderi	Poondi	Korrakkanathandalam	25.885		16.71	25.89	25.89	16.71	Bund Impt.	1000															
										Repair-weir																
										R C weir	1															
										Field channel	100															
212	Meyyur Vepperi	Poondi	Meyyur	63.500		2.08	63.50	63.50	2.08																	
213	Meyyur Large Tank	Poondi	Meyyur	104.890		3.70	104.89	104.89	3.70	Bund Impt.	1190															
										R C sluice	2															
										Repair-weir	1															
										S C Impt.	700															
										Field channel	200															
214	Nelvoy Reddammaneri	Poondi	Nelvoy	97.330		1.66	97.33	97.33	1.66	Bund Impt.	2410															
										R C sluice	2															
										Repair-weir	2															
										S C Impt.	600															
										Field channel																
215	Nelvoy Koppanthangal	Poondi	Nelvoy	30.430		4.52	30.43	30.43	4.52	Bund Impt.	914															
										R C sluice	1															
										R C weir	1															
										S C Impt.	500															
										Field channel	100															
216	Nelvoy Perieri and Chitheri	Poondi	Nelvoy	Joint			Joint	Joint																		
217	Odaippai Big Tank	Poondi	Odaippai	92.525		14.25	92.53	92.53	14.25	Bund Impt.	1000															
										R C sluice	2															
										Repair-weir	1															
										S C Impt.	700															
										Field channel	200															

218	Sembedu Puderi and Chitheri	Poondi	Sembedu	45.790		6.54	45.79	45.79	6.54	Bund Impt.	1100															
										R C sluice	2															
										R C weir	2															
										S C Impt.	1000															
										Field channel	200															
219	Thimmaboopalapuram	Poondi	Thimmaboopalapuram	18.250		9.20	18.25	18.25	9.20	Bund Impt.	980															
										R C sluice	1															
										Repair-weir	1															
										S C Impt.	1700															
										Field channel	100															
220	Thimmaboopalapuram East Tank	Poondi	Thimmaboopalapuram	38.230		18.54	38.23	38.23	18.54	Bund Impt.	1465															
										R C sluice	3															
										Repair-weir	1															
										S C Impt.	700															
										Field channel	300															
221	Vellathukottai Tank	Poondi	Vellathukottai	40.600		39.58	40.60	40.60	39.58																	
222	Vellathukottai Eracheruvu	Poondi	Vellathukottai	46.025		57.99	46.03	46.03	57.99	Bund Impt.	1646															
										R C sluice	1															
										Repair-weir	2															
										S C Impt.	60															
										Field channel	200															
				691.235		**266.23**	**691.235**	**691.235**	**266.23**	Bund Impt.	15637															
										R C sluice	20															
										Repair-weir	11															
										R C weir	5															
										S C Impt.	11600															
	CLUSTER - 32	-	-	-						Field channel	1900															
	-	-	-	-																						

223	Koilpathagai Tank	Villivakkam	Koilpathagai	165.79	39.84	82.00	205.63	255.63	32.00	Bund Impt.	2100															
										R C sluice	1															
										R C weir	1															
										S C Impt.	500															
										Field channel	30200															
224	Mittanamallee Tank	Villivakkam	Mittanamallee	72.06	47.09	12.00	119.15	119.15	12.00	Bund Impt.	1372															
										R C sluice	3															
										S C Impt.	500															
										Field channel	600															
225	Vellacheri Tank	Villivakkam	Vellacheri	104.05	24.28	60.00	128.33	188.33		Bund Impt.	1950															
										R C sluice	1															
										R C weir	2															
										S C Impt.	800															
										Field channel	100															
226	Kadavoor Tank	Villivakkam	Kadavoor	41.3	30.97		72.27	72.27		Bund Impt.	1280															
										R C sluice	2															
										Repair-weir																
										S C Impt.	500															
										Field channel	400															
227	Palavedu Tank	Villivakkam	Palavedu	250.2	12.10	162.00	262.30	342.30	82.00																	
228	Palavedu Thangal	Villivakkam	Palavedu	162.22	59.82	50.00	222.04	222.04	50.00	Bund Impt.	1500															

229	Keelkondaiyur Tank	Villivakkam	Keelkondaiyur	131.17	85.38	37.00	216.55	216.55	37.00	Bund Impt.	4600															
										R C sluice	3															
										R C weir	1															
										Field channel	600															
230	Pandeswaram Tank	Villivakkam	Pandeswaram	170.85	45.00	66.06	215.85	250.85	31.06	Bund Impt.	2450															
										R C sluice	2															
										R C weir	1															
										Field channel	600															
231	Morai Tank	Villivakkam	Morai	46.96		38.98	46.96	46.96	38.98																	
232	Arakkambakkam Tank	Villivakkam	Arakkambakkam	78.14		61.73	78.14	78.14	61.73	Bund Impt.	500															
										R C weir	1															
										Field channel	300															
233	Karalambakkam Tank	Villivakkam	Karalambakkam	96.36	23.00	51.68	119.36	159.36	11.68	Bund Impt.	1830															
										Repair-sluice																
										R C sluice	3															
										Repair-weir	1															
										Field channel	300															
234	Alathur Tank	Villivakkam	Alathur	104.25	57.67	63.41	161.92	201.92	23.41	Bund Impt.	2950															
										R C sluice	2															
										R C weir	1															
										Field channel	200															
235	Melpakkam Tank	Villivakkam	Melpakkam	46.56		32.59	46.56	46.56	32.59	Bund Impt.	1475															
										R C sluice	1															
										R C weir	1															
										Field channel	100															

236	Koilpathagai Chitheri	Villivakkam	Koilpathagai			82.59			82.59																	
				1469.91	**425.15**	**800.04**	**1895.06**	**2200.06**	**495.04**	Bund	22007															
										Sluice	18															
	CLUSTER - 33	-	-	-																						
237	Puthagaram	Villivakkam	Puthagaram			50.79			50.79	Bund Impt.	920															
										Field channel	100															
										Bund Impt.	670															
										S C Impt.	200															
										Field channel	100															
238	Pammadukulam pudhu thangal	Villivakkam	Pammadukulam	66.4	38.1	15.00	104.50	104.50	15.00																	
239	Pammadukulam Tank	Villivakkam	Pammadukulam	40.89		31.16	40.89	40.89	31.16																	
240	Vellanoor Tank	Villivakkam	Vellanoor	50.61		40.47	50.61	50.61	40.47	Bund Impt.	760															
										R C sluice	1															
										Field channel	100															
241	Arikiyambedu Tank	Villivakkam	Arikiyambedu																							
242	Madhavaram Tank	Villivakkam	Madhavaram	42.91	27.00		69.91	69.91																		
										Bund Impt.	850															
243	Thirumullaivoyal Tank	Villivakkam	Thirumullaivoyal							R C sluice	1															
										Field channel	200															
244	Ayyaneri Tank	Villivakkam	Ayyaneri	101.21			101.21	101.21		Bund Impt.	750															
										S C Impt.	1800															
										Field channel	100															
245	Pothur Tank	Villivakkam	Pothur	71.26		55.99	71.26	71.26	55.99	Bund Impt.	790															
										R C sluice	1															
										Field channel	200															

246	Vellanoor Big Tank	Villivakkam	Vellanoor	109.51	9.78	117.75	119.29	162.39	74.65																	
247	Vellanoor Chitheri	Villivakkam	Vellanoor	43.72		35.19	43.72	43.72	35.19	Bund Impt.	750															
										S C Impt.	1800															
										Field channel	100															
				526.51	**74.88**	**346.35**	**601.39**	**644.49**	**303.25**	Bund	5599															
										Sluice	5															
										Weir	1															
										Supply channel	3000															
										Field channel	3050															
	CLUSTER - 34	-	-	-																						
248	Padiyanallur Tank	Cholavaram	Padiyanallur	167.21	47.56	249.85	214.77	344.77	119.85	Bund Impt.	1845															
										R C sluice	2															
										Field channel	40															
249	Sothupakkam Tank	Cholavaram	Sothupakkam	91.26	10.00	45.46	101.26	101.26	45.46																	
250	Budhur Tank	Cholavaram	Budhur	95.53	65.39	6.36	160.92	160.92	6.36																	
251	Marambedu Tank	Cholavaram	Marambedu	44.32	34.59	--	78.91	78.91	--	Bund Impt.	1104															
										R C sluice	1															
										S C Impt.	1000															
										Field channel	200															
252	Arumanthai Tank	Cholavaram	Arumanthai	94.79	38.94	30.00	133.73	163.73	--																	
253	Perungavur Tank	Cholavaram	Perungavur	59.68	22.66	389.11	82.34	182.34	289.11																	

254	Ariyalur Tank	Puzhal	Ariyalur			56.67			56.67																		
255	Manjambakkam	Poonamalle	Manjambakkam			44.52			44.52																		
256	Mathur Tank	Puzhal	Mathur			80.55			80.55																		
				552.79	**219.14**	**902.52**	**771.93**	**1031.93**	**642.52**	Bund	15211																
										Sluice	6																
										Weir	3																
										Supply channel	7000																
										Field channel	1500																
	CLUSTER - 35	-	-	-																							
257	Thirunilai Tank	Cholavaram	Thirunilai	52.79	15.67	179.82	68.46	118.46	129.82	Bund Impt.	1939																
										R C sluice	1																
										R C weir	1																
										S C Impt.	1000																
										Field channel	400																
258	Vitchoor Tank	Cholavaram	Vitchoor	153.64	47.34	142.00	200.98	260.98	82.00	Bund Impt.	4026																
										R C sluice	1																
										R C weir	1																
										S C Impt.	1000																
										Field channel	300																
259	Periyamullaivoyal Tank	Cholavaram	Periyamullaivoyal	147.09	23.88	170.00	170.97	220.97	120.00	Bund Impt.	1708																
										R C sluice	1																
										S C Impt.	3000																
										Field channel	300																

260	Sembiyam Manali Tank	Puzhal	Sembiyam	86.86	90.43	190.88	177.29	368.17		Bund Impt.	2555															
										Repair-sluice																
										R C sluice	1															
										Repair-weir																
										R C weir	1															
										S C Impt.	1000															
										Field channel	300															
261	Vellivoyal Tank	Cholavaram	Vellivoyal	97.94	56.37	22.00	154.31	154.31	22.00	Bund Impt.	1677															
										R C sluice	2															
										R C weir																
										S C Impt.	1000															
										Field channel	200															
262	Kadapakkam Tank	Puzhal	Kadapakkam	169.61	35.74	116.00	205.35	205.35	116.00																	
263	Sadayankuppam	Puzhal	Sadayankuppam			168.96			168.96																	
264	Sendrambakkam	Puzhal	Sendrabakkam			52.82			52.82																	
265	Sirungavoor	Cholavaram	Sirungavoor			99.18			99.18	Bund Impt.	2286															
266	Melasingalimedu	Puzhal	Melasingalimedu			48.98			48.98																	
				707.93	**269.43**	**1190.64**	**977.36**	**1328.24**	**839.76**	Bund	12158															
										Sluice	11															
										Weir	4															
										Supply channel	27750															
										Field channel	2400															

	CLUSTER - 36	-	-	-																						
267	Vazhuthigaimedu Tank	Cholavaram	Vazhuthigaimedu	59.11	43.51	3.01	102.62	102.62	3.01	Bund Impt.	1650															
										R C sluice	1															
										S C Impt.	750															
										Field channel	200															
268	Gnayar Tank	Cholavaram	Gnayar	201.73	45.38	247	247.11	448.32	45.79	Bund Impt.	3441															
										R C sluice	2															
										R C weir	2															
										S C Impt.	6000															
										Field channel	700															
269	Nerkundram Tank	Cholavaram	Nerkundram	65.21	33.86	12	99.07	99.07	12	Bund Impt.	1187															
										R C sluice	2															
										R C weir	1															
										S C Impt.	4000															
										Field channel	200															
270	Agaram Tank	Minjur	Agaram	99.36	48.76	36.04	148.12	148.12	36.04	Bund Impt.	1800															
										S C Impt.	3000															
										Field channel	200															
				425.41	**171.51**	**298.05**	**596.92**	**798.13**	**96.84**	Bund	4740															
										Sluice	3															
										Supply channel	2000															
										Field channel	800															

	CLUSTER NO.37																									
271	Erumainaickankuppam Tank	Ellapuram	Ernakuppam	26.050	4.07	**11.080**	30.120	41.200		Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1200m 2 0 0 1 1000m 1 1															
272	Vengal Tank	Ellapuram	Vengal	104.710	6.000	**41.260**	110.710	130.710	21.26	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1600m 1 0 0 2 3600m 1 1															
273	Annathanakakkavakkam Tank	Ellapuram	Annathana Kakkavakkam	16.550	42.000	**33.345**	58.550	91.895		Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1710m 2 0 0 1 1500m 1 1															
274	Nalur Large Tank	Minjur	Nalur	115.98	72.000	**326.700**	187.980	354.510	160.17	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	2040m 5 0 0 2 1000m 1 -															
275	Nalur Small Tank	Minjur	Nalur	80.895	114.000	**18.810**	194.895	213.705		Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1100m 2 0 2 0 - 1 -															
276	Minjur Tank	Minjur	Minjur	8.425		**107.090**	8.425	8.425	107.09	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	2440m 1 0 0 1 - 1 -															
277	Kalpakkam Large Tank	Minjur	Kalpakkam	3.015	6.000	**104.820**	9.015	52.060	61.775	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1630m 2 1 0 1 - 1 -															
278	Kalpakkam Small Tank	Minjur																								

279	Thottakkadu Small Tank	Minjur	Thottakkadu	30.040		**112.995**	30.040	111.040	31.995	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	520m 0 0 0 0 - 1 -																
280	Thottakadu Large Tank	Minjur	Vannipakkam	69.760	29.300	**14.240**	99.060	107.500	5.8	-	520m 0 0 0 2 - 1 -																
281	Vellambakkam Large	Minjur	Vellambakkam	20.225	12.000	**61.250**	32.225	80.760	12.715	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1580m 1 2 0 2 - 2 -																
282	Vellambakkam Small	Minjur																									
283	Athipattu Tahngal	Minjur	Athipattu							Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1250m 0 0 0 1 - 1 -																
	Total			**475.650**	**285.370**	**831.590**	**761.020**	**1191.805**	**400.805**	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	15070M 16 3 2 13 7600M 11 4																

	CLUSTER NO.38																									
284	Merattur Tank	Minjur	Meratur	58.655	18.000	79.530	76.655	156.185		Bund Sluice Recon Sluice Repair Weir Recon Repair Sup.Channel Demarcation Culvert/ Inlet	1615m 2 0 0 1 - 1 -															
285	Thiruvellavoyal Large & Small	Minjur	Thiruvellavoyal	74.990	54.000	0.765	128.990	129.755		Bund Sluice Recon Sluice Repair Weir Recon Repair Sup.Channel Demarcation Culvert/ Inlet	2900m 1 1 0 1 - 2 -															
286	Kattur Tank	Minjur	Kattur	473.055		66.700	473.055	539.755		Bund Sluice Recon Sluice Repair Weir Recon Repair Sup.Channel Demarcation Culvert/ Inlet	5410m 2 3 0 1 4800m 1 -															
287	Thathamanji Tank	Minjur	Thathamanji	103.120	20.000	14.900	123.120	138.020		Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	4135m 2 4 1 0 5800m 1 -															
288	Hebiramapuram Tank	Minjur	Hebiramapuram	18.240		185.865	18.240	64.995	139.11	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1880m 1 0 0 1 - 1 -															
289	Voyalur Vairavan Thangal	Minjur	Voyalur	121.315	1.000	1.000	122.315	123.315		Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	865m 0 2 0 0 - 1 -															
290	Voyalur Peria Thamarai	Minjur	Voyalur	138.640	24.000	12.595	162.640	175.235		Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	4120m 2 2 0 1 - 1 -															

291	Voyalur Chinna Thamarai	Minjur	Voyalur			Joint				Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1005m 2 0 2 0 - 1 -																
292	Voyalur Mamanical	Minjur	Voyalur	231.185		141.775	231.185	278.575	94.385	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	3930m 3 2 0 1 900m 1 -																
293	Neithavoyal Large Tank	Minjur	Neithavoyal	210.810	88.540	55.160	299.350	351.310	3.21	-	-																
294	Neythavoyal Small Tank	Minjur	Neydavoyal			Joint				Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	1210m 1 0 0 1 - 1 -																
	Total			**1430.010**	**205.540**	**558.290**	1635.550	1957.145	**236.705**	Bund Sluice Recon Sluice Repair Weir Recon Weir Repair Sup.Channel Demarcation Culvert/ Inlet	27070m 16 14 3 7 11500M 11 -																
			Grand Total	**10842.43**	**3296.13**	**10592.96**	**14138.56**	**20093.73**	**4637.79**	**24731.52**																	
			VELLORE	**3176.24**	**4272.00**	**3076.52**	**7448.24**	**10075.71**	**472.91**	**10524.74**																	
			Thiruvallur	**10842.43**	**3296.13**	**10592.96**	**14138.56**	**20093.73**	**4637.79**	**24731.52**																	
			Grand Total	**14032.67**	**7568.13**	**13669.48**	**21600.80**	**30188.44**	**5110.70**	**35256.26**																	

CONVERGENT TABLE- ABSTRACT (FOR EACH CLUSTER)

Sl.No	Name of the cluster/ Infrastructure/ Village	Total Ayacut (Ha)			Total Area (Ha)				WRO		Agriculture		TNAU		Horticulture		Agri marketing		AED		Fisheries		Animal Husbandry	
		FI	PI	Gap	Wop	WP	Gap	Total	Activities	Nos	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha	Act	No./ Ha
1	**2**	3	4	5	6	7	8			9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	CLUSTER NO .1																							
1	Maruderi tank								Sluice reconstn	15 Nos														
2	Sumaithangi tank								Sluice repairs	10 Nos														
3	Jaderi	232.83	210.78	339.09	443.60	736.79	31.70	768.49	Weir repairs	15 Nos														
4	Bagaveli tank								Supply channel	18000m														
5	Valluvampakkam tank																							
6	Ponnappanthangal tank																							
7	Vangur Nagaleri tank																							
8	Govindacheri tank																							
9	Govindacherikuppam tank																							
10	Musiri tank																							
	CLUSTER NO .2																							
11	Mangalam big tank								Bund	9234m														
12	Mangalam chitteri								Sluice reconstruction	6 Nos														
13	Kilveeranam tank	146.48	195.41	141.49	341.90	463.45	19.94	483.39	Sluice repairs	11 Nos														
14	Kilveeranamthangal tank								Weir repairs	11 Nos														
15	Suriyakulam tank								Supply channel	12200m														
16	Vedanthangal tank																							
17	Banavaram tank																							
18	Karnavoor tank																							
	CLUSTER NO .3																							
19	Mahendravadi tank								Bund	13291m														
20	Irulan Odai tank								Sluice reconstruction	7 Nos														
21	Meenakshithangal tank								Sluice repairs	41 Nos														
22	Balakrishnapuram tank	172.17	214.26	181.84	386.43	544.83	23.44	568.27	Weir repairs	9 Nos														
23	Kattupakkam Paleri								Supply channel	23900m														
24	Munipillaithangal tank																							
25	Meleri																							
26	Velithangipuram tank																							
27	Arasankuppam tank																							
28	Nariyanthangal tank																							
29	Maliyamedu tank																							
30	Kattupakkam big tank																							

	CLUSTER NO .4																							
31	Kaveripakkam tank	797.77	1291.44	569.79	2089.21	2548.89	109.53	2659.00	Bund Sluice Repairs Weir repairs Supply channel Kondam repairs	6000 m 14 Nos 2 Nos 6000 m 3 Nos														
	CLUSTER NO .5																							
32	Alapakkam tank								Bund	7740m														
33	Sathuvanatham tank								Sluice reconstn	7 Nos														
34	Pudupattu big tank	150.92	177.59	169.53	328.51	477.51	20.54	498.04	Sluice repairs	11 Nos														
35	Pudupattuthangal tank								Weir repairs	7 Nos														
36	Pudur tank								Supply channel	20200m														
37	Upparanthangal tank																							
38	Gangadaranallur tank																							
39	Panniyur tank																							
	CLUSTER NO .6																							
40	Kilveethi chitteri								Bund	13810m														
41	Kilveethi big tank								Sluice reconstruction	10 Nos														
42	Peraperi tank								Sluice repairs	13 Nos														
43	Thuraiyur tank	297.67	362.79	322.07	660.46	942.00	40.53	982.53	Weir repairs	11 Nos														
44	Uliyanallur tank								Supply channel	25300m														
45	Konthankarai tank								Kondam repairs	1 No														
46	Vepperi chitteri																							
47	Vepperi big tank																							
48	Nemili tank																							
49	Kariyakudal tank																							
	CLUSTER NO .7																							
50	Thenmampakkam tank								Bund	16897 m														
51	Reddivalam tank								Sluice reconstruction	9 Nos														
52	Thennal tank	256.84	342.67	248.25	599.51	812.78	34.97	847.75	Sluice repairs	15 Nos														
53	Vettankulam tank								Weir repairs	9 Nos														
54	Punnai tank								Supply channel	22300m														
55	Zageerthandalam tank								Kondam repairs	2 Nos														
56	Velleri tank																							
57	Kilvenpakkam tank																							
58	Melvenpakkam tank																							
	CLUSTER NO .8																							
59	Sirukarumbur tank								Bund	18021 m														
60	Eralacheri tank	57.15	76.25	55.24	133.41	180.87	7.78	188.65	Sluice reconstruction	9 Nos														

	CLUSTER NO .9																							
61	Peruvlayam tank								Bund	15196 m														
62	Kalpalampattu Alanthangal								Sluice reconstruction	11 Nos														
63	Kalpalampattu Putheri	248.30	307.37	263.90	555.68	785.77	33.81	819.57	Sluice repairs	14 Nos														
64	Sivaramanthangal tank								Weir repairs	12 Nos														
65	Siruvalayam tank								Supply channel	26600 m														
66	Dharmaneethi tank								Kondam repairs	2 Nos														
67	Nangamangalam tank																							
68	Poigainallur Meleri																							
69	Poigainallur Periyathangal																							
70	Poigainallur Chinnathangal																							
71	Poigainallur Kilathangal																							
72	Panapakkam tank (NK)																							
	CLUSTER NO .10																							
73	Asanallikuppam tank								Bund	15573 m														
74	S.Kolathur tank								Sluice reconstruction	11 Nos														
75	Nelvoy tank	237.19	316.46	229.26	553.65	750.61	32.29	782.90	Sluice repairs	8 Nos														
76	Pallur big tank								Weir repairs	8 Nos														
77	Pallur Chitteri								Supply channel	19500 m														
78	Pallur Putheri								Kondam repairs	1 No														
	CLUSTER NO .11																							
79	Illupaithandalam tank								Bund	10663m														
80	Synapuram big tank								Sluice reconstruction	6 Nos														
81	Synapuram small tank	209.14	279.02	202.11	488.15	661.79	28.47	690.26	Sluice repairs	6 Nos														
82	Synapuramthangal tank								Weir repairs	5 Nos														
83	Attupakkam big tank								Supply channel	18500m														
84	Attupakkam small tank								Kondam repairs	1 No														
	CLUSTER NO .12								Bund	13592m														
85	Takkolam Kalleri								Sluice reconstruction	10 Nos														
86	Arigilpadi tank	186.44	248.72	183.08	435.17	591.84	26.40	618.24	Sluice repairs	7 Nos														
87	Thirumadulampakkam tank								Weir repairs	7 Nos														
88	Mangattucheri tank								Supply channel	14850m														
89	Pinnavaram tank								Kondam repairs	1 No														
90	Kadambanallur tank																							
91	Parameswaramangalam																							

	CLUSTER NO .13																								
92	Sendamangalam big tank								Bund	15201m															
93	Sendamangalam small tank								Sluice reconstruction	8 Nos															
94	Manavanthangal tank	183.33	249.25	170.87	432.58	578.57	24.88	603.45	Sluice repairs	10 Nos															
95	Ganapathipuram tank								Weir repairs	8 Nos															
96	Murungai tank								Supply channel	20700m															
97	Takkolam big tank								Kondam repairs	1 No															
98	Chittoor big tank																								
99	Chittoor small tank																								
		3176.24	**4272.00**	**3076.52**	**7448.24**	**10075.71**	**472.91**	**10510.54**																	

Sl. No.	Name of the cluster / infrastructure / Village	Total Ayacut (Ha)			Total Area (Ha)			WRD		Agriculture		TNAU		Horticulture		Agri marketing		AED		Fisheries		Animal Husbandry	
		FI	PI	Gap	Wop	WP	Gap	Activities	Nos.	Act	No./Ha	Act	No./Ha	Act	No./Ha	Act	No./Ha	Act	No./Ha	Act	No./Ha	Act	No./Ha
1	2	3	4	5	6	7	8	9		10	11	12	13	14	15	16	17	18	19	20	21	22	23
	CLUSTER 14																						
100	Periyakalakattur Big Tank							Bund	17510														
101	Periyakalakattur Chitheri							Sluice	15														
102	Villanthangal Tank							Weir	7														
103	Thozhudavur Tank							Supply channel	9500														
104	Orathur Tank	**916.91**		**1348.53**	**916.91**	**1828.835**	**436.61**	Field channel	3050														
105	Pakasalammal Tank																						
106	Chinnamandalai Big Tank																						
107	JS Ramapuram Chitheri																						
108	Kalamabakkam Big Tank																						
109	Manavur Hissa Tank																						
110	Pakasala Lakshmivilasapuram Tank																						
111	Poonangulam Tank																						
	CLUSTER - 15																						
112	Arumbakkam Kadaperi							Bund	10182														
113	Arumbakkam Tellacheru							Sluice	15														
114	Chakkaraallur Tank							Weir	7														
115	Ganesapuram Tank	**551.16**		**374.78**	**551.16**	**841.715**	**84.225**	Supply channel	7700														
116	Palayanur Tank							Field channel	2425														
117	Pulavanallur Tank																						
118	Harichandrapuram Tank																						
119	Jageermangalam Asaneri																						
120	Jageermangalam Big Tank																						
121	Jageermangalam Chitheri																						
122	Narthawada Tank																						

	CLUSTER 16																						
123	Gulawadi Tank							Sluice	14														
124	Gulawadi Pattrai Tank							Weir	5														
125	Tiruvalengadu Netteri	**103.885**		**72.535**	**103.885**	**160.805**	**15.615**	Supply channel	2														
	CLUSTER - 17																						
126	Ramankoil Tank							Bund	7681														
127	Sennavaram Tank							Sluice	6														
128	Panambakkam Big Tank							Weir	5														
129	Panambakkam Chitheri	**21.11**	**101.32**	**130.46**	**122.43**	**161.42**	**91.47**	Supply channel	6550														
130	Thenkaranai Tank							Field channel	500														
131	Thenkaranai Zeemaleri																						
	CLUSTER - 18																						
132	Kalaniyanur Big Tank							Bund	7244														
133	Kalaniyanur Chitheri							Sluice	14														
134	Nemili Agram Tank							Weir	6														
135	Melvilagam Tank	**176.005**	**130.39**	**286.02**	**306.395**	**572.415**	**20.00**	Supply channel	9100														
136	Vidaiyur Periya Eri							Field channel	1600														
137	Vidaiyur Chitheri																						
138	Venmanambudur Tank																						
	CLUSTER - 19																						
139	Pattraiperumbudur Tank							Bund	11646														
140	Manjakuppam Tank							Sluice	16														
141	Kunnavalam Tank							Weir	6														
142	Thirupatchur Tank	**179.50**	**202.67**	**371.37**	**382.17**	**753.54**		Supply channel	15600														
143	Kaivandur Tank							Field channel	1400														
144	Pandur Tank																						
	CLUSTER - 20																						
145	Rangapuram Tank							Bund	5023														
146	Krishnapuram Tank							Sluice	8														
147	Thirupair Matheri Tank							Weir	6														
148	Sendrayapalayam Tank	**24.15**	**294.75**	**84.15**	**318.90**	**403.05**		Supply channel	15000														
149	Nayapakkam Budheri							Field channel	700														
150	Nayapakkam Tank																						
151	Ariyathur Tank																						
152	Nambakkam Tank																						
	CLUSTER - 21																						
153	Ponnapattu Tank							Bund	4988														
154	Attrambakkam Tank							Sluice	10														

155	Neiyveli Tank	**56.20**	**174.46**	**72.69**	**230.66**	**303.35**		Weir	4															
156	Eraiyur Big Tank							Supply channel	8500															
157	Eraiyur Chitheri							Field channel	725															
	-																							
	CLUSTER - 22							Bund	13890															
158	Melanur Tank							Sluice	21															
159	Pinnapakkam Tank							Weir	9															
160	Chithampakkam Tank	**287.72**	**206.24**	**143.57**	**493.96**	**635.52**	**2.00**	Supply channel	15700															
161	Ramathandalam Tank							Field channel	1500															
162	Pullarambakkam Tank																							
	CLUSTER - 23																							
163	Ikkadu Kalayani Eri							Bund	20068															
164	Ikkadu Big Tank							Sluice	20															
165	Ikkadu New Tank							Weir	11															
166	Kakkalur	**396.79**	**69.14**	**466.30**	**465.93**	**822.22**	**110.01**	Supply channel	16000															
167	Perumbakkam																							
168	Kalambakkam							Field channel	2260															
169	Kalayanakuppam Kosavaneri																							
170	Kalayanakuppam Big Tank																							
171	Thandalam Big Tank																							
	CLUSTER - 24																							
172	Ayalur Mettuthangal							Bund	17911															
173	Ayalur Tank							Sluice	27															
174	Ayathur Thangal							Weir	9															
175	Perathur							Supply channel	18000															
176	Kilanur Tank	**428.45**	**31.46**	**446.47**	**459.91**	**883.36**	**23.02**	Field channel	2050															
177	Othikadu Tank																							
178	Sitrathur Tank																							
179	Veeragavapuram Tank																							
	CLUSTER - 25																							
180	Puliyur							Bund	10577															
181	Sivankoil	**429.39**	**20.00**	**299.09**	**449.39**	**733.48**	**15.00**	Sluice	8															
182	Vadhatur Tank							Weir	5															
183	Melakondaiyur Tank							Supply channel	10000															
								Field channel	1210															
	CLUSTER - 26							Bund	5974															
184	Pakkam Chitheri							Sluice	11															
185	Pakkam Tank	**208.665**		**297.99**	**208.665**	**341.44**	**165.02**	Weir	3															
186	Pakkam Thangal							Supply channel	9000															
187	Perumalpattu Budheri							Field channel	1000															
	CLUSTER - 27																							
188	Karikalavakkam Tank							Bund	8947															
189	Velliyur Big Tank							Sluice	9															

190	Vilapakkam Tank	**150.64**	**86.11**	**79.73**	**236.75**	**309.48**	**7.00**	Weir	5															
191	Vilapakkam Uranithangal							Supply channel	9000															
								Field channel	720															
	-																							
	CLUSTER - 28																							
192	Magral Tank							Bund	6553															
193	Magral Nadu thangal							Sluice	6															
194	Magral Vizhu thangal	**208.26**	**31.44**	**177.17**	**239.70**	**397.61**	**19.26**	Weir	5															
195	Thamaraipakkam Tank							Supply channel	8000															
196	Kommakkambedu Tank							Field channel	1300															
	CLUSTER - 29																							
197	Guruvoyal Tank							Bund	7342															
198	Karani Tank	**92.92**	**78.19**	**182.82**	**171.11**	**353.93**		Sluice	4															
199	Koduvelli panchanthangal							Weir	4															
200	Koduveli Tank							Supply channel	7000															
								Field channel	1100															
	-																							
	CLUSTER - 30							Bund	12722															
201	Athivakkam Tank							Sluice	8															
202	Alinjivakkam Tank							Weir	6															
203	Athingikavanoor Tank	**248.54**	**173.57**	**200.20**	**422.11**	**595.92**	**26.38**	Supply channel	20500															
204	Kilambakkam Tank							Field channel	2000															
205	Neiveli Tank																							
206	Poorivakkam Tank																							
207	Thirukandalam Tank																							
	CLUSTER - 31																							
208	Allukuli Tank							Bund Impt.	15637															
209	Devandavakkam Tank							R C sluice	20															
210	Kadirvedu Tank	**691.235**		**266.23**	**691.235**	**691.235**	**266.23**	Repair-weir	11															
211	Korrakkanathandalam Jaderi							R C weir	5															
212	Meyyur Vepperi							S C Impt.	11600															
213	Meyyur Large Tank							Field channel	1900															
214	Nelvoy Reddammaneri																							
215	Nelvoy Koppanthangal																							
216	Nelvoy Perieri and Chitheri																							
217	Odaippai Big Tank																							
218	Sembedu Puderi and Chitheri																							
219	Thimmaboopalapuram																							
220	Thimmaboopalapuram East Tank																							
221	Vellathukottai Tank																							
222	Vellathukottai Eracheruvu																							
	CLUSTER - 32							Bund	22007															
223	Koilpathagai Tank							Sluice	18															

224	Mittanamallee Tank																						
225	Vellacheri Tank																						
226	Kadavoor Tank	**1469.91**	**425.15**	**800.04**	**1895.06**	**2200.06**	**495.04**																
227	Palavedu Tank																						
228	Palavedu Thangal																						
229	Keelkondaiyur Tank																						
230	Pandeswaram Tank																						
231	Morai Tank																						
232	Arakkambakkam Tank																						
233	Karalambakkam Tank																						
234	Alathur Tank																						
235	Melpakkam Tank																						
236	Koilpathagai Chitheri																						
	CLUSTER - 33							Bund	5599														
237	Puthagaram							Bund	4740														
238	Pammadukulam pudhu thangal							Sluice	3														
239	Pammadukulam Tank							Weir															
240	Vellanoor Tank							Supply channel	2000														
241	Arikiyambedu																						
242	Madhavaram Tank	**425.41**	**171.51**	**298.05**	**596.92**	**798.13**	**96.84**	Field channel	800														
243	Thirumullaivoyal Tank																						
244	Ayyaneri Tank																						
245	Pothur Tank																						
246	Vellanoor Big Tank																						
247	Vellanoor Chitheri																						
	CLUSTER - 34																						
248	Padiyanallur Tank							Sluice	5														
249	Sothupakkam Tank	**526.51**	**74.88**	**346.35**	**601.39**	**644.49**	**303.25**	Weir	1														
250	Budhur Tank																						
251	Marambedu Tank							Supply channel	3000														
252	Arumanthai Tank																						
253	Perungavur Tank							Field channel	3050														
254	Ariyalur Tank																						
255	Manjambakkam Tank																						
256	Mathur Tank																						
	CLUSTER - 35							Bund	15211														
257	Thirunilai Tank							Sluice	6														
258	Vitchoor Tank							Weir	3														
259	Periyamullaivoyal Tank							Supply channel	7000														
260	Sembiyam Manali Tank							Field channel	1500														
261	Vellivoyal Tank																						
262	Kadapakkam Tank	**552.79**	**219.14**	**902.52**	**771.93**	**1031.93**	**642.52**																
263	Sadayankuppam																						
264	Sendrabakkam																						
265	Sirungavoor																						

266	Melasingalimedu																							
	CLUSTER - 36																							
267	Vazhuthigaimedu Tank							Bund	12158															
268	Gnayar Tank							Sluice	11															
269	Nerkundram Tank							Weir	4															
270	Agaram Tank	**707.93**	**269.43**	**1190.64**	**977.36**	**1328.24**	**839.76**	Supply channel	27750															
								Field channel	2400															
	CLUSTER - 37																							
271	Erumainaickankuppam Tank							Bund	15070															
272	Vengal Tank							Sluice (Rec.)	16															
273	Annathanakakkavakkam Tank							Sluice (Rep.)	3															
274	Nalur Large Tank							Weir Recon.	2															
275	Nalur Small Tank							Weir. Repair.	13															
276	Minjur Tank	**475.65**	**285.37**	**831.59**	**761.02**	**1191.805**	**400.81**	Supply.Ch.	7600															
277	Kalpakkam Large Tank							Demar.	11															
278	Kalpakkam Small Tank							Culvert/inlet	4															
279	Thottakkadu Small Tank																							
280	Thottakadu Large Tank																							
281	Vellambakkam Large																							
282	Vellambakkam Small																							
283	Athipattu Tahngal																							
	CLUSTER - 38																							
284	Merattur Tank							Bund	27070															
285	Thiruvellavoyal Large & Small							Sluice (Rec.)	16															
286	Kattur Tank							Sluice (Rep.)	14															
287	Thathamanji Tank							Weir Recon.	3															
288	Hebiramapuram Tank	1430.01	205.54	558.29	1635.55	1957.145	236.71	Weir. Repair.	7															
289	Voyalur Vairavan Thangal							Supply.Ch.	11500															
290	Voyalur Peria Thamarai							Demar.	11															
291	Voyalur Chinna Thamarai							Culvert/inlet	--															
292	Voyalur Mamanical																							
293	Neithavoyal Large Tank																							
294	Neythavoyal Small Tank																							
	GRAND TOTAL	**10842.43**	**3296.13**	**10592.96**	**14138.56**	**20093.73**	**4637.79**																	
	Vellore	**3176.24**	**4272.00**	**3076.52**	**7448.24**	**10075.71**	**472.91**	**10524.74**																
	Thiruvallur	**10842.43**	**3296.13**	**10592.96**	**14138.56**	**20093.73**	**4637.79**	**24731.52**																
	Grand Total	**14018.67**	**7568.13**	**13669.48**	**21586.80**	**30169.44**	**5110.70**	**35256.26**																

CHAPTER – 2

HYDROLOGY

1.2.1 GENRAL:

Kosasthalaiyar Sub basin is one of the eight sub basins in Chennai basin, which Bengal near Ennore area.

1.2.2 LOCATION:

The Kosasthalaiyar river orginates from Panapakkam reserve forest at D/s of Kaveripakkam Surplus Weir. In Tamil Nadu it flows through the following taluks namely Tiruttani Tiruvallur,Saidapet and Ponneri. It mingles with the Bay of Bengal near Ennore in Ponneri Taluk. The total length of the river from origin to the end is about 155Kms. The Nagari and nandhi rivers are the main tributaries to this river. The total area is 4273 sq.km. Out of this, 3242sq.km lies in Tamil Nadu. The Poondi reservoir with a capacity of 77.91 M cum (2.753 Mcft) has been built across the Kosasthalaiyar in 1945. Below the Poondi Regulators are the Tamaraipakkam Anicut constructed in 1879 and Vallur anicut in 1872 located before the river enter the Bay of Bengal near Ennore. The Cholavaram lake of capacity 25.15cum (888 Mcft) which is an irrigation source was later converted as a drinking water source in the year 1969. Apart fromits own catchment, Cholavaram Lake has its supply from the Thamaraipakkam anicut also. The Redhills lake, which was as Irrigation tank, was improved in various stages since 1870 for providing drinking water to Chennai city. The capacity of the Redhills Lake is 80.65M cum (2850 Mcft).

1.2.3 CATCHMENT AREA OF KOSASTHALAIYAR SUB BASIN:

The Catchment are of this Sub basin is 4273 Sqkm. This Sub basin received rain fall from North - East monsoon and South West Monsoon. There are 99 System tanks, 217 Non system tanks and 4 anicuts under the Control of WRO., PWD with a total registered ayacut of 37023.30 Ha.

1.2.4 HYDRO METEOROLOGY:

The Hydro Meteorology parameters include rain fall, temperature, humidity, wind velocity, evaporation and duration of sun shine which determine the climate of the basin.

1.2.5 RAIN FALL:

The total average annual rainfall is as follows.

Locations	South West	North West	Total (in mm)
Kesavaram	484	486	970

Poondi	601	600	1201
Thiruvallur	424	545	969
Tamaraipakkam	420	619	1039

Based on the rainfall the dependable rainfall as 50% and 75% indicates that both

monsoon periods offer good amount of rainfall to repienish the water resources in the basin.

SWM	NEM	Annual	SWM	NEM	Annual
393	579	1072	305	427	818

a. CLIMATE:

Generally subtropical climate prevails over the district. The temperature in the

plain has a minimum of 19.4C and a maximum of 35.7 C. The normal rainfall of Tiruvallur

district 1082.2mm from four seasons that is South West monsoon and North West monsoon

winter season and hot weather period. The hydrometeorological characteristics of the

Tiruvallur district incudes the rainfall, temperature, himidity, wind, sunshine and evaporation.

The climatological features of this basin has been analysed based on the Meteorological

data collected for the period from 1975 to 1990 from the Tiruttani weather station maintained

by P.W.D Ground Water Wing.

The weather station considered is furnished below

Name of the Weather Station	**Maintained by**
Tiruttani	P.W.D WRO (Ground Water)

The Tiruttani Elementary Watershed has been located near Tiruttani town of

Tiruttani taluk of Tiruvallur District, and lies between latitudes 13^0 00'00" and 13^0 14'00"

and longitude 79^0 28'00" and 79^0
37'00".

TEMPERATURE:

The meteorololgical features of the basin have been studied from the date collected

from Tiruttani weather station. Temperature is one of the factors under climatological features

and it is one of the main parameters to calculate the crop water requirement (i.e evapotrans

piration).

b. SOIL CLASSIFICATION:

Soil is regarded by the Geologist as the accumulation of loose weathered materials

which cover much of the land, surface of the earth to a depth ranging from a fraction of an

inch to many feet. Soil is essentially a mixture in varying proportions oforganic matter (Largely

vegetables) called humus and inorganic (mineral) particles derived by weathring from rock

materials. The agricultural production of a region depends upon the soils characteristics of

the terrain, knowledge about the type of soil, its extent and recurrences are of primary

importance for agricultural planning to maximize
production.

SOIL CLASSIFICATION:

A soil classification map based on the survey conducted by the soil survey and

land use organisation shows four different soils which are described below.

The four types
are

1	Clayey soil (Vertisoils)
2	Red sandy and Red loamy sol (Altisoils)
3	Red Sandy and Brown clayey soil (Inceptisols) and
4	Alluvial soil (Entisols)

CROPPING PATTERN

Name of the sub Basin	**: Kosathalaiyar**	Fully Irrigated	:	14018.67	Ha
Nodal District	: Thiruvallur	Partially Irrigated	:	7568.13	Ha
Registered Ayacut Area	35256.26 Ha.	Gap	:	13669.46	Ha
		Total Ayacut Area	:	**35256.26**	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	44.10	118.00	0	**162.10**	236.00	0	0	**236.00**	73.90
2	Mango	287.50	50.00	0	**337.50**	337.50	0	0	**337.50**	0.00
3	Rose	115.90	0	0	**115.90**	115.90	0	0	**115.90**	0.00
4	Tuberose	47.72	3.00	0	**50.72**	150.00	0	0	**150.00**	99.28
5	Fodder grass	4.00	12.00	0	**16.00**	29.00	0	0	**29.00**	13.00
	Total	**499.22**	**183.00**	**0.00**	**682.22**	**868.40**	**0.00**	**0.00**	**868.40**	**186.18**
II	**Annual Crop**									
1	Sugarcane	178.75	386.00	0	**564.75**	566.00	0	0	**566.00**	1.25
2	Banana	133.30	275.00	0	**408.30**	772.22	0	0	**772.22**	363.92
	Total	**312.05**	**661.00**	**0.00**	**973.05**	**1338.22**	**0.00**	**0.00**	**1338.22**	**365.17**
III	**1st crop**									
1. a	Paddy	10993.00	2771.13	0	**13764.13**	0	0	0	**0.00**	-13764.13
b	SRI	0	0	0	**0.00**	13600.00	0	0	**13600.00**	13600.00
2	Maize	0	55.00	0	**55.00**	685.00	0	0	**685.00**	630.00
3	Pulses	0	1385.00	1910.72	**3295.72**	4091.83	0	0	**4091.83**	796.11
4	Groundnut	461.35	2059.00	0	**2520.35**	3200.00	0	0	**3200.00**	679.65
5	Gingely	17.55	0	0	**17.55**	26.13	0	0	**26.13**	8.58
6	Fodder Cholam	1.00	11.00	0	**12.00**	25.00	0	0	**25.00**	13.00
7	Fodder maize	0	10.00	0	**10.00**	20.00	0	0	**20.00**	10.00
8	Tomato	0	3.00	0	**3.00**	423.00	0	0	**423.00**	420.00
9	Brinjal	343.43	130.00	0	**473.43**	1570.55	0	0	**1570.55**	1097.12
10	Bhendi	861.70	246.00	0	**1107.70**	2466.00	0	0	**2466.00**	1358.30
11	Chillies	218.41	22.00	0	**240.41**	883.00	0	0	**883.00**	642.59
12	Yam	0	10.00	0	**10.00**	249.00	0	0	**249.00**	239.00
13	Gourds	216.71	22.00	0	**238.71**	800.00	0	0	**800.00**	561.29
14	Buildings / others	0	0	5010.13	**5010.13**	0	0	5010.13	**5010.13**	0.00
15	Fallow	94.25	0	6748.61	**6842.86**	0	0	0	**0.00**	-6842.86
	Total	**13207.40**	**6724.13**	**13669.46**	**33600.99**	**28039.51**	**0.00**	**5010.13**	**33049.64**	**-241.35**
	Grand Total (I+II+III)	**14018.67**	**7568.13**	**13669.46**	**35256.26**	**30246.13**	**0.00**	**5010.13**	**35256.26**	**0.00**
IV	**2 nd crop**									
1.a	Paddy	9870.40	1358.78	0	**11229.18**	0.00	0	0	**0.00**	-11229.18

b	SRI	0	0	0	**0**	9820.00	0	0	**9820.00**	9820.00
2	Maize	0	160.00	0	**160.00**	610.00	0	0	**610.00**	450.00
3	Pulses	132.00	2090.00	0	**2222.00**	3918.17	0	0	**3918.17**	1696.17
4	Groundnut	247.50	2146.00	0	**2393.50**	4301.00	0	0	**4301.00**	1907.50
5	Gingely	16.00	0	0	**16.00**	293.87	0	0	**293.87**	277.87
6	Tomato	0	0	0	**0.00**	33.00	0	0	**33.00**	33.00
7	Brinjal	12.60	0	0	**12.60**	525.00	0	0	**525.00**	512.40
8	Bhendi	12.20	0	0	**12.20**	660.00	0	0	**660.00**	647.80
9	Chillies	15.09	0	0	**15.09**	516.00	0	0	**516.00**	500.91
10	Yam	0	0	0	**0.00**	66.00	0	0	**66.00**	66.00
11	Gourds	62.00	0	0	**62.00**	250.00	0	0	**250.00**	188.00
	Total	**10367.79**	**5754.78**	**0.00**	**16122.57**	**20993.04**	**0.00**	**0.00**	**20993.04**	**4870.47**
V	**3rd crop**									
1. a	Paddy	900.50	3993.02	0	**4893.52**	1850.00	0	0	**1850.00**	-3043.52
b	SRI	0	0	0	**0.00**	2990.00	0	0	**2990.00**	2990.00
2	Maize	0	155.00	0	**155.00**	280.00	0	0	**280.00**	125.00
3	Pulses	0	1375.00	0	**1375.00**	1900.00	0	0	**1900.00**	525.00
4	Groundnut	0	1040.00	0	**1040.00**	1710.00	0	0	**1710.00**	670.00
5	Tomato	0	0	0	**0.00**	30.00	0	0	**30.00**	30.00
6	Brinjal	0	0	0	**0.00**	205.00	0	0	**205.00**	205.00
7	Bhendi	0	0	0	**0.00**	170.00	0	0	**170.00**	170.00
8	Chillies	0	0	0	**0.00**	320.00	0	0	**320.00**	320.00
9	Yam	0	0	0	**0.00**	50.00	0	0	**50.00**	50.00
	Total	**900.50**	**6563.02**	**0.00**	**7463.52**	**9505.00**	**0.00**	**0.00**	**9505.00**	**2041.48**
	Great Grand Total	**25286.96**	**19885.93**	**13669.46**	**58842.35**	**60744.17**	**0.00**	**5010.13**	**65754.30**	**6911.95**
	Cropping Intensity				**133.55%**				**172.29%**	

KOSASTHALAIYAR SUB BASIN - CHENNAI BASIN

Crop Water requirement without Project - Thiruvallur & Vellore Districts

Sl. No.	Name of Crop	Area in Ha.	Crop water requirement in mm	Total Crop Water requirement in cm.	Irrigation water requirement at sources Eff = 43%
I.	**PERANNLAL CROPS**				
1	Coconut	162.10	1001	1.62	3.77
2	Mangao	337.5	402	1.36	3.16
3	Rose	115.9	509	0.59	1.37
4	Tuberose	50.72	509	0.26	0.6
5	Fodder	16.00	438	0.07	0.16
	Sub-Total	**682.22**	**2859**	**3.90**	**9.06**
II	**ANNUAL CROPS**				
1	Sugarcane	564.75	951	5.37	12.49
2	Banana	408.3	811	3.31	7.7
	Sub-Total	**973.05**	**1762**	**8.68**	**20.19**
III.	**Ist CROP (Sep. - Jan.)**				
1.a	Paddy	13764.13	612	84.24	195.9
1.b	Paddy - SRI		428	0.00	0.00
2	Groundnut	2520.35	467	11.77	27.37
3	Pulses	3295.72	300	9.89	22.99
4	Maize	55	329	0.18	0.42
5	Vegetables Guard	238.71	268	0.64	1.49
	Tomato	3	382	0.01	0.03
	Brinjal	473.43	464	2.2	5.11
	Bhendi	1107.7	462	5.12	11.9
	Yam	10	521	0.05	0.12
	Chillies	240.41	740	1.78	4.14
6	Fooder Cholam	12	300	0.04	0.08
7	Fodder Maize	10	386	0.04	0.09
8	Fallow	6842.86		0.00	0.00
9	Buildings / others	5010.13		0.00	0.00
10	Gingelly	17.55	64	0.01	0.03
	Sub-Total	33600.99	5723.00	115.97	269.67
	Grand Total (I + II + III)	**35256.26**	**10344.00**	**128.55**	**298.92**
IV.	**2nd Crop**				
1.a	Paddy	11229.18	231	25.94	60.32
1.b	Paddy - SRI		162	0.00	0.00
2	Groundnut	2393.5	467	11.18	25.99
3	Pulses	2222	382	8.49	19.74
4	Maize	160	382	0.61	1.42
5	Gingelly	16	64	0.01	0.02
5	Tomato		382	0.248	0.58
	Brinjal	12.6	464	0.06	
	Bhendi	12.2	462	0.06	0.14
	Yam		521	0.056	0.13
	Chillies	15.09	370	0.06	0.13

	Gourds	62	268	0.17	0.39
	Sub-Total	**16122.57**	**4155**	**46.56**	**108.29**
V	**3rd Crop**				
1.a	Paddy	4893.52	231	11.30	26.29
1.b	Paddy - SRI		162		
2	Groundnut	1040	467	4.86	11.29
3	Pulses	1375	382	5.25	12.22
4	Maize	155	382	0.59	1.38
5	Gingelly		64	0.00	0.00
6	Vegetables		400	0.00	0.00
	Tamato		382	0.00	0.00
	Brinjal		464	0.00	0.00
	Bhendi		462	0.00	0.00
	Yam		521	0.00	0.00
	Chillies		370	0.00	0.00
	Sub-Total	**7463.52**	**4287**	**22.01**	**51.18**
	Great Grand Total	**58842.35**	**18786**	**197.11**	**458.38**

KOSASTHALAIYAR SUB BASIN - CHENNAI BASIN

Crop Water requirement With Project - Thiruvallur and Vellore Districts

Sl. No.	Name of Crop	Area in Ha.	Crop water requirement in mm	Total Crop Water requirement in cm.	Irrigation water requirement at sources Eff = 53%
I.	PERANNLAL CROPS				
1	Coconut	236	1001	2.36	4.46
2	Mangao	337.5	402	1.36	2.56
3	Rose	115.9	509	0.59	1.11
4	Tuberose	150	509	0.76	1.44
5	Fodder Grass	29	438	0.13	0.24
	Sub-Total	**868.4**	**2859**	**5.20**	**9.81**
II	ANNUAL CROPS				
1	Sugarcane	566	951	5.38	10.16
2	Banana	772.22	811	6.26	11.82
	Sub-Total	**1338.22**	**1762**	**11.65**	**21.98**
III.	Ist CROP (Sep. - Jan.)				
1.a	Paddy		612	0.00	0.00
1.b	Paddy - SRI	13600	428	58.21	109.83
4	Groundnut	3200	467	14.94	28.20
3	Pulses	4091.83	300	12.28	23.16
2	Maize	685	3290	2.25	4.25
5	Vegetables Guards	800	268	2.14	4.05
	Tomato	423	382	1.62	3.05
	Brinjal	1570.55	464	7.29	13.75
	Bhendi	2466	462	11.39	21.50
	Yam	249	521	1.3	2.45
	Chillies	883	370	3.27	6.10

6	Fodder Cholam	25	300	0.08	0.14
7	Fodder Maize	20	386	0.08	0.15
8	Fallow			0.00	0.00
9	Buildings	5010.13		0.00	0.00
10	Gingelly	26.13	64	0.02	0.03
	Sub-Total	33049.64	5353.00	114.85	216.71
	Grand Total (I + II + III)	**35256.26**	**9974.00**	**131.70**	**248.49**
IV.	**2nd Crop**				
1.a	Paddy	0	231	0.00	0.00
1.b	Paddy - SRI	9820	162	15.91	30.02
3	Groundnut	4301	467	20.09	37.90
4	Pulses	3918.17	382	14.97	28.24
2	Maize	610	382	2.33	4.40
5	Gingelly	293.87	64	0.19	0.35
6	Tamato	33	382	0.13	0.24
	Brinjal	525	464	2.44	4.60
	Bhendi	660	462	3.05	5.75
	Yam	66	521	0.34	0.65
	Chillies	516	370	1.91	3.60
	Gourds	250	268	0.67	1.26
	Sub-Total	**20993.04**	**4155**	**62.01**	**117.01**
V	**3rd Crop**				
1.a	Paddy	1850	231	4.27	8.06
1.b	Paddy - SRI	2990	162	4.84	9.14
3	Groundnut	1710	467	7.99	15.07
4	Pulses	1900	382	7.26	13.69
2	Maize	280	64	1.07	2.02
5	Gingelly		268	0.00	0.00
6	Vegetables		382	0.00	0.00
	Tamato	30	464	0.11	0.22
	Brinjal	205	462	0.95	1.79
	Bhendi	170	521	0.79	1.48
	Yam	50	521	0.26	0.49
	Chillies	320	370	1.18	2.23
	Sub-Total	**9505**	**4155**	**28.73**	**54.20**
	Great Grand Total	**65754.30**	**18284**	**222.44**	**419.70**

KOSASTHALAIYAR SUB BASIN - CHENNAI BASIN

COMBINED WATER BALANCE STATEMENT

Water Potential Without Project

Suface Water Potential		306.03	Mcm
Ground Water Potential		565.81	Mcm
Total Potential		**871.84**	Mcm
Water Demand Project			
Domestic		45.00	Mcm
Livestock		47.69	Mcm
Industrial		319.00	Mcm
Irrigation	WRO	458.39	Mcm
	PU & GW	61.77	Mcm
Total Water Demand		**931.85**	Mcm
Water Balance		-60.00	Mcm

KOSASTHALAIYAR SUB BASIN - CHENNAI BASIN

COMBINED WATER BALANCE STATEMENT Thiruvallur

Water Potential With Project

Surce Water Potential		306.03	Mcm
Ground Water Potential		565.81	Mcm
Total Potential		**871.84**	Mcm
Water Demand with Project			
Domestic		45.00	Mcm
Livestock		47.69	Mcm
Industrial		319.00	Mcm
Irrigation	WRO	419.70	Mcm
	PU & GW	61.77	Mcm
Total Water Demand		**893.16**	Mcm
Water Balance		**-21.32**	Mcm

CHAPTER – 3

HYDRAULICS OF THE COMPONENTS

Kosasthalaiyar Sub Basin

Abstract of Tanks & Anicuts

Sl. No.	District	Taluk	Block	System Tanks		Nons System Tanks		Anicut / Reservoir		Supply channel	Total	
				Nos.	Ayacut (Ha)	Nos.	Ayacut (Ha)	Nos.	Ayacut (Ha)	Length in KM	Nos.	Ayacut (Ha)
1	Vellore	Walaja	Walaja	5	364.3	1	68.24	--	--	--	6	432.54
2	Vellore	Walaja	Sholingar	3	275	1	70.09	--	--	--	4	345.09
3	Vellore	Arakkonam	Kaveripakkam	26	4428.02	2	158.49	--	--	--	28	4586.51
4	Vellore	Arakkonam	Nemili	55	4704.87	6	455.73	--	--	--	61	5160.60
			Sub-Total	**89**	**9772.19**	**10**	**752.55**	**0**	**0**	**0**	**99**	**10524.74**
5	Tiruvallur	Thiruttani	Thiruvalangadu	--	--	26	3967.80	--	--	--	26	3967.80
6	Tiruvallur	Thiruvallur	Ekkadu	--	--	34	4688.59	--	--	--	34	4688.59
7	Tiruvallur	Thiruvallur	Kadambathur	--	--	8	879.85	--	--	5.00	8	879.85
8	Tiruvallur	Thiruvallur	Poondi	--	--	27	2907.82	1	--	10.00	28	2907.82
9	Tiruvallur	Uthukottai	Poondi	--	--	13	993.03	--	--	--	13	993.03
10	Tiruvallur	Uthukottai	Ellapuram	--	--	18	1873.37	1	--	--	19	1873.37
11	Tiruvallur	Ambatthur	Villivakkam	--	--	25	2634.52	--	--	--	25	2634.52
12	Tiruvallur	Ambatthur	Puzhal	--	--	6	611.57	--	--	18.20	6	611.57
13	Tiruvallur	Ponneri	Puzhal	--	--	1	48.98	--	--	--	1	48.98
14	Tiruvallur	Ambatthur	Poonamallee	--	--	1	44.52	--	--	--	1	44.52
15	Tiruvallur	Ponneri	Cholavaram	--	--	13	2045.06	--	--	--	13	2045.06
16	Tiruvallur	Ponneri	Minjur	2	677.78	21	3020.54	2	338.09	18.00	25	4036.41
			Sub-Total	**2**	**677.78**	**193**	**23715.65**	**4**	**338.09**	**51.20**	**199**	**24731.52**
			Grand Total	**91**	**10449.97**	**203**	**24468.20**	**4**	**338.09**	**51.20**	**298**	**35256.26**

LIST OF ANICUTS

Sl.No.	Tank	Vilage	Block	Taluk	District	Direct Ayacut in Ha.	Capacity m.cum.
1)	Poondi Reservoir	Poondi	Poondi	Thiruvallur	Thiruvallur		
2)	Edayanchavadi Anicut	Edayanchavadi	Minjur	Ambathur	Thiruvallur	338.09	
3)	Thamaraipakkam Anicut	Thamaraipakkam	Cholavaram	Ambathur	Thiruvallur		
4)	Vallur Anicut	Vallur	Minjur	Ambathur	Thiruvallur		

HYDRAULIC PARTICULARS

ANICUT

Sl. No.	Name of Anicut	Village	Ayacut (m)	Length of Anicut (m)	Crest level of Anicut (m)	Front 9m)	Free Sq.km.	Combined sq.km.	Maximum flood discharges cumecs / cumecs / cusecs	head sluice location	Vent (m)	Sill level sluice (m)	Discharge cumecs	Supply Channel					Remarks
														Length (m)	Bed width (m)	FSD (m)	Bed slolpe	Sluice	
1	Poondi Reservoir	Poondi		234.7	130	127		760	120000	--	--	--	--	--	--	--	--	--	No ayacut this reservoir fully augumentation of City Water supply
2	Edayanchavadi Anicut	Edayanchavadi	338.09	190	7.05	9.22	15.51	3075	56500	--	--	--	--	--	--	--	--	--	
3	Thamaraipakkam Anicut	Thamaraipakkam		190.9	22.14	26.2			125000	--	--	--	--	--	--	--	--	--	
4	Vallur Anicut	Vallur		184.9	4.74	7.94	49.1		60285	Left	1x52x1.52 2 No.			3.2					

2. HYDRAULIC PARTICULARS OF INFRASTRUCTURE INCLUDING SUPPLY CHANNELS

SYSTEM TANKS

Sl. No	Name of tank	Ayacut in Ha	Capacity in Mcft	Number of Fillings	Free catchment in SqKm	Combined Catchment in Sq.Km	Water spread area(Sq.Km)	FTL in M	MWL in M	No.of Sluices	Nos and Length of weir (m)		Discharge in Cusecs	Length of bund (M)	Length of Supply Channel (M)	Upper Tank	Lower Tank
											Nos	Length in m					
1	Maruderi tank	42.93	4.58	2	0.12	-	0.02	143.960	144.420	3	2	10.82, 9.53	4.58	747	1100	Mahendravadi channel off take	Sumaithangi tank
2	Sumaithangi tank	65.21	10.80	2	0.50	1.96	0.98	140.090	140.540	3	2	7.85	10.80	1813	2500	"	Jaderi
3	Jaderi	108.95	18.72	2	2.00	3.12	1.41	136.250	136.550	4	1	-	18.72	1859	1100	"	Kaveripakkam tank
4	Bagaveli tank	42.12	10.29	2	0.25	-	1.13	145.570	146.020	2	1	14.4	10.29	1859	1300	"	Jaderi
5	Valluvampakkam tank	95.99	33.26	2	0.25	-	1.54	143.000	143.160	4	2	18.82	38.26	1828	1200	"	Kaveripakkam tank
6	Ponnappanthangal tank	59.13	15.25	2	0.56	-	0.98	137.170	137.630	4	1	16.61	15.25	2499	1500	"	-
7	Vangur Nagaleri tank	12.96	1.90	2	0.12	-	0.07	134.290	134.890	2	1	3.96	1.90	853	1100	"	-
8	Govindacheri tank	202.91	48.79	2	2.00	4.90	1.05	128.210	128.670	6	2	47.24, 60.19	48.79	2956	2500	"	Mangalam big tank
9	Mangalam big tank	123.12	25.93	2	3.10	14.2	1.49	123.070	123.600	3	2	17.68, 60.19	25.90	1210	1100	"	MAHENDRAVADI CHANNEL
10	Mangalam chitteri	13.37	0.60	2	0.15	0.35	0.12	121.720	121.930	2	2	37.18, 19.12	0.60	1112	1200	"	"
11	Kilveeranam tank	56.30	24.47	2	0.75	-	0.59	121.580	121.750	2	1	6.76	24.47	1115	1100	"	-
12	Kilveeranamthangal tank	34.23	41.67	2	0.75	-	0.49	121.240	121.840	2	1	13.73	41.67	1567	1200	Kaveripakkam tank channel	Suriyakulam tank
13	Suriyakulam tank	25.52	32.63	2	0.25	1.00	0.39	122.650	123.110	2	1	13.87	32.63	571	1100	Kaveripakkam tank	Pudur tank
14	Maliyamedu tank	32.00	1.60	2	0.25	-	0.31	112.850	112.550	2	1	11.28	1.60	774	1200	Mahendravadi channel off take	MAHENDRAVADI TANK
15	Vedanthangal tank	33.21	10.27	2	2.00	4.75	0.09	119.220	119.880	2	2	25.97, 7.39	10.27	1480	2000	Kaveripakkam tank	Maliyamedu tank
16	Pudur tank	132.44	42.73	2	0.15	2.75	1.89	121.050	121.600	2	2	10.52, 10.36	42.72	1720	2500	"	Vedanthangal tank
17	Mahendravadi tank	173.79	181.30	2	3.00	38.25	3.06	110.390	111.300	6	2	91.44, 91.74	181.35	2135	5000	Mahendravadi main channel	Kilveethi chitteri
18	Irulan Odai tank	0.93	0.90	2	0.06	-	0.09	108.610	109.060	1	1	33.52	0.90	603	500	Mahendravadi channel off take	Meenakshithangal tank
19	Meenakshithangal tank	2.03	2.75	2	0.12	-	0.14	108.560	109.020	1	1	10.62	2.75	865	700	Irulan Odai tank	Balakrishnapuram tank
20	Balakrishnapuram tank	24.71	4.86	2	0.25	0.37	0.14	108.440	108.740	2	1	6.92	4.86	1348	2000	Meenakshithangal tank	Kattupakkam Paleri
21	Munipillaithangal tank	7.29	2.01	2	0.12	-	0.1	106.520	106.830	1	1	13.74	2.01	332	800	Kattupakkam Paleri	Meleri
22	Kattupakkam Paleri	21.47	6.02	2	0.50	0.87	0.28	107.980	108.440	2	1	4.36	6.02	1262	1300	Balakrishnapuram tank	Velithangipuram tank
23	Meleri	52.25	11.74	2	1.25	3.57	0.9	104.520	105.250	2	1	20.54	11.74	1066	2500	Mahendravadi channel off take	-

24	Velithangipuram tank	63.59	17.13	2	0.50	1.87	1.16	102.990	103.300	3	2	5.12	17.13	1255	2200	Mahendravadi channel off take	Arasankuppam tank
25	Arasankuppam tank	62.78	6.59	2	0.50	2.37	0.74	97.850	98.310	1	1	41.76	6.59	1762	2500	Velithangipuram tank	-
26	Nariyanthangal tank	52.65	4.78	2	1.50	6.75	0.44	102.720	103.220	2	1	-	4.78	1005	2200	Mahendravadi tank	perapperi tank
27	Kaveripakkam tank	2673.00	1179.00	2	12.00	49.00	15.74	137.700	137.700	10	2		1268.00	6000	6000	Kaveripakkam tank main channel	kaveripakkam tank surplus goes to panappakam and takkolam sections tanks
28	Panniyur tank	95.99	9.14	2	0.50	-	0.7	129.020	129.770	3	1	4.65	9.14	850	1500	Kaveripakkam tank	Pudur tank
29	Alapakkam tank	53.05	9.22	2	0.75	-	0.72	129.210	129.790	3	1	14.17	9.22	1300	1500	"	-
30	Sathuvanatham tank	69.94	14.04	2	0.75	-	0.7	121.730	122.480	2	1	10.9	14.04	734	1800	"	-
31	Pudupattu big tank	20.25	9.35	2	0.50	1.25	0.73	121.240	121.700	2	1	63.4	9.35	824	4000	"	Karnavoor tank
32	Pudupattuthangal tank	71.69	1.62	2	0.12	-	0.24	123.540	124.070	2	1	3.3	1.62	625	5000	"	Karnavoor tank
33	Karnavoor tank	94.77	32.98	2	1.25	3.25	0.14	114.390	114.840	3	2	6.9	32.98	1417	1500	"	-
34	Upparanthangal tank	14.18	2.89	2	0.12	-	0.14	133.050	133.500	3	1	4	11.00	560	1700	"	-
35	Gangadaranallur tank	40.50	10.98	2	0.75	0.87	0.56	130.550	130.870	2	2	28.09	10.98	1127	2200	"	Pudur tank
36	Kilveethi chitteri	148.17	11.4	2	-	-	-	95.730	96.190	2	1	20.00	-	1100	1200	Mahendravadi tank	poiney east main channel
37	Kilveethi big tank	177.32	71.04	2	-	-	-	96.350	96.960	3	2	96.00, 24.00	-	2250	1800	perapperi tank	Kilveethi chitteri
38	Peraperi tank	65.99	6.05	2	-	-	-	99.320	99.780	2	1	83.00	565	3500	5500	Mahendravadi tank	Kilveethi big tank
39	Thuraiyur tank	76.53	34	2	-	-	-	104.990	105.600	3	1	12.700	-	1188	1500	Kalpalampattu Putheri	Uliyanallur tank
40	Uliyanallur tank	233.66	78.18	2	-	-	0.43	104.170	104.630	3	2	14.60, 27.00	-	1676	3000	Peruvlayam tank	Kilveethi big tank
41	Konthankarai tank	43.33	8.85	2	-	-	0.07	100.060	100.520	2	1	27.50	284	1158	800	Vettangulam tank	Vepperi chitteri
42	Vepperi chitteri	12.53	4.8	2	-	-	0.05	98.570	98.990	2	1	7.50	195	488	800	Konthankarai tank	Vepperi big tank
43	Vepperi big tank	53.11	12.84	2	-	-	-	94.520	95.120	3	1	32.50	400	1768	1400	Konthankarai tank	Punnai tank
44	Nemili tank	97.97	3.58	2	-	-	-	95.050	95.510	2	1	6.70	170	1341	1500	Kaveripakkam tank surplus off take	Kariyakudal tank
45	Thenmampakkam tank	91.35	18.44	2	-	-	0.16	107.560	108.020	3	2	5.30, 28.50	-	1200	2300	Rettivalam tank supply channel off take	Zageerthandalam tank
46	Reddivalam tank	132.39	12.93	2	-	-	0.17	104.240	104.700	1	1	14.70	246	2377	5300	Kaveripakkam tank surplus off take	Thennal tank
47	Thennal tank	46.81	9.49	2	-	-	0.13	101.450	101.910	2	2	20.00, 14.00	236	1646	1600	Reddivalam tank	S.Kolathur tank
48	Vettankulam tank	96.23	37.75	2	-	-	0.24	102.890	103.350	4	2	16.30, 10.40	205	1524	1600	Kaveripakkam tank surplus off take	Punnai tank

49	Punnai tank	141.40	29.7	2	-	-	0.84	94.260	94.870	3	1	20.70	308	2286	1400	Vettankulam tank	Nemili tank
50	Zageerthandalam tank	179.13	27.49	2	2	4	0.05	104.210	104.830	4	1	31.00	-	2712	4000	Govidha vadi main channel off take	Kilvenpakkam tank
51	Velleri tank	14.05	3.25	2	-	-	0.05	103.430	103.740	1	1	37.00	-	1311	1000	Zageerthandalam tank	Kilvenpakkam tank
52	Kilvenpakkam tank	105.34	39.12	2	1	5.7	0.28	100.220	100.710	3	2	35.00, 24.50	611	2561	2000	Zageerthandalam tank	Tirumalpur tank
53	Melvenpakkam tank	41.05	8.29	2	0.5	-	0.116	103.110	103.500	3	1	6.00	-	1280	1600	Zageerthandalam tank	Kilvenpakkam tank
54	Sirukarumbur tank	172.46	8.55	2	-	-	-	124.440	124.950	2	1	27.00	318	1585	2500	Kaveripakkam tank	Karivedu tank
55	Eralacheri tank	16.19	3.5	2	-	-	-	123.200	123.660	1	1	7.00	178	671	2700	Kaveripakkam tank	Dharmaneethi tank
56	Peruvalayam tank	132.46	31.99	2	-	-	-	116.840	117.300	5	1	35.00	336	2469	3000	Kaveripakkam tank surplus off take	Siruvalayam tank
57	Kalpalampattu Alanthangal	57.77	6.71	2	-	-	0.05	114.180	114.640	3	1	9.00	-	853	1000	Peruvlayam tank	Kalpalampattu Putheri
58	Kalpalampattu Putheri	16.50	2.25	2	-	-	0.030	114.180	114.640	1	1	9.00	191	457	4200	Kaveripakkam tank surplus off take	Sivaramanthangal tank
59	Sivaramanthangal tank	5.91	0.78	2	-	-	-	111.820	112.120	1	1	15.00	165	762	800	Kalpalampattu Putheri	-
60	Siruvalayam tank	208.25	51.04	2	-	-	-	112.990	113.450	5	2	30.00, 19.00	-	1585	3000	Peruvlayam tank	Nariyanthangal tank
61	Dharmaneethi tank	76.36	14.17	2	-	-	-	118.200	118.660	3	1	10.00	40	1006	4500	Kaveripakkam tank surplus off take	Nangamangalam tank
62	Nangamangalam tank	107.69	27.18	2	0.75	5.25	0.230	115.250	115.700	2	2	14.50, 28.00	213	3200	4000	Govidha vadi main channel off take	-
63	Poigainallur Meleri	65.58	2.18	2	-	-	0.060	113.510	113.870	1	1	9.20	172	1433	3500	Govidha vadi main channel off take	Poigainallur Periyathangal
64	Poigainallur Periyathangal	45.34	12.20	2	0.14	-	0.270	111.420	111.800	1	1	17.00	169	975	1000	Poigainallur Meleri	Poigainallur Chinnathangal
65	Poigainallur Chinnathangal	8.50	4.50	2	0.13	0.25	0.090	112.170	112.270	1	1	4.00	-	126	1000	Poigainallur Periyathangal	Poigainallur Kilathangal
66	Poigainallur Kilathangal	14.57	4.75	2	-	-	0.050	112.750	113.050	1	1	15.00	168	1280	600	Poigainallur Chinnathangal	-
67	Asanallikuppam tank	223.67	26.05	2	3.24	3.24	0.58	99.640	100.250	3	1	14.64	9.74	2800	3500	Kaveripakkam tank surplus off take	Skolathur tank
68	S.Kolathur tank	122.02	30.35	2	2.59	5.83	0.25	97.420	98.870	3	2	13.42, 26.84	21.35	1707	9000	Asanallikuppam tank	Nelvoy tank
69	Nelvoy tank	130.37	23.52	2	3.89	13.73	0.76	95.100	95.700	3	2	17.68, 28.96	33.67	2560	4500	Thennal tank S kolathur tank	Pallur big tank
70	Pallur big tank	306.84	49.05	2	3.24	6.48	3.51	90.940	91.620	2	1	21.81	25.38	2684	6500	Govidha vadi main channel off take	Pallur Putheri

71	Pallur Chitteri		20.77	2	1.3	10.3	0.15	87.750	88.200	3	1	46.94	25.38	2317	1700	Pallur Putheri	Sendamangalam small tank
72	Pallur Putheri		26.00	2	3.26	9.07	0.26	90.550	91.080	1	1	44.76	25.38	1525	-	Pallur big tank	Pallur Chitteri
73	Illupaithandalam tank	126.44	23.05	2	2.49	2.59	1.45	85.800	86.410	2	1	20.28	17.75	2172	6150	Kaveripakkam tank surplus off take	Takkolam big tank Kadambanallur tank
74	Synapuram big tank	284.36	29.29	2	5.18	5.18	0.14	91.480	91.940	3	2	30.50, 5.06	18.18	2303	4500	Kaveripakkam tank surplus off take	Synapuram small tank
75	Synapuram small tank	87.87	3.48	2	1.3	1.3	0.17	91.120	91.570	2	1	14.60	7.50	1800	3200	Synapuram big tank	Attupakkam big tank
76	Sendamangalam big tank	5.42	8.71	2	0.73	3.29	0.14	86.540	86.940	2	1	18.76	13.68	1525	3200	Synapuram big tank	Sendamangalam small tank
77	Sendamangalam small tank	82.95	8.32	2	1.94	15.54	0.07	85.160	85.770	2	1	60.39	52.87	756	1200	Sendamangalam big tank	Ganapathipuram tank
78	Pinnavaram tank	74.84	14.76	2	2.59	11.66	0.57	85.590	86.050	2	1	45.75	34.50	1677	4200	Synapuram big tank	Parameswaramangalam tank
79	Takkolam big tank	173.82	45.50	2	1.94	17.79	0.15	77.890	78.340	4	1	30.65	15.69	3203	18000	Kaveripakkam tank surplus off take	River
80	Takkolam Kalleri	104.77	13.65	2	2.85	2.85	1.00	76.420	76.880	2	1	6.02	7.08	2412	4800	Illupaithandalam tank	River
81	Chittoor big tank	108.39	13.55	2	0.65	2.59	1.13	82.390	82.840	3	1	22.57	11.55	2074	3300	Manavanthangal tank	Chittoor small tank
82	Chittoor small tank	29.44	5.10	2	0.65	0.65	0.08	79.950	80.400	2	1	9.45	4.82	976	500	Chittoor big tank	Takkolam big tank
83	Attupakkam big tank	47.53	9.33	2	2.59	3.24	0.10	88.080	88.470	2	1	30.59	12.57	1617	6500	Synapuram small tank	Attupakkam small tank
84	Attupakkam small tank	95.50	4.95	2	0.52	5.54	0.20	86.340	86.690	1	1	45.80	17.81	1171	1200	Attupakkam big tank	Pinnavaram tank
85	Manavanthangal tank	26.30	2.01	2	0.65	1.94	0.12	82.930	83.390	2	1	18.22	12.18	1650	-	Parameswaramangalam	Chittoor big tank
86	Kadambanallur tank	117.81	8.20	2	0.65	0.65	0.13	79.120	79.570	3	1	9.15	4.67	2074	800	Illupaithandalam tank	Takkolam big tank
87	Ganapathipuram tank	120.95	8.10	2	5.18	27.4	1.12	83.980	84.590	2	1	50.78	44.46	2440	8800	Sendamangalam small tank	Murungai tank
88	Murungai tank	56.68	13.90	2	5.18	5.18	1.20	79.240	79.720	3	1	44.80	27.94	2577	8800	Ganapathipuram tank	Takkolam big tank
89	Parameswaramangalam tank	87.66	13.57	2	2.59	14.25	0.64	82.850	83.550	3	1	34.50	37.21	2379	6500	Pinnavaram tank	Manavanthangal tank
90	Kattur	539.755	32.984	2	1.450	1.450	1.466	3.840	4.300	5	1	-	378	5410	4800	-	-
91	Thathamanji	138.020	25.639	2	0.932	0.932	1.022	3.535	3.535	6	1			4135	5800		

NON SYSTEM TANKS

92	Govindacherikuppam tank	70.05	10.60	2	0.03	-	0.24	110.400	110.900	1	1	-	5.40	690	1200	Rain fed	-
93	Musiri tank	68.24	14.14	2	0.03	-	0.28	108.500	109.100	1	2	14.8	14.10	540	3000	Rain fed	-
94	Kattupakkam big tank	74.78	15.89	2	0.03	-	0.34	111.870	112.170	2	2	11.2	15.89	884	3000	Rain fed	Meleri
95	Banavaram tank	102.87	26.31	2	0.08	-	0.34	123.040	123.640	3	2	18.45	26.31	762	3000	Rain fed	MAHENDRAVADI CHANNEL
96	Panapakkam tank	80.64	10.36	2	-	-	-	100.000	100.460	2	1	14.00	-	1050	-	Rain fed	-
97	Kariyakudal tank	73.92	8.29	2	-	-	-			2	1	7.00	-	1300	2200	Rain fed	-
98	Synapuramthangal tank	48.56	8.55	2	0.65	0.65	0.07	30.000	30.600	2	1	6.5	8.30	1600	-	Rain fed	-
99	Arigilpadi tank	142.10	25.00	2	1.94	1.94	0.09	30.180	30.630	2	1	15.26	9.26	1695	4000	Rain fed	Thirumadulampakkam tank
100	Thirumadulampakkam tank	44.52	8.00	2	1.28	1.28	0.11	91.050	91.500	3	1	10.2	12.60	1730	1200	Arigilpadi tank	Mangattucheri tank
101	Mangattucheri tank	46.54	7.50	2	3.12	3.12	0.13	30.000	30.500	3	1	4.40	9.10	1625	3000	Takkolam Kalleri	Thirumadulampakkam tank
102	Periakalakkattur Big Tank	670.850	156.89	2	14.3	18.98	2.06	55.605	56.138	2	2	17.37&40.23	1784	1524			
103	Periakalakkattur Chitteri	53.320	8.23	2	3.1	3.10	0.30	30.000	30.450	1	2	5.60&16.80	450	1524		Rainfed	Periakalakattur Big Tank
104	Villanthangal Tank	44.530	3.99	2	1.55	1.55	0.11	31.690	32.300	2	1	4.88	198	671			Thozudhavur Tank
105	Thozudhavur Tank	171.230	6.57	2	1.19	11.06	0.28	54.600	55.210	3	2	30.48&3.96	1329	1920			Palayanur Thangal
106	Orathur Tank	240.720	8.48	2	2.74	11.86	0.40	50.650	57.100	2	1	28.00	1124	1798			Manavur Hissa Tank
107	J.S. Ramapuram Chitheri																
108	Kalambakkam Big Tank	58.940	3.50	2	3.76	3.78	0.20	30.480	31.090	1	1	18.90	641	1325		Rainfed	Coovam River
109	Manavur Hissa Tank	929.300	97.53	2	5.46	20.20	2.13	48.590	49.200	7	1	55.40	1847	4785		From Supply Channel	Korattalai River
110	Lakshmivilasapuram Tank	237.580	13.60	2	1.76	5.72	0.42	29.200	29.810	2	1	38.10	823	2256			Korattalai River
111	Ponnangulam Tank	71.700	1.24	2	1.32	1.32	0.07	50.000	50.600	3	1	12.00	371	1036			Manavur Hissa Tank
112	Chakramallur Tank	58.000	14.37	2	0.52	9.63	0.44	47.61	48.22	2	1	32.92	969	1342	500	Rainfed	Palayanur Tank
113	Ganesapuram Tank	67.430	11.72	2	3.96	6.73	0.29	30.8	31.18	2	1	24.38	915	854	900	Rainfed	Pulavanallur Tank
114	Palayanur Big Tank	220.470	34.26	2	11.71	84.12	0.85	44.55	45.01	2	2	55.17,66.45	4171	2225	3000	Rainfed	Kosasthalai River
115	Pulavanallur Tank	71.700	2.93	2	1.45	1.45	0.11	47.5	47.83	2	1	31.1	353	1158	1800	Ganesapuram	Palayanur Tank
116	Harichandrapuram Tank	96.200	13.77	2	1.81	17.61	0.37	30.48	31.09	2	1	51.82	1649	1250	1800	Rainfed	Palayanur Tank
117	Jageermangalam Big Tank	169.590	7.42	2	2.41	2.41	0.3	41.67	42.13	2	1	29.87	477	1981	1500	Rainfed	Narthawada Tank

118	Jageermangalam Chitteri		1.48	2	0.31	0.31	0.11	40.91	41.52	2	1	5.79	126	1372	1500	Rainfed	Jageermangalam bigtank
119	Gulawadi Tank	61.110	6.22	2	3.52	10.12	0.29	42.280	42.890	3	1	49.38	1065	914	1200		Gulawadi Pattrai
120	Gulawadi Pattrai Tank	67.430	2.05	2	1.32	12.28	0.07	39.890	40.500	1	1	37.18	1149	610	750	Gulawadi	Manjakuppam
121	Tiruvalangadu Netteri.	47.880	12.54	2	3.05	3.05	0.15	50.000	50.600	2	1	14.63	453	945	1200		Kusasthalai River
122	Ramankoil Tank	43.72	0.06		0.83	83.00	1.10	53.34	53.64	2	2	18.29, 6.40	6.88	1400	3000	Kosasth. river	Kosasth. river
123	Sennavaram Tank	153.89	0.13		0.98	0.98	0.30	30.48	30.78	2	1	19.80	5.52	1433		Rainfed	Kosasth. river
124	Panabakkam Big Tank	288.11	0.20		1.68	1.68	0.21	14.78	15.38	4	1	7.20	5.50	1829	3000	Veppamchattu	Venmanambudur
125	Panambakkam Chitheri	65.79	0.11		0.65	0.65	0.06	15.25	15.85	2	1	6.40	4.88	1160		Rainfed	Venmanambudur
126	Thenkaranai Tank	46.56	0.04		1.63	1.63	0.02	57.45	57.76	1	1	36.58	10.91	1097		Rainfed	Senji
127	Thenkaranai Zeemaleri		0.04	.	1.94	1.94	0.02	57.00	57.45	1	1	10.97	5.61	762		Rainfed	Senji
128	Kalaniyanur Big Tank	72.87	0.04			1.11	0.02	30.18	30.48	4	1	14.33	12.12	1402	1500	Kosasth. river	Melvilagam
129	Kalaniyanur Chitheri	48.58	0.08				0.05	31.93	32.89	2	1	19.00	16.46	1200	1000	Kosasth. river	Melvilagam
130	Nemili Agram Tank	90.69	0.16			1.30		49.38	49.68	2	1	42.06	11.09	950	1000	Kosasth. river	Pandur
131	Melvilagam Tank	121.05	0.24			0.93	0.29	15.24	15.54	2	1	33.28	32.89	800		Kaliyanur	Kosasthalaiyar
132	Vidaiyur Periya Eri	187.45	2.02		1.58	1.58	0.93	51.88	52.04	2	1	27.40	11.59	2280	1500	Kosasth. river	Nemiagaram
133	Vidaiyur Periya Eri																
134	Venmanambudur Tank	94.33	0.20		3.37	4.22	0.32	49.59	49.90	3	1	121.90	50.42	594	2000	Panambakkam	Karani
135	Pattraiperumbudur Tank	264.78	0.99			2.12		45.93	46.47	4	1	18.82	14.45	2728	3000	Kosasth. river	Poondi Tank
136	Manjakuppam Tank	86.23	0.52			2.59	0.72	30.48	30.78	2	1	15.09	4.33	1200	2000	Gudalwadi	Narthawada Tank
137	Kunnavalam Tank	43.72	0.31			2.07	0.22	8.53	8.99	2	1	21.79	26.78	832	1500	Rainfed	Kosasthalaiyar
138	Thirupatchur Tank	364..37	1.16		3.76	8.55	0.70	30.48	30.94	10	2	30.78,32.92	32.59	4115	2000	Vidaiyur Channel	Ekkadu
139	Kaivandur Tank	125.91	0.37		1.94	1.94	0.64	45.24	45.84	3	1	10.21	16.32	2986	2500	Karani	Poondi Tank
140	Rangapuram Tank	44.53	0.26		2.10	4.71	0.15	15.85	16.46	1	1	13.87	10.92	701	1000	Nambakkam	Kosasthalaiyar
141	Krishnapuram Tank	45.15	0.08		0.91	0.91	0.10	29.87	30.33	2	1	17.67	9.04	661	2000	Nambakkam	Kosasthalaiyar
142	Thirupair Matheri Tank	30.36	0.11		2.25	2.25	0.10	22.86	23.21	1	1	28.94	22.79	661	1000	Rainfed	
143	Sendrayapalayam Tank	141.3	0.54		5.72	6.32	0.38	28.88	29.34	1	1	48.00	24.56	661	1000	Thomour	Poondi Tank
144	Nayapakkam Budheri	65.58	0.15		2.33	2.33	0.13	24.84	25.30	1	1	27.45	14.05	875		Rainfed	Kosasthalaiyar

145	Nayapakkam Chitheri																
146	Ariyathur Tank	43.32	0.10		0.98	0.98	0.10	59.85	60.38	2	1	16.46	8.42	1080	1000	Rainfed	Kosasthalaiyar
147	Ponnapattu Tank	45.75	0.10		0.88	0.88	0.12	37.64	37.94	2	1	11.89	3.31	1188	1000	Rainfed	Kosasthalaiyar
148	Attrambakkam Tank	58.30	0.13		0.73	1.17	0.10	60.81	61.11	2	1	34.14	0.11	1205	2000	Krishnapuram	Kosasthalaiyar
149	Eraiyur Big Tank	57.89	0.10		3.89	3.89	0.06	13.72	14.32	3	1	24.50	5.88	1372	1000	Ramathandalam	Kosasthalaiyar
150	Eraiyur Chitheri	40.62	0.09		3.80	3.80	0.08	13.72	14.32	3	1	36.00	8.65	1372	1500	Ramathandalam	Kosasthalaiyar
151	Melanur Tank	107.96	0.14		1.74	1.74	0.27	24.79	25.09	4	1	28.40	2.41	1707	3000	Othikkadu	Baby canal
152	Pinnapakkam Tank	121.41	0.14		15.02		0.36	38.28	38.81	2	2	85.70, 45.72	16.84	3383	4000	Movur	Othikkadu
153	Chithapakkam Tank	162.75	0.37		9.40	9.40	0.56	35.60	36.03	6	2	45, 30	11.70	3536	1500	Ramathandalam	Kosasthalaiyar
154	Ramathandalam Tank	93.12	0.16		2.46	2.46	0.95	36.75	37.05	5	2	73.15,8.2	21.52	1500	2500	Pinnapakkam	Kosasthalaiyar
155	Pullarambakkam Tank	319.43	1.75		4.01	4.01	1.18	41.63	42.09	9	2	6.1,18.3	3.81	3749	2500	Siruvanur	Ekkadu
156	Ikkadu Kalayani Eri	141.24	0.12		3.91	3.91	0.21	36.42	36.80	2	1	60.96	7.23	1583	2000	Kalyanakuppam	Sittrathur
157	Ikkadu Big Tank	247.27	0.89		6.00	6.00	0.85	39.62	40.09	4	1	46.33	7.23	2591	1000	Pullarambakkam	Pinnapakkam
158	Ikkadu New Tank	247.27	0.89		5.62	5.62	0.41	39.19	39.80	1	1	18.44	8.02	2194		Pullarambakkam	Pinnapakkam
159	Kakkalur	177.71	1.29		3.96	3.96	1.26	41.01	41.61	4	2	20.88,30	5.01	2682	3000	Cooum River	Thanneerkulam
160	Kalambakkam	134.76	0.23		2.72	2.72	0.39	29.57	30.18	3	1	17.37	4.17	1707	2000	Thanneerkulam	Perathur
161	Kalayanakuppam Kos.	258.00	0.14		0.85	0.85	0.23	37.06	37.37	3	1	21.34	1.81	2591		Ekkadu Big	Sittrathur
162	Kalayanakuppam	258.00	0.15		1.06	1.06	0.24	37.73	38.04	2	1	22.86	1.81	1768	2000	Ekkadu Big	Sittrathur
163	Thandalam Big Tank	101.98	0.47		0.70		0.71	37.82	38.12	2	1	11.60	5.92	4877	3000	Thanneerkulam	Veeragavapuram
164	Ayalur Mettuthangal	50.80	0.11		0.85	0.85	0.20	32.43	32.78	2	1	31.40	2.67	518	1000	Ayalur Tank	Vadhatur
165	Ayalur Tank	53.82	0.04		2.90	2.90	0.81	33.38	33.83	4	1	33.53	5.23	2134	3000	Kalambakkam	Ayalur Mettuthangal
166	Ayathur Thangal	67.73	0.17		9.58	9.58	0.49	35.07	35.68	2	1	59.47	14.28	1524	3000	Tirur Hissa	Sivanvoyal
167	Perathur	148.12	0.37		2.02	2.02	1.00	30.80	31.41	7	1	15.30	2.93	3505	2000	Veerapuram	Vadhatur
168	Kilanur Tank	174.02	1.03		8.62	8.62	1.00	33.99	35.29	5	2	23.65,57.8	6.92	1981	4000	Othikkadu	Perathur
169	Othikadu Tank	106.43	0.34		2.67	2.67	0.64	35.88	36.49	4	1	75.00	19.85	2835	2000	Pinnapakkam	Kilanur
170	Sitrathur Tank	88.63	0.32		2.28		0.55	34.20	34.66	2	1	32.80	13.00	1920	1500	Kalyanakuppam	Perathur
171	Veeragavapuram Tank	130.19	0.12		0.63		0.58	24.64	25.25	3	1	26.55	6.38	2286	1500	Thandalam	Vadhatur

172	Sivanvoyal	110.08	0.66		5.57	5.57	0.72	32.00	32.40	3	1	50.60	9.11	3170	3000	Ayathur	Melakondaiyar
173	Puliyur	208.01	0.60		12.30	12.30	0.62	30.50	31.03	2	1	64.97	33.28	3536	3000	Tirur Hissa	Bandikavanur
174	Vadhatur Tank	248.08	1.15		17.64		1.47	29.89	30.50	5	2	39.00,20.30	14.24	2952	2000	Perathur	Kattangal Channel
175	Melakondaiyur Tank	103.20	0.38			2.95	0.41	15.86	16.47	3	1	20.50	4.92	1280	2000	Sivanvoyal	Kommakkambedu
176	Pakkam Chitheri	631.32	0.38		1.81	1.81	0.46	15.25	15.55	3	1	10.10	0.86	2103	2000	Pakkam Big	Alathur
177	Pakkam Tank	133.12	1.87		15.02	15.02	1.21	14.23	14.84	5	1	89.61	21.52	2591	5000	Thirunindravour	Pakkam thangal
178	Pakkam Thangal	141.24	0.47		2.95	2.95	0.38	15.09	15.54	3	1	65.14	10.14	1280	2000	Pakkam Big	Alathur
179	Karikalavakkam Tank	226.00	0.46		0.80	0.80	0.35	29.87	30.48	5	2	14.63,82.6	23.35	3536	2000	Kinalur	Velliyur
180	Velliyur Big Tank	325.37	1.17		2.20		0.27	28.48	28.94	4	2	22.73,28.85	8.05	3231	3000	Karikalavakkam	Kattangal Channel
181	Vilambakkam Tank	51.29	0.15		1.53		0.69	31.18	31.49	2	1	14.00	1.18	1080	1000	Rainfed	Baby canal
182	Vilambakkam Uranithangal	51.29	0.15		1.53		0.65	31.18	31.49	2	1	15.00	1.18	1100	3000	Rainfed	Baby canal
183	Magral Tank	55.85	0.29			1.48	0.12	25.30	25.76	2	1	51.70	4.76	640		Komakkambedu	Karani
184	Magral Nadu thangal	74.06	0.40			1.50	0.69	26.49	26.82	2	1	51.80	5.43	1524		Komakkambedu	Karani
185	Magral Vizhu thangal	72.04	0.47				0.13	24.16	24.62	2	1	73.46	11.46	549		Komakkambedu	Karani
186	Thamaraipakkam Tank	228.60	0.68			5.59	0.95	14.63	15.03	5	1	73.15	13.50	2499	2000	Velliyur	Kattangal Channel
187	Kommakkambedu Tank	131.91	0.38			2.31	0.53	15.85	16.46	3	1	47.85	11.49	13.4		Melakondaiyar	Magral
188	Guruvoyal Tank	98.79	0.07			0.65	0.17	28.69	28.99	2	1	37.00	8.79	1585	1500	Kattangal chan.	Kattangal chan.
189	Karani Tank	99.96	0.30			0.70	0.44	24.77	25.22	2	1	48.77	7.61	2528		Magral Vizhu	Koduveli
190	Koduvelli panchanthangal	40.41	0.04			3.13	0.29	23.47	23.93	1	1	26.82	4.19	472	1000	Rainfed	Buchikal Bealing
191	Koduveli Tank	110.08	0.44			2.59	0.57	22.98	23.44	4	1	45.72	7.13	2757		Pandeswaram	Buchikal Bealing
192	Athivakkam Tank	74.76	0.20			1.30	0.25	14.78	15.24	3	1	27.74	4.33	1285	2000	Athupakkam	Kannigaipair
193	Alinjivakkam Tank	49.78	0.11			1.42	0.05	21.89	22.38	3	1	65.84	10.27	1458	3000	Athingakavanur	Thirukandalam
194	Athingikavanoor Tank	74.76	0.28			5.10	0.41	24.80	25.25	3	2	42.00,70.00	3.00	1052	5000	Sembedu	Aljinjivakkam
195	Kilambakkam Tank	122.67	0.23			2.72	0.39	29.57	30.18	3	1	26.80	4.17	1707		Athingakavanur	Poorivakkam
196	Neiveli Tank		0.01		0.28	0.28	0.03	18.90	19.35	1	1	27.70	14.18	457		Rainfed	Kosasthalaiyar
197	Poorivakkam Tank	157.20	0.43			2.98	0.63	14.94	15.54	4	2	15.00,37.00	13.18	1929		Kilambakkam	Kannigaipair
198	Thirukandalam Tank	112.91	1.39			2.33	1.43	20.39	21.00	3	2	22, 67	11.38	3541	3000	Alinjivakkam	Neiveli

199	Koilpathagai Tank	215.79	80.51	2	1.54	1.58	6.11	24.91	25.53	3	1	30	487	2100		Mittnamallee	
200	Mittanamallee Tank	72.06	9.89	2		2.67	1.15	27.58	28.04	3	1	27	499	1372		Kovilpathagai	
201	Palavedu Thangal	251.82	2.11	2	0.14	0.55	1.46	27.53	27.96	3	1	16.2	294	1480			
202	Pandeswaram	170.85	18	2	0.49	0.74	5.24	25.37	25.68	3	1	50	1275	2450			
203	Arakambakkam	78.14	1.06	2	0.1	0.22	0.34	23.08	23.54	2	1	24.68	462	1140			
204	Karlapakkam	96.36	33.19	2	2.38	9.76	18.83	14.69	15.3	5	1	50.5	1281	1830			
205	Melpakkam	46.56	3.18	2	1.72	2.01	0.72	24.54	24.84	3	1	30.48	494	1475			
206	Kadhavoor Tank	41.3	39.19	2	0.14		0.72	25.29	25.75	3	1	13.1	272	1280			
207	Vellacheri Tank	104.05	1.77	2	0.14	1.14	0.28	25.8	26.1	1	2	64.5	988	1950			
208	Alathur	154.25	25.78	2	4.79	10.23	21.24	28.65	29.26	4	1	40	657	2950			
209	Keelkondaiyur	131.17	3.53	2	0.09	0.26	0.63	26.52	27.27	3	1	27.6	512	2980			
210	Padiyanallur	267.21	28.96	2	3.75	6.85	1.2	30.23	30.37	5	2	38.7	844.03	1845		Cholavaram	Sothupakkam
211	Marambedu	44.32	8.1	2	0.51	0.54	0.86	10.83	11.29	2	1	3606	650	1104			
212	Perungavoor	259.68	25.78	2	0.68	0.68	1.01	9.72	10.19	4	2	18.3	423.07	2650		--	--
213	Gnayar Tank	40.173	32.49	2	0.78	1.1	0.98	10.99	11.45	8	4	60.9	1315.84	3441			
214	Vellivoyal Tank	97.94	5.65	2	1.12	1.12	1.36	9.25	9.7	2	2	27.5	759.98	1677			
215	Agram Tank	99.36	3.53	2	0.57	0.57	0.41	10	10.45	3	1	15.65	260.1	1800			
216	Vazhuthigaimbedu	59.11	2.47	2	1.12	1.12	1.02	11.01	11.32	2	1	60	454.86	1650			
217	Periyamullaivoyal	197.09	29.17	2	2.1	2.096		12.03	12.51	3	1	34.5	674.87				
218	Nerkundram Tank	65.21	2.12	2	1.06	1.06	0.91	12.75	13.06	3	2	21.35	386.7	1189			
219	Sirungavour	99.18	5.9	2	0.1	0.1	0.1	9.18	9.49	2	1	9.4	194.94	2286			
220	Vitchur Tank	313.64	10.36	2	1.16	2.11	0.98	9.15	9.43	3	2	14.03	270.1	4026			
221	Thirunilai Tank	102.79	4.57	2				8.89	9.34	4	1	13.2	261.33	1939			
222	Sendrambakkam	52.82	5.65	2	0.76	0.76	0.26			2	1	7.62	185	1100			
223	Sembiyam Manali	236.86	9.18	2	0.61	2.910	2.59	30.32	30.78	3	2	60.96	1909.84	2555			
224	Pammadhukulam Big Tank	40.89	8.12	2	0.41	0.68	1.03	17.83	18.28	2	1	32.08	227.43	920		Pammdhu	Redhills
225	Pammadhukulam thangal	66.4	4.24	2	0.25	0.25	0.15	25.04	25.49	1	1	27.58	195.53	670			

226	Vellanoor Big Tank	159.51	22.6	2	5.05	5.05	4.89	12.8	13.41	2	1	45.72	324.13	760		Vellanur small	
227	Vellanur Small Tank	43.72	6.19	2	0.48	1.04	0.68	13.75	14.2	2	1	19.6	138.95	850			Vellanur Big Tank
228	Vellanoor Kandigai	50.61	5.17	2	0.62	0.98	0.71	11.74	12.84	1	1	30	212.68	750			
229	Pothur Tank	71.26	11.65	2	0.31	0.31	1.11	20.52	20.97	2	1	28.65	203.13	790			Redhills
230	Allikuli Tank	88.74	219.30		1.52		0.20	28.90	29.51	1	1	36.30	706.30	725	1500		
231	Devandavakkam Tank	48.98	4.55		2.30		0.16	54.05	50.45	2	1	17.50	600.35	1097	800		
232	Kadervedu Tank	54.65	5.21		0.77		0.34	28.90	29.21	2	1	24.80	282.52	1010	200		
233	Korrakkantha. jad.	40.56	3.27		2.25		0.16	31.24	40.60	1	1	32.00	847.56	905	1200		
234	Meyyur Large Tank	94.96	9.97		1.59		0.26	29.57	30.03	2	1	17.10	600.35	1190	700		
235	Nelvoy Reddammaneri	120.34			5.76		0.39	15.85	16.46	2	1	40.00	459.10	2410	600		
236	Nelvoy Koppanthangal	56.66	4.78	1	7.12		0.27	30.00	30.60	1	1	9.10	317.85	914	500		
237	Nelvoy Perieri and Chiteri	40.59	7.12	1	3.58		0.32	30.48	30.97	1	1	10.70	423.78	1100	2800		
238	Odaippai Big Tank	75.27	7.60	1	5.84		0.16	20.00	20.60	2	1	15.00	423.78	1000	700		
239	Sembedu Puderi and Chitheri	163.33	14.16	1	3.28		0.40	15.85	14.49	2	2	25.20	706.30	1100	1000		
240	Thimmaboopalapuram	89.03	6.79	1	6.40		0.27	30.48	30.95	1	1	38.40	459.09	980	1700		
241	Thimmaboopalapuram East Tank	59.05	7.24	1	5.15		0.29	30.50	31.10	3	1	32.90	565.04	1465	700		
242	Vellathukottai Eracheruvu	102.97	4.72	1	1.69		0.36	15.24	15.85	2	2	39.70	741.62	1646	600		
243	Erumainaickankuppam Tank	41.200	6.180	1	0.52	0.52	0.32	23.600	26.060	2	1	18.30	211.89	1200	1000	Vengal Tank	Mambakkam Tank
244	Vengal Tank	151.970	33.880	1			2.05	30.170	30.800	2	2	9.50 21.20	529.73	1600	3600	-	Erumainaickankuppam Tank
245	Annathanakakkavakkam Tank	91.895	15.250	1	1.94	13.33	0.62	17.850	18.310	2	1	64.00	1059.45	1710	1500	Kannigaipair Tank	Manjankaranai Small Tank
246	Nalur large	514.680	4.591	2	2.589	3.236	0.284	7.055	7.440	5	1	59.75	717	2040	1000	Vannipakkam Small	Nalur small
247	Nalur small	213.705	0.918	2	1.295	4.531	0.083	5.410	5.715	2	2	32.00 & 30.50	904	1100		Nalur Large	Kalpakkam large
248	Minjur	115.510	13.561	2	4.194	4.194	0.384	15.240	15.390	4	2	35.20 & 266.40	725	2440		-	-
249	Kalpakkam large	113.835	10.983	2	2.123	7.197	0.601	4.680	5.135	3	1	53.80	1080	1630		Nalur Small	Neidavoyal large
250	Kalpakkam small																
251	Thottakadu small	143.035	0.918	2	0.337	0.337		5.335	5.640		1	24.38	160	520		-	Voyalur chjnna thamarai
252	Vellambakkam large	93.475	2.366	2	0.440	0.440	0.162	6.000	6.310	2	1	21.65	213	800	-	-	Kalpakkam large

253	Vellambakam small	0.000	1.095	2	0.104	0.104	0.065	5.030	5.335	1	1	11.75	89	780	-	-	Kalpakkam large
254	Athipattu thangal	0.000	1.554		0.647	0.647		8.535	9.145		1			1250			
255	Merattur	156.185	5.439	2	1.564	1.564	0.335	30.480	31.090	4				1615			
256	Hebramapuram	204.105	2.472		0.647	0.647		1.510	1.965	1	1	12.20	245	1830		-	-
257	Thiruvellavoyal Large & small	129.755		2				5.400	5.850	4	1	23.00		2900			
258	Voyalur vairavan thangal	123.315	3.461	2	0.803	0.803	0.288	4.190	4.495	1		-	-	865	-	-	-
259	Voyalur chinna thamarai	0.000	2.331	2	4.660	7.534	0.128	2.745	3.200	2	2	49.10	986	1005	-	-	Kalpakkam small
260	Voyalur periathamarai	175.235	28.852	2	4.401	6.809	1.719	2.530	2.910	4	1	70.10	1070	4120		Voyalur chjnna Thamarai	-
261	Voyalur mamanickal	372.960	58.305	2	5.178	19.314	1.651	2.210	2.590	5	1	107.60	1641	3930		Voyalur Mamanickal	-
262	Neidavoyal small	0.000	10.524	2	2.848	2.848	0.651	2.955	3.415	1	1	27.43	550	1210		-	-
263	Pakasalammal Tank	172.830	7.880	2	1.110	1.110	0.360	30.650	31.170	3	1	25.90	795	1524		Rainfed	L.V. Puram
264	Chinnamandali Big Tank	68.850	6.710	2	3.240	3.240	0.180	30.480	30.940	2	1	23.47	424	2408		Rainfed	L.V. Puram
265	Arumbakkam kadaperi	106.480	10.240	2	1.600	1.600	0.275	30.480	30.720	3	2	15.25	376	700		Rainfed	Palayanur
266	Arumbakkam Thella Cheruvu			2										600		Rainfed	Palayanur
267	Jagirmangalam Asaneri	158.780	9.180	2	6.160	8.880	0.310	39.920	40.530	3	1	47.85	1037	1341	2000	Rainfed	Poondi
268	Narthawada Tank	95.140	13.310	2	1.220	4.740	0.390	39.930	40.170	3	1	24.69	642	1815	2000	Jagirmangalam Big Tank	Kosasthalaiyar
269	Sadayankuppam Tank	169.640	0.500	2	0.090	0.090		15.400	15.730	4	1	28.65	161	3200		Rainfed	
270	Kadapakkam Tank	170.000	0.340	2	0.920	2.850		14.780	15.240	4	2	81.08		2841		Rainfed	
271	Manjambakkam Tank	44.520	0.030	2	0.240	0.240	0.310	11.430	11.890	1	1	25.91	367.98	854		Rainfed	
272	Ariyalur	43.530	0.500	2	0.130	0.130	0.120	15.240	15.540	2			335.85	2072		Rainfed	
273	Melasingalimedu Tank	48.990	0.670	2	0.140	0.140		8.780	9.090	1	1	33.99		1372		Rainfed	
274	Budur Tank	144.130	0.210	2	2.096	2.096		12.050	12.510	3	2	51.85		2196		Rainfed	
275	Arumanthai Tank	234.010	0.980	2	0.090	0.090		10.690	11.060	5	2	18.30	423.07	2135		Rainfed	
276	Sothupakkam	90.690	0.500	2	0.140	0.240		10.500	10.960	2	2	29.28		1616		Rainfed	
277	Mathur Tank	80.550	0.030	2	0.240	0.240	0.310	11.430	11.890	1	1	25.91	367.98	854		Rainfed	
278	Madhavaram	69.910	0.900	2	1.063	1.460	5.420	7.430	8.010	5	2	230.56	5014.00	3292		Korattur	B-Canal
279	Ayaneri	101.210	0.440	2	0.140	0.240	1.770	23.130	23.590	2	1	32.23		407			Redhill Tank
280	Thirumullaivoyal Tank																
281	Arikiyambedu Tank		0.980	2	0.090	0.090		10.690	11.060	5	2	18.30	423.07	800		Rainfed	

282	Palavedu	193.490	90.390	2	2.100			30.180	30.630	5	1	24.69	425.00	1993		Pakkam	Muthapudhupet
283	Morai	46.380	25.070	2	2.950	6.840		14.780	15.240	3	1	14.63	290.60	1396		Koilpathagai	
284	Koilpathagai Chitheri	82.590	15.880	2	1.870			23.860	24.450	2	1	15.45	275.00	785		Koilpathagai	
285	Pandur	157.20	0.43			2.98	0.63	14.94	15.54	4	2	15.00,37.00	13.18	1929			
286	Nambakkam Tank																
287	Neiveli Tank	67.58	0.39			3.50	0.41	19.81	20.30	1	1	30.00	4.38	1750	1000	Thirukandalam	Manjakarani
288	Meyyur Vepperi	64.88															
289	Vellathukottai Tank	88.21															
290	Neidhavoyal Large	354.51															
291	Thottakadu Large	113.3															
292	Buthagaram	50.79	0.30	2	0.24	0.24	0.16	10.94	11.39	1	1	14.20	160.00	650		Rainfed	Kathirvedu thangal
293	Perumalpattu Budheri	42.88															
294	Perumbakkam Tank	87.04															

HYDRAULIC PARTICULARS OF INFRASTRUCTURE TANKS

SYSTEM TANKS

Sl. No	Name of tank	Ayacut in Ha	Capacity in Mcft	Number of Fillings	Free catchment in SqKm	Combined Catchment in Sq.Km	Water spread area(Sq.Km)	FTL in M	MWL in M	No.of Sluices	Nos and Length of weir (m)		Discharge in Cusecs	Length of bund (M)	Length of Supply Channel (M)
											Nos	Length in m			
1	Maruderi tank	42.93	4.58	2	0.12	-	0.02	143.960	144.420	3	2	10.82, 9.53	4.58	747	1100
2	Sumaithangi tank	65.21	10.80	2	0.50	1.96	0.98	140.090	140.540	3	2	7.85	10.80	1813	2500
3	Jaderi	108.95	18.72	2	2.00	3.12	1.41	136.250	136.550	4	1	-	18.72	1859	1100
4	Bagaveli tank	42.12	10.29	2	0.25	-	1.13	145.570	146.020	2	1	14.4	10.29	1859	1300
5	Valluvampakkam tank	95.99	33.26	2	0.25	-	1.54	143.000	143.160	4	2	18.82	38.26	1828	1200
6	Ponnappanthangal tank	59.13	15.25	2	0.56	-	0.98	137.170	137.630	4	1	16.61	15.25	2499	1500
7	Vangur Nagaleri tank	12.96	1.90	2	0.12	-	0.07	134.290	134.890	2	1	3.96	1.90	853	1100
8	Govindacheri tank	202.91	48.79	2	2.00	4.90	1.05	128.210	128.670	6	2	47.24, 60.19	48.79	2956	2500
9	Mangalam big tank	123.12	25.93	2	3.10	14.2	1.49	123.070	123.600	3	2	17.68, 60.19	25.90	1210	1100
10	Mangalam chitteri	13.37	0.60	2	0.15	0.35	0.12	121.720	121.930	2	2	37.18, 19.12	0.60	1112	1200
11	Kilveeranam tank	56.30	24.47	2	0.75	-	0.59	121.580	121.750	2	1	6.76	24.47	1115	1100
12	Kilveeranamthangal tank	34.23	41.67	2	0.75	-	0.49	121.240	121.840	2	1	13.73	41.67	1567	1200
13	Suriyakulam tank	25.52	32.63	2	0.25	1.00	0.39	122.650	123.110	2	1	13.87	32.63	571	1100
14	Maliyamedu tank	32.00	1.60	2	0.25	-	0.31	112.850	112.550	2	1	11.28	1.60	774	1200
15	Vedanthangal tank	33.21	10.27	2	2.00	4.75	0.09	119.220	119.880	2	2	25.97, 7.39	10.27	1480	2000
16	Pudur tank	132.44	42.73	2	0.15	2.75	1.89	121.050	121.600	2	2	10.52, 10.36	42.72	1720	2500
17	Mahendravadi tank	173.79	181.30	2	3.00	38.25	3.06	110.390	111.300	6	2	91.44, 91.74	181.35	2135	5000
18	Irulan Odai tank	0.93	0.90	2	0.06	-	0.09	108.610	109.060	1	1	33.52	0.90	603	500
19	Meenakshithangal tank	2.03	2.75	2	0.12	-	0.14	108.560	109.020	1	1	10.62	2.75	865	700
20	Balakrishnapuram tank	24.71	4.86	2	0.25	0.37	0.14	108.440	108.740	2	1	6.92	4.86	1348	2000
21	Munipillaithangal tank	7.29	2.01	2	0.12	-	0.1	106.520	106.830	1	1	13.74	2.01	332	800
22	Kattupakkam Paleri	21.47	6.02	2	0.50	0.87	0.28	107.980	108.440	2	1	4.36	6.02	1262	1300
23	Meleri	52.25	11.74	2	1.25	3.57	0.9	104.520	105.250	2	1	20.54	11.74	1066	2500

24	Velithangipuram tank	63.59	17.13	2	0.50	1.87	1.16	102.990	103.300	3	2	5.12	17.13	1255	2200
25	Arasankuppam tank	62.78	6.59	2	0.50	2.37	0.74	97.850	98.310	1	1	41.76	6.59	1762	2500
26	Nariyanthangal tank	52.65	4.78	2	1.50	6.75	0.44	102.720	103.220	2	1	-	4.78	1005	2200
27	Kaveripakkam tank	2673.00	1179.00	2	12.00	49.00	15.74	137.700	137.700	10	2		1268.00	6000	6000
28	Panniyur tank	95.99	9.14	2	0.50	-	0.7	129.020	129.770	3	1	4.65	9.14	850	1500
29	Alapakkam tank	53.05	9.22	2	0.75	-	0.72	129.210	129.790	3	1	14.17	9.22	1300	1500
30	Sathuvanatham tank	69.94	14.04	2	0.75	-	0.7	121.730	122.480	2	1	10.9	14.04	734	1800
31	Pudupattu big tank	20.25	9.35	2	0.50	1.25	0.73	121.240	121.700	2	1	63.4	9.35	824	4000
32	Pudupattuthangal tank	71.69	1.62	2	0.12	-	0.24	123.540	124.070	2	1	3.3	1.62	625	5000
33	Karnavoor tank	94.77	32.98	2	1.25	3.25	0.14	114.390	114.840	3	2	6.9	32.98	1417	1500
34	Upparanthangal tank	14.18	2.89	2	0.12	-	0.14	133.050	133.500	3	1	4	11.00	560	1700
35	Gangadaranallur tank	40.50	10.98	2	0.75	0.87	0.56	130.550	130.870	2	2	28.09	10.98	1127	2200
36	Kilveethi chitteri	148.17	11.4	2	-	-	-	95.730	96.190	2	1	20.00	-	1100	1200
37	Kilveethi big tank	177.32	71.04	2	-	-	-	96.350	96.960	3	2	96.00, 24.00	-	2250	1800
38	Peraperi tank	65.99	6.05	2	-	-	-	99.320	99.780	2	1	83.00	565	3500	5500
39	Thuraiyur tank	76.53	34	2	-	-	-	104.990	105.600	3	1	12.700	-	1188	1500
40	Uliyanallur tank	233.66	78.18	2	-	-	0.43	104.170	104.630	3	2	14.60, 27.00	-	1676	3000
41	Konthankarai tank	43.33	8.85	2	-	-	0.07	100.060	100.520	2	1	27.50	284	1158	800
42	Vepperi chitteri	12.53	4.8	2	-	-	0.05	98.570	98.990	2	1	7.50	195	488	800
43	Vepperi big tank	53.11	12.84	2	-	-	-	94.520	95.120	3	1	32.50	400	1768	1400
44	Nemili tank	97.97	3.58	2	-	-	-	95.050	95.510	2	1	6.70	170	1341	1500
45	Thenmampakkam tank	91.35	18.44	2	-	-	0.16	107.560	108.020	3	2	5.30, 28.50	-	1200	2300
46	Reddivalam tank	132.39	12.93	2	-	-	0.17	104.240	104.700	1	1	14.70	246	2377	5300
47	Thennal tank	46.81	9.49	2	-	-	0.13	101.450	101.910	2	2	20.00, 14.00	236	1646	1600
48	Vettankulam tank	96.23	37.75	2	-	-	0.24	102.890	103.350	4	2	16.30, 10.40	205	1524	1600
49	Punnai tank	141.40	29.7	2	-	-	0.84	94.260	94.870	3	1	20.70	308	2286	1400
50	Zageerthandalam tank	179.13	27.49	2	2	4	0.05	104.210	104.830	4	1	31.00	-	2712	4000
51	Velleri tank	14.05	3.25	2	-	-	0.05	103.430	103.740	1	1	37.00	-	1311	1000
52	Kilvenpakkam tank	105.34	39.12	2	1	5.7	0.28	100.220	100.710	3	2	35.00, 24.50	611	2561	2000
53	Melvenpakkam tank	41.05	8.29	2	0.5	-	0.116	103.110	103.500	3	1	6.00	-	1280	1600

54	Sirukarumbur tank	172.46	8.55	2	-	-	-	124.440	124.950	2	1	27.00	318	1585	2500
55	Eralacheri tank	16.19	3.5	2	-	-	-	123.200	123.660	1	1	7.00	178	671	2700
56	Peruvalayam tank	132.46	31.99	2	-	-	-	116.840	117.300	5	1	35.00	336	2469	3000
57	Kalpalampattu Alanthangal	57.77	6.71	2	-	-	0.05	114.180	114.640	3	1	9.00	-	853	1000
58	Kalpalampattu Putheri	16.50	2.25	2	-	-	0.030	114.180	114.640	1	1	9.00	191	457	4200
59	Sivaramanthangal tank	5.91	0.78	2	-	-	-	111.820	112.120	1	1	15.00	165	762	800
60	Siruvalayam tank	208.25	51.04	2	-	-	-	112.990	113.450	5	2	30.00, 19.00	-	1585	3000
61	Dharmaneethi tank	76.36	14.17	2	-	-	-	118.200	118.660	3	1	10.00	40	1006	4500
62	Nangamangalam tank	107.69	27.18	2	0.75	5.25	0.230	115.250	115.700	2	2	14.50, 28.00	213	3200	4000
63	Poigainallur Meleri	65.58	2.18	2	-	-	0.060	113.510	113.870	1	1	9.20	172	1433	3500
64	Poigainallur Periyathangal	45.34	12.20	2	0.14	-	0.270	111.420	111.800	1	1	17.00	169	975	1000
65	Poigainallur Chinnathangal	8.50	4.50	2	0.13	0.25	0.090	112.170	112.270	1	1	4.00	-	126	1000
66	Poigainallur Kilathangal	14.57	4.75	2	-	-	0.050	112.750	113.050	1	1	15.00	168	1280	600
67	Asanallikuppam tank	223.67	26.05	2	3.24	3.24	0.58	99.640	100.250	3	1	14.64	9.74	2800	3500
68	S.Kolathur tank	122.02	30.35	2	2.59	5.83	0.25	97.420	98.870	3	2	13.42, 26.84	21.35	1707	9000
69	Nelvoy tank	130.37	23.52	2	3.89	13.73	0.76	95.100	95.700	3	2	17.68, 28.96	33.67	2560	4500
70	Pallur big tank	306.84	49.05	2	3.24	6.48	3.51	90.940	91.620	2	1	21.81	25.38	2684	6500
71	Pallur Chitteri		20.77	2	1.3	10.3	0.15	87.750	88.200	3	1	46.94	25.38	2317	1700
72	Pallur Putheri		26.00	2	3.26	9.07	0.26	90.550	91.080	1	1	44.76	25.38	1525	-
73	Illupaithandalam tank	126.44	23.05	2	2.49	2.59	1.45	85.800	86.410	2	1	20.28	17.75	2172	6150
74	Synapuram big tank	284.36	29.29	2	5.18	5.18	0.14	91.480	91.940	3	2	30.50, 5.06	18.18	2303	4500
75	Synapuram small tank	87.87	3.48	2	1.3	1.3	0.17	91.120	91.570	2	1	14.60	7.50	1800	3200
76	Sendamangalam big tank	5.42	8.71	2	0.73	3.29	0.14	86.540	86.940	2	1	18.76	13.68	1525	3200
77	Sendamangalam small tank	82.95	8.32	2	1.94	15.54	0.07	85.160	85.770	2	1	60.39	52.87	756	1200
78	Pinnavaram tank	74.84	14.76	2	2.59	11.66	0.57	85.590	86.050	2	1	45.75	34.50	1677	4200
79	Takkolam big tank	173.82	45.50	2	1.94	17.79	0.15	77.890	78.340	4	1	30.65	15.69	3203	18000
80	Takkolam Kalleri	104.77	13.65	2	2.85	2.85	1.00	76.420	76.880	2	1	6.02	7.08	2412	4800
81	Chittoor big tank	108.39	13.55	2	0.65	2.59	1.13	82.390	82.840	3	1	22.57	11.55	2074	3300
82	Chittoor small tank	29.44	5.10	2	0.65	0.65	0.08	79.950	80.400	2	1	9.45	4.82	976	500

83	Attupakkam big tank	47.53	9.33	2	2.59	3.24	0.10	88.080	88.470	2	1	30.59	12.57	1617	6500
84	Attupakkam small tank	95.50	4.95	2	0.52	5.54	0.20	86.340	86.690	1	1	45.80	17.81	1171	1200
85	Manavanthangal tank	26.30	2.01	2	0.65	1.94	0.12	82.930	83.390	2	1	18.22	12.18	1650	-
86	Kadambanallur tank	117.81	8.20	2	0.65	0.65	0.13	79.120	79.570	3	1	9.15	4.67	2074	800
87	Ganapathipuram tank	120.95	8.10	2	5.18	27.4	1.12	83.980	84.590	2	1	50.78	44.46	2440	8800
88	Murungai tank	56.68	13.90	2	5.18	5.18	1.20	79.240	79.720	3	1	44.80	27.94	2577	8800
89	Parameswaramangalam tank	87.66	13.57	2	2.59	14.25	0.64	82.850	83.550	3	1	34.50	37.21	2379	6500
90	Kattur	539.755	32.984	2	1.450	1.450	1.466	3.840	4.300	5	1	-	378	5410	4800
91	Thathamanji	138.020	25.639	2	0.932	0.932	1.022	3.535	3.535	6	1			4135	5800
NON SYSTEM TANKS															
92	Govindacherikuppam tank	70.05	10.60	2	0.03	-	0.24	110.400	110.900	1	1	-	5.40	690	1200
93	Musiri tank	68.24	14.14	2	0.03	-	0.28	108.500	109.100	1	2	14.8	14.10	540	3000
94	Kattupakkam big tank	74.78	15.89	2	0.03	-	0.34	111.870	112.170	2	2	11.2	15.89	884	3000
95	Banavaram tank	102.87	26.31	2	0.08	-	0.34	123.040	123.640	3	2	18.45	26.31	762	3000
96	Panapakkam tank	80.64	10.36	2	-	-	-	100.000	100.460	2	1	14.00	-	1050	-
97	Kariyakudal tank	73.92	8.29	2	-	-	-			2	1	7.00	-	1300	2200
98	Synapuramthangal tank	48.56	8.55	2	0.65	0.65	0.07	30.000	30.600	2	1	6.5	8.30	1600	-
99	Arigilpadi tank	142.10	25.00	2	1.94	1.94	0.09	30.180	30.630	2	1	15.26	9.26	1695	4000
100	Thirumadulampakkam tank	44.52	8.00	2	1.28	1.28	0.11	91.050	91.500	3	1	10.2	12.60	1730	1200
101	Mangattucheri tank	46.54	7.50	2	3.12	3.12	0.13	30.000	30.500	3	1	4.40	9.10	1625	3000
102	Periakalakkattur Big Tank	670.850	156.89	2	14.3	18.98	2.06	55.605	56.138	2	2	17.37&40.23	1784	1524	
103	Periakalakkattur Chitteri	53.320	8.23	2	3.1	3.10	0.30	30.000	30.450	1	2	5.60&16.80	450	1524	
104	Villanthangal Tank	44.530	3.99	2	1.55	1.55	0.11	31.690	32.300	2	1	4.88	198	671	
105	Thozudhavur Tank	171.230	6.57	2	1.19	11.06	0.28	54.600	55.210	3	2	30.48&3.96	1329	1920	
106	Orathur Tank	240.720	8.48	2	2.74	11.86	0.40	50.650	57.100	2	1	28.00	1124	1798	
107	J.S. Ramapuram Chitheri														
108	Kalambakkam Big Tank	58.940	3.50	2	3.76	3.78	0.20	30.480	31.090	1	1	18.90	641	1325	
109	Manavur Hissa Tank	929.300	97.53	2	5.46	20.20	2.13	48.590	49.200	7	1	55.40	1847	4785	

110	Lakshmivilasapuram Tank	237.580	13.60	2	1.76	5.72	0.42	29.200	29.810	2	1	38.10	823	2256	
111	Ponnangulam Tank	71.700	1.24	2	1.32	1.32	0.07	50.000	50.600	3	1	12.00	371	1036	
112	Chakramallur Tank	58.000	14.37	2	0.52	9.63	0.44	47.61	48.22	2	1	32.92	969	1342	500
113	Ganesapuram Tank	67.430	11.72	2	3.96	6.73	0.29	30.8	31.18	2	1	24.38	915	854	900
114	Palayanur Big Tank	220.470	34.26	2	11.71	84.12	0.85	44.55	45.01	2	2	55.17,66.45	4171	2225	3000
115	Pulavanallur Tank	71.700	2.93	2	1.45	1.45	0.11	47.5	47.83	2	1	31.1	353	1158	1800
116	Harichandrapuram Tank	96.200	13.77	2	1.81	17.61	0.37	30.48	31.09	2	1	51.82	1649	1250	1800
117	Jageermangalam Big Tank	169.590	7.42	2	2.41	2.41	0.3	41.67	42.13	2	1	29.87	477	1981	1500
118	Jageermangalam Chitteri		1.48	2	0.31	0.31	0.11	40.91	41.52	2	1	5.79	126	1372	1500
119	Gulawadi Tank	61.110	6.22	2	3.52	10.12	0.29	42.280	42.890	3	1	49.38	1065	914	1200
120	Gulawadi Pattrai Tank	67.430	2.05	2	1.32	12.28	0.07	39.890	40.500	1	1	37.18	1149	610	750
121	Tiruvalangadu Netteri.	47.880	12.54	2	3.05	3.05	0.15	50.000	50.600	2	1	14.63	453	945	1200
122	Ramankoil Tank	43.72	0.06		0.83	83.00	1.10	53.34	53.64	2	2	18.29, 6.40	6.88	1400	3000
123	Sennavaram Tank	153.89	0.13		0.98	0.98	0.30	30.48	30.78	2	1	19.80	5.52	1433	
124	Panabakkam Big Tank	288.11	0.20		1.68	1.68	0.21	14.78	15.38	4	1	7.20	5.50	1829	3000
125	Panambakkam Chitheri	65.79	0.11		0.65	0.65	0.06	15.25	15.85	2	1	6.40	4.88	1160	
126	Thenkaranai Tank	46.56	0.04		1.63	1.63	0.02	57.45	57.76	1	1	36.58	10.91	1097	
127	Thenkaranai Zeemaleri		0.04	.	1.94	1.94	0.02	57.00	57.45	1	1	10.97	5.61	762	
128	Kalaniyanur Big Tank	72.87	0.04			1.11	0.02	30.18	30.48	4	1	14.33	12.12	1402	1500
129	Kalaniyanur Chitheri	48.58	0.08				0.05	31.93	32.89	2	1	19.00	16.46	1200	1000
130	Nemili Agram Tank	90.69	0.16			1.30		49.38	49.68	2	1	42.06	11.09	950	1000
131	Melvilagam Tank	121.05	0.24			0.93	0.29	15.24	15.54	2	1	33.28	32.89	800	
132	Vidaiyur Periya Eri	187.45	2.02		1.58	1.58	0.93	51.88	52.04	2	1	27.40	11.59	2280	1500
133	Vidaiyur Periya Eri														
134	Venmanambudur Tank	94.33	0.20		3.37	4.22	0.32	49.59	49.90	3	1	121.90	50.42	594	2000
135	Pattraiperumbudur Tank	264.78	0.99			2.12		45.93	46.47	4	1	18.82	14.45	2728	3000
136	Manjakuppam Tank	86.23	0.52			2.59	0.72	30.48	30.78	2	1	15.09	4.33	1200	2000
137	Kunnavalam Tank	43.72	0.31			2.07	0.22	8.53	8.99	2	1	21.79	26.78	832	1500
138	Thirupatchur Tank	364..37	1.16		3.76	8.55	0.70	30.48	30.94	10	2	30.78,32.92	32.59	4115	2000
139	Kaivandur Tank	125.91	0.37		1.94	1.94	0.64	45.24	45.84	3	1	10.21	16.32	2986	2500

140	Rangapuram Tank	44.53	0.26		2.10	4.71	0.15	15.85	16.46	1	1	13.87	10.92	701	1000
141	Krishnapuram Tank	45.15	0.08		0.91	0.91	0.10	29.87	30.33	2	1	17.67	9.04	661	2000
142	Thirupair Matheri Tank	30.36	0.11		2.25	2.25	0.10	22.86	23.21	1	1	28.94	22.79	661	1000
143	Sendrayapalayam Tank	141.3	0.54		5.72	6.32	0.38	28.88	29.34	1	1	48.00	24.56	661	1000
144	Nayapakkam Budheri	65.58	0.15		2.33	2.33	0.13	24.84	25.30	1	1	27.45	14.05	875	
145	Nayapakkam Chitheri														
146	Ariyathur Tank	43.32	0.10		0.98	0.98	0.10	59.85	60.38	2	1	16.46	8.42	1080	1000
147	Ponnapattu Tank	45.75	0.10		0.88	0.88	0.12	37.64	37.94	2	1	11.89	3.31	1188	1000
148	Attrambakkam Tank	58.30	0.13		0.73	1.17	0.10	60.81	61.11	2	1	34.14	0.11	1205	2000
149	Eraiyur Big Tank	57.89	0.10		3.89	3.89	0.06	13.72	14.32	3	1	24.50	5.88	1372	1000
150	Eraiyur Chitheri	40.62	0.09		3.80	3.80	0.08	13.72	14.32	3	1	36.00	8.65	1372	1500
151	Melanur Tank	107.96	0.14		1.74	1.74	0.27	24.79	25.09	4	1	28.40	2.41	1707	3000
152	Pinnapakkam Tank	121.41	0.14		15.02		0.36	38.28	38.81	2	2	85.70, 45.72	16.84	3383	4000
153	Chithapakkam Tank	162.75	0.37		9.40	9.40	0.56	35.60	36.03	6	2	45, 30	11.70	3536	1500
154	Ramathandalam Tank	93.12	0.16		2.46	2.46	0.95	36.75	37.05	5	2	73.15,8.2	21.52	1500	2500
155	Pullarambakkam Tank	319.43	1.75		4.01	4.01	1.18	41.63	42.09	9	2	6.1,18.3	3.81	3749	2500
156	Ikkadu Kalayani Eri	141.24	0.12		3.91	3.91	0.21	36.42	36.80	2	1	60.96	7.23	1583	2000
157	Ikkadu Big Tank	247.27	0.89		6.00	6.00	0.85	39.62	40.09	4	1	46.33	7.23	2591	1000
158	Ikkadu New Tank	247.27	0.89		5.62	5.62	0.41	39.19	39.80	1	1	18.44	8.02	2194	
159	Kakkalur	177.71	1.29		3.96	3.96	1.26	41.01	41.61	4	2	20.88,30	5.01	2682	3000
160	Kalambakkam	134.76	0.23		2.72	2.72	0.39	29.57	30.18	3	1	17.37	4.17	1707	2000
161	Kalayanakuppam Kos.	258.00	0.14		0.85	0.85	0.23	37.06	37.37	3	1	21.34	1.81	2591	
162	Kalayanakuppam	258.00	0.15		1.06	1.06	0.24	37.73	38.04	2	1	22.86	1.81	1768	2000
163	Thandalam Big Tank	101.98	0.47		0.70		0.71	37.82	38.12	2	1	11.60	5.92	4877	3000
164	Ayalur Mettuthangal	50.80	0.11		0.85	0.85	0.20	32.43	32.78	2	1	31.40	2.67	518	1000
165	Ayalur Tank	53.82	0.04		2.90	2.90	0.81	33.38	33.83	4	1	33.53	5.23	2134	3000
166	Ayathur Thangal	67.73	0.17		9.58	9.58	0.49	35.07	35.68	2	1	59.47	14.28	1524	3000
167	Perathur	148.12	0.37		2.02	2.02	1.00	30.80	31.41	7	1	15.30	2.93	3505	2000
168	Kilanur Tank	174.02	1.03		8.62	8.62	1.00	33.99	35.29	5	2	23.65,57.8	6.92	1981	4000
169	Othikadu Tank	106.43	0.34		2.67	2.67	0.64	35.88	36.49	4	1	75.00	19.85	2835	2000

170	Sitrathur Tank	88.63	0.32		2.28		0.55	34.20	34.66	2	1	32.80	13.00	1920	1500
171	Veeragavapuram Tank	130.19	0.12		0.63		0.58	24.64	25.25	3	1	26.55	6.38	2286	1500
172	Sivanvoyal	110.08	0.66		5.57	5.57	0.72	32.00	32.40	3	1	50.60	9.11	3170	3000
173	Puliyur	208.01	0.60		12.30	12.30	0.62	30.50	31.03	2	1	64.97	33.28	3536	3000
174	Vadhatur Tank	248.08	1.15		17.64		1.47	29.89	30.50	5	2	39.00,20.30	14.24	2952	2000
175	Melakondaiyur Tank	103.20	0.38			2.95	0.41	15.86	16.47	3	1	20.50	4.92	1280	2000
176	Pakkam Chitheri	631.32	0.38		1.81	1.81	0.46	15.25	15.55	3	1	10.10	0.86	2103	2000
177	Pakkam Tank	133.12	1.87		15.02	15.02	1.21	14.23	14.84	5	1	89.61	21.52	2591	5000
178	Pakkam Thangal	141.24	0.47		2.95	2.95	0.38	15.09	15.54	3	1	65.14	10.14	1280	2000
179	Karikalavakkam Tank	226.00	0.46		0.80	0.80	0.35	29.87	30.48	5	2	14.63,82.6	23.35	3536	2000
180	Velliyur Big Tank	325.37	1.17		2.20		0.27	28.48	28.94	4	2	22.73,28.85	8.05	3231	3000
181	Vilambakkam Tank	51.29	0.15		1.53		0.69	31.18	31.49	2	1	14.00	1.18	1080	1000
182	Vilambakkam Uranithangal	51.29	0.15		1.53		0.65	31.18	31.49	2	1	15.00	1.18	1100	3000
183	Magral Tank	55.85	0.29			1.48	0.12	25.30	25.76	2	1	51.70	4.76	640	
184	Magral Nadu thangal	74.06	0.40			1.50	0.69	26.49	26.82	2	1	51.80	5.43	1524	
185	Magral Vizhu thangal	72.04	0.47				0.13	24.16	24.62	2	1	73.46	11.46	549	
186	Thamaraipakkam Tank	228.60	0.68			5.59	0.95	14.63	15.03	5	1	73.15	13.50	2499	2000
187	Kommakkambedu Tank	131.91	0.38			2.31	0.53	15.85	16.46	3	1	47.85	11.49	13.4	
188	Guruvoyal Tank	98.79	0.07			0.65	0.17	28.69	28.99	2	1	37.00	8.79	1585	1500
189	Karani Tank	99.96	0.30			0.70	0.44	24.77	25.22	2	1	48.77	7.61	2528	
190	Koduvelli panchanthangal	40.41	0.04			3.13	0.29	23.47	23.93	1	1	26.82	4.19	472	1000
191	Koduveli Tank	110.08	0.44			2.59	0.57	22.98	23.44	4	1	45.72	7.13	2757	
192	Athivakkam Tank	74.76	0.20			1.30	0.25	14.78	15.24	3	1	27.74	4.33	1285	2000
193	Alinjivakkam Tank	49.78	0.11			1.42	0.05	21.89	22.38	3	1	65.84	10.27	1458	3000
194	Athingikavanoor Tank	74.76	0.28			5.10	0.41	24.80	25.25	3	2	42.00,70.00	3.00	1052	5000
195	Kilambakkam Tank	122.67	0.23			2.72	0.39	29.57	30.18	3	1	26.80	4.17	1707	
196	Neiveli Tank		0.01		0.28	0.28	0.03	18.90	19.35	1	1	27.70	14.18	457	
197	Poorivakkam Tank	157.20	0.43			2.98	0.63	14.94	15.54	4	2	15.00,37.00	13.18	1929	
198	Thirukandalam Tank	112.91	1.39			2.33	1.43	20.39	21.00	3	2	22, 67	11.38	3541	3000
199	Koilpathagai Tank	215.79	80.51	2	1.54	1.58	6.11	24.91	25.53	3	1	30	487	2100	

200	Mittanamallee Tank	72.06	9.89	2		2.67	1.15	27.58	28.04	3	1	27	499	1372	
201	Palavedu Thangal	251.82	2.11	2	0.14	0.55	1.46	27.53	27.96	3	1	16.2	294	1480	
202	Pandeswaram	170.85	18	2	0.49	0.74	5.24	25.37	25.68	3	1	50	1275	2450	
203	Arakambakkam	78.14	1.06	2	0.1	0.22	0.34	23.08	23.54	2	1	24.68	462	1140	
204	Karlapakkam	96.36	33.19	2	2.38	9.76	18.83	14.69	15.3	5	1	50.5	1281	1830	
205	Melpakkam	46.56	3.18	2	1.72	2.01	0.72	24.54	24.84	3	1	30.48	494	1475	
206	Kadhavoor Tank	41.3	39.19	2	0.14		0.72	25.29	25.75	3	1	13.1	272	1280	
207	Vellacheri Tank	104.05	1.77	2	0.14	1.14	0.28	25.8	26.1	1	2	64.5	988	1950	
208	Alathur	154.25	25.78	2	4.79	10.23	21.24	28.65	29.26	4	1	40	657	2950	
209	Keelkondaiyur	131.17	3.53	2	0.09	0.26	0.63	26.52	27.27	3	1	27.6	512	2980	
210	Padiyanallur	267.21	28.96	2	3.75	6.85	1.2	30.23	30.37	5	2	38.7	844.03	1845	
211	Marambedu	44.32	8.1	2	0.51	0.54	0.86	10.83	11.29	2	1	3606	650	1104	
212	Perungavoor	259.68	25.78	2	0.68	0.68	1.01	9.72	10.19	4	2	18.3	423.07	2650	
213	Gnayar Tank	40.173	32.49	2	0.78	1.1	0.98	10.99	11.45	8	4	60.9	1315.84	3441	
214	Vellivoyal Tank	97.94	5.65	2	1.12	1.12	1.36	9.25	9.7	2	2	27.5	759.98	1677	
215	Agram Tank	99.36	3.53	2	0.57	0.57	0.41	10	10.45	3	1	15.65	260.1	1800	
216	Vazhuthigaimbedu	59.11	2.47	2	1.12	1.12	1.02	11.01	11.32	2	1	60	454.86	1650	
217	Periyamullaivoyal	197.09	29.17	2	2.1	2.096		12.03	12.51	3	1	34.5	674.87		
218	Nerkundram Tank	65.21	2.12	2	1.06	1.06	0.91	12.75	13.06	3	2	21.35	386.7	1189	
219	Sirungavour	99.18	5.9	2	0.1	0.1	0.1	9.18	9.49	2	1	9.4	194.94	2286	
220	Vitchur Tank	313.64	10.36	2	1.16	2.11	0.98	9.15	9.43	3	2	14.03	270.1	4026	
221	Thirunilai Tank	102.79	4.57	2				8.89	9.34	4	1	13.2	261.33	1939	
222	Sendrambakkam	52.82	5.65	2	0.76	0.76	0.26			2	1	7.62	185	1100	
223	Sembiyam Manali	236.86	9.18	2	0.61	2.910	2.59	30.32	30.78	3	2	60.96	1909.84	2555	
224	Pammadhukulam Big Tank	40.89	8.12	2	0.41	0.68	1.03	17.83	18.28	2	1	32.08	227.43	920	
225	Pammadhukulam thangal	66.4	4.24	2	0.25	0.25	0.15	25.04	25.49	1	1	27.58	195.53	670	
226	Vellanoor Big Tank	159.51	22.6	2	5.05	5.05	4.89	12.8	13.41	2	1	45.72	324.13	760	
227	Vellanur Small Tank	43.72	6.19	2	0.48	1.04	0.68	13.75	14.2	2	1	19.6	138.95	850	
228	Vellanoor Kandigai	50.61	5.17	2	0.62	0.98	0.71	11.74	12.84	1	1	30	212.68	750	

229	Pothur Tank	71.26	11.65	2	0.31	0.31	1.11	20.52	20.97	2	1	28.65	203.13	790	
230	Allikuli Tank	88.74	219.30		1.52		0.20	28.90	29.51	1	1	36.30	706.30	725	1500
231	Devandavakkam Tank	48.98	4.55		2.30		0.16	54.05	50.45	2	1	17.50	600.35	1097	800
232	Kadervedu Tank	54.65	5.21		0.77		0.34	28.90	29.21	2	1	24.80	282.52	1010	200
233	Korrakkantha. jad.	40.56	3.27		2.25		0.16	31.24	40.60	1	1	32.00	847.56	905	1200
234	Meyyur Large Tank	94.96	9.97		1.59		0.26	29.57	30.03	2	1	17.10	600.35	1190	700
235	Nelvoy Reddammaneri	120.34			5.76		0.39	15.85	16.46	2	1	40.00	459.10	2410	600
236	Nelvoy Koppanthangal	56.66	4.78	1	7.12		0.27	30.00	30.60	1	1	9.10	317.85	914	500
237	Nelvoy Perieri and Chiteri	40.59	7.12	1	3.58		0.32	30.48	30.97	1	1	10.70	423.78	1100	2800
238	Odaippai Big Tank	75.27	7.60	1	5.84		0.16	20.00	20.60	2	1	15.00	423.78	1000	700
239	Sembedu Puderi and Chitheri	163.33	14.16	1	3.28		0.40	15.85	14.49	2	2	25.20	706.30	1100	1000
240	Thimmaboopalapuram	89.03	6.79	1	6.40		0.27	30.48	30.95	1	1	38.40	459.09	980	1700
241	Thimmaboopalapuram East Tank	59.05	7.24	1	5.15		0.29	30.50	31.10	3	1	32.90	565.04	1465	700
242	Vellathukottai Eracheruvu	102.97	4.72	1	1.69		0.36	15.24	15.85	2	2	39.70	741.62	1646	600
243	Erumainaickankuppam Tank	41.200	6.180	1	0.52	0.52	0.32	23.600	26.060	2	1	18.30	211.89	1200	1000
244	Vengal Tank	151.970	33.880	1			2.05	30.170	30.800	2	2	9.50 21.20	529.73	1600	3600
245	Annathanakakkavakkam Tank	91.895	15.250	1	1.94	13.33	0.62	17.850	18.310	2	1	64.00	1059.45	1710	1500
246	Nalur large	514.680	4.591	2	2.589	3.236	0.284	7.055	7.440	5	1	59.75	717	2040	1000
247	Nalur small	213.705	0.918	2	1.295	4.531	0.083	5.410	5.715	2	2	32.00 & 30.50	904	1100	
248	Minjur	115.510	13.561	2	4.194	4.194	0.384	15.240	15.390	4	2	35.20 & 266.40	725	2440	
249	Kalpakkam large	113.835	10.983	2	2.123	7.197	0.601	4.680	5.135	3	1	53.80	1080	1630	
250	Kalpakkam small														
251	Thottakadu small	143.035	0.918	2	0.337	0.337		5.335	5.640		1	24.38	160	520	
252	Vellambakkam large	93.475	2.366	2	0.440	0.440	0.162	6.000	6.310	2	1	21.65	213	800	-
253	Vellambakam small	0.000	1.095	2	0.104	0.104	0.065	5.030	5.335	1	1	11.75	89	780	-
254	Athipattu thangal	0.000	1.554		0.647	0.647		8.535	9.145		1			1250	
255	Merattur	156.185	5.439	2	1.564	1.564	0.335	30.480	31.090	4				1615	
256	Hebramapuram	204.105	2.472		0.647	0.647		1.510	1.965	1	1	12.20	245	1830	

257	Thiruvellavoyal Large & small	129.755		2				5.400	5.850	4	1	23.00		2900	
258	Voyalur vairavan thangal	123.315	3.461	2	0.803	0.803	0.288	4.190	4.495	1		-	-	865	-
259	Voyalur chinna thamarai	0.000	2.331	2	4.660	7.534	0.128	2.745	3.200	2	2	49.10	986	1005	-
260	Voyalur periathamarai	175.235	28.852	2	4.401	6.809	1.719	2.530	2.910	4	1	70.10	1070	4120	
261	Voyalur mamanickal	372.960	58.305	2	5.178	19.314	1.651	2.210	2.590	5	1	107.60	1641	3930	
262	Neidavoyal small	0.000	10.524	2	2.848	2.848	0.651	2.955	3.415	1	1	27.43	550	1210	
263	Pakasalammal Tank	172.830	7.880	2	1.110	1.110	0.360	30.650	31.170	3	1	25.90	795	1524	
264	Chinnamandali Big Tank	68.850	6.710	2	3.240	3.240	0.180	30.480	30.940	2	1	23.47	424	2408	
265	Arumbakkam kadaperi	106.480	10.240	2	1.600	1.600	0.275	30.480	30.720	3	2	15.25	376	700	
266	Arumbakkam Thella Cheruvu			2										600	
267	Jagirmangalam Asaneri	158.780	9.180	2	6.160	8.880	0.310	39.920	40.530	3	1	47.85	1037	1341	2000
268	Narthawada Tank	95.140	13.310	2	1.220	4.740	0.390	39.930	40.170	3	1	24.69	642	1815	2000
269	Sadayankuppam Tank	169.640	0.500	2	0.090	0.090		15.400	15.730	4	1	28.65	161	3200	
270	Kadapakkam Tank	170.000	0.340	2	0.920	2.850		14.780	15.240	4	2	81.08		2841	
271	Manjambakkam Tank	44.520	0.030	2	0.240	0.240	0.310	11.430	11.890	1	1	25.91	367.98	854	
272	Ariyalur	43.530	0.500	2	0.130	0.130	0.120	15.240	15.540	2			335.85	2072	
273	Melasingalimedu Tank	48.990	0.670	2	0.140	0.140		8.780	9.090	1	1	33.99		1372	
274	Budur Tank	144.130	0.210	2	2.096	2.096		12.050	12.510	3	2	51.85		2196	
275	Arumanthai Tank	234.010	0.980	2	0.090	0.090		10.690	11.060	5	2	18.30	423.07	2135	
276	Sothupakkam	90.690	0.500	2	0.140	0.240		10.500	10.960	2	2	29.28		1616	
277	Mathur Tank	80.550	0.030	2	0.240	0.240	0.310	11.430	11.890	1	1	25.91	367.98	854	
278	Madhavaram	69.910	0.900	2	1.063	1.460	5.420	7.430	8.010	5	2	230.56	5014.00	3292	
279	Ayaneri	101.210	0.440	2	0.140	0.240	1.770	23.130	23.590	2	1	32.23		407	
280	Thirumullaivoyal Tank														
281	Arikiyambedu Tank		0.980	2	0.090	0.090		10.690	11.060	5	2	18.30	423.07	800	
282	Palavedu	193.490	90.390	2	2.100			30.180	30.630	5	1	24.69	425.00	1993	
283	Morai	46.380	25.070	2	2.950	6.840		14.780	15.240	3	1	14.63	290.60	1396	
284	Koilpathagai Chitheri	82.590	15.880	2	1.870			23.860	24.450	2	1	15.45	275.00	785	
285	Pandur	157.20	0.43			2.98	0.63	14.94	15.54	4	2	15.00,37.00	13.18	1929	
286	Nambakkam Tank														

287	Neiveli Tank	67.58	0.39			3.50	0.41	19.81	20.30	1	1	30.00	4.38	1750	1000
288	Meyyur Vepperi	64.88													
289	Vellathukottai Tank	88.21													
290	Neidhavoyal Large	354.51													
291	Thottakadu Large	113.3													
292	Buthagaram	50.79	0.30	2	0.24	0.24	0.16	10.94	11.39	1	1	14.20	160.00	650	
293	Perumalpattu Budheri	42.88													
294	Perumbakkam Tank	87.04													

1.4 PARTICIPATORY IRRIGATION MANAGEMENT (PIM)

SALIANT FEATURES OF IMPLEMENTATION OF PIM IN

KOSASTHALAIYAR SUB BASIN

1. The Sub Basin : This is one of the eight sub Basin of Chennai River Basin Totally 91 System tanks 203 Non systems tanks and 4 Anicuts are under the control of Water Resources Organisation (WRO) Thelist of infrastructures covered with more details are furnished in Annexure.I. These infrastructures are located with in the Sub Basin's hydraulic boundary spread over 200 villages of 5 Taluks in Thiruvallur District and 2 Taluks in Vellore District. The total command area under these infrastructure worksout to 35256.26 ha.

2. Command area

System Tanks	:	10449.97
Non system Tank	:	24468.20
Anicuts	:	338.09 Ha.
Total	:	35256.26 ha.

3. An Assessment of No.of WUAs.

a) WUAs area formed already in WRCP.1 : 49 Nos.

b) Associations proposed to be formed under IAMWARM Project covering 316 Tanks and 4 Anicuts. : 150 Nos.

c) The command area covered by the above WUAs: 32256.26 Ha.

d) More details about formation of WUA's in the sub Basin are made available in the Annexure. :

4. An account of awareness Creation among the farming community Activities under taken and "Walkthrough Survey" carried out.

   i) There are 294 tanks and 4 Anicuts in the sub basin spread over 200 villages as detailed out in the Annexure.I All these villages are visited by the WRO officials and awareness about various activities contemplated under IAMWARM Project has been created.

   ii) Details of villages covered, walkthrough surveys conducted, farmers attend, list of works suggested by the farmers list of works analyzed and finalized by WRO officials, are all furnished in the Annexure.02 and Annexure.03.

5. Schedule for completion of delination and preparation for WUA documents, comprising of:

   a. Form.I Details to be notified by the District Collectors on 10.08.2009
   b. Form.II WUA documents to be notified by the District Collectors on 07.09.2009 and 30.10.2009.
   c. Completion of preparatory works for the conduct of elections for WUAs (completed).

6. Schedule for conduct of Elections in the Sub Basin for forming Management committees (End December 2009) 31.12.2009.

7. Support Organisation (SOS)

   i) Initiating and completing the process of publishing EOI to hire support organisation at sub basin level.

   ii) Short listing and providing request for proposals all shortlisted agencies and obtaining technical and cost proposal

   iii) Selection and development of support organisation to the sub basin.

8. Current status of Recovery of Water Charges:

i) The Managing Committee will be trained to takeup the responsibility of improvement and collecting Water charges. This will be followed up after completing the modernizing tasks and handing over of the O&M responsibilities to WUA.

9. Capacity Building of the WUA farmers:

i) The supporting organizing group will prepare "Training Modules" required for building the capacity of the WUA based on "Training needs" Analysis. They will also organize various "Capacity Building ' Programmes at suitable locations within sub basin command area, to benefit the farmers of the WUAs in the Sub basin.

ii) The "Support Organisation will also for organizing "Study Tours "Both within and outside the state to enhance their knowledge and experience will help them to improve the crop productivity and there by farmers income.

iii) The Suport organisation will also conduct necessary "Awareness Programme" and imparting training to educate the farmers of the WUA in all aspects of the TNFMIS Act TNFMS rules and election procedure for constituting "Managing Committee" of the WUAs.

10. The Competent authorities appointed for the Sub basin will also be trained effectively to interact with WUA farmers and maintain good report and relationship with the farming community in the Sub basin.

ANNEXURE-1

An Assessment of Command Area and WUAs Under the control of WRO of PWD in " KOSASTHALAIYAR SUB BASIN"

Sl. No	WUA No.	Name of Irrigation System and Tanks	Command area in Ha	Location of the Command Area			Coverage of Command area under different projects (Ha)		Status of formation of WUAs 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**	**11**
		WATER USERS ASSOCIATIONS IN VELLORE DISTRICT								
1		Maruderi tank	42.93	Bagaveli	Walaja	Vellore	42.93		Formed	-
2		Sumaithangi tank	65.21	Sumaithangai	Walaja	Vellore	65.21		Formed	-
3		Jaderi	108.95	Sumaithangai	Walaja	Vellore	108.95		Formed	-
4		Bagaveli tank	42.12	Bagaveli	Walaja	Vellore	42.12		Formed	-
5		Valluvampakkam tank	95.99	Valluvampakkam	Walaja	Vellore	95.99		Formed	-
6		Ponnappanthangal tank	59.13	Ponnappanthangal	Walaja	Vellore	59.13		Formed	-
7		Vangur Nagaleri tank	12.96	Vangur	Walaja	Vellore	12.96		Formed	
8	1	Govindacheri tank	202.91	Govindacheri	Walaja	Vellore	202.91		Formed	
9		Govindacherikuppam tank	70.05	Govindacherikuppam	Walaja	Vellore		70.05		To be formed
10		Musiri tank	68.24	Musiri	Arakonam	Vellore		68.24		To be formed
11		Mangalam big tank	123.12	Mangalam	Arakonam	Vellore	123.12		Formed	
12		Mangalam chitteri	13.37	Mangalam	Arakonam	Vellore	13.37		Formed	
13		Kilveeranam tank	56.3	Kilveeranam	Arakonam	Vellore	56.3		Formed	
14		Kilveeranamthangal tank	34.23	Kilveeranam	Arakonam	Vellore	34.23		Formed	
15		Suriyakulam tank	25.52	Suriyakulam	Arakonam	Vellore	25.52		Formed	

16		Vedanthangal tank	33.21	Vedanthangal	Arakonam	Vellore	33.21		Formed	
17	2	Banavaram tank	102.87	Banavaram	Arakonam	Vellore		102.87		To be formed
18		Karnavoor tank	94.77	Karnavoor	Arakonam	Vellore	94.77		Formed	
19		Mahendravadi tank	173.79	Mahendravadi	Arakonam	Vellore	173.79		Formed	
20		Irulan Odai tank	0.93	Velithangipuram	Arakonam	Vellore	0.93		Formed	
21		Meenakshithangal tank	2.03	Velithangipuram	Arakonam	Vellore	2.03		Formed	
22		Balakrishnapuram tank	24.71	Velithangipuram	Arakonam	Vellore	24.71		Formed	
23		Kattupakkam Paleri	21.47	Kattupakkam	Arakonam	Vellore	21.47		Formed	
24		Munipillaithangal tank	7.29	Kattupakkam	Arakonam	Vellore	7.29		Formed	
25		Meleri	52.25	Meleri	Arakonam	Vellore	52.25		Formed	
26		Velithangipuram tank	63.59	Velithangipuram	Arakonam	Vellore	63.59		Formed	
27		Arasankuppam tank	62.78	Arasankuppam	Arakonam	Vellore	62.78		Formed	
28		Nariyanthangal tank	52.65	Peraperi	Arakonam	Vellore	52.65		Formed	
29		Maliyamedu tank	32	Pudur	Arakonam	Vellore	32.00		Formed	
30		Kattupakkam big tank	74.78	Kattupakkam	Arakonam	Vellore		74.78	Formed	
31		Kaveripakkam tank	2673	Kaveripakkam,Kondapuram,Athipattu,Sirukarumbur,Eralacheri,Cheri, Kattalai, Maganipattu,Duraiperumpakkam	Arakonam	Vellore	2673.00		Formed	
32		Alapakkam tank	53.05	Alapakkam	Arakonam	Vellore	53.05		Formed	
33		Sathuvanatham tank	69.94	Sathuvanatham	Arakonam	Vellore	69.94		Formed	
34		Pudupattu big tank	20.25	Pudupattu	Arakonam	Vellore	20.25		Formed	
35		Pudupattuthangal tank	71.69	Pudupattu	Arakonam	Vellore	71.69		Formed	
36		Pudhur	132.44	Pudur	Arakonam	Vellore	132.44		Formed	
37		Upparanthangal	14.18	Upparanthangal	Arakonam	Vellore	14.18		Formed	
38		Gangadaranallur tank	40.5	Gangatharanallore	Arakonam	Vellore	40.50		Formed	
39		Panniyur tank	95.99	Panniyur	Arakonam	Vellore	95.99		Formed	
40		Kilveethi chitteri	148.17	Kilveethi	Arakonam	Vellore	148.17		Formed	

41		Kilveethi big tank	177.32	Kilveethi	Arakonam	Vellore	177.32		Formed	
42		Peraperi tank	65.99	Peraperi	Arakonam	Vellore	65.99		Formed	
43		Thuraiyur tank	76.53	Thuraiyur	Arakonam	Vellore	76.53		Formed	
44		Uliyanallur tank	233.66	Uliyanallore	Arakonam	Vellore	233.66		Formed	
45		Konthankarai tank	43.33	Konthankarai	Arakonam	Vellore	43.33		Formed	
46		Vepperi chitteri	12.53	Vepperi	Arakonam	Vellore	12.53		Formed	
47		Vepperi big tank	53.11	Vepperi	Arakonam	Vellore	53.11		Formed	
48	3	Nemili tank	97.97	Nemili	Arakonam	Vellore	97.97			To be formed
49	4	Kariyakudal tank	73.92	Kariyakudal	Arakonam	Vellore		73.92		To be formed
50		Thenmampakkam tank	91.35	Thenmampakkam	Arakonam	Vellore	91.35		Formed	
51		Reddivalam tank	132.39	Reddivalam	Arakonam	Vellore	132.39		Formed	
52		Thennal tank	46.81	Thennal	Arakonam	Vellore	46.81		Formed	
53		Vettankulam tank	96.23	Vettankulam	Arakonam	Vellore	96.23		Formed	
54		Punnai tank	141.4	Punnai	Arakonam	Vellore	141.40		Formed	
55		Zageerthandalam tank	179.13	Zageerthandalam	Arakonam	Vellore	179.13		Formed	
56		Velleri tank	14.05	Kandigai	Arakonam	Vellore	14.05		Formed	
57		Kilvenpakkam tank	105.34	Kilvenpakkam	Arakonam	Vellore	105.34		Formed	
58		Melvenpakkam tank	41.05	Melvenpakkam	Arakonam	Vellore	41.05		Formed	
59		Sirukarumbur tank	172.46	Sirukarumbur	Arakonam	Vellore	172.46		Formed	
60		Eralacheri tank	16.19	Eralacheri	Arakonam	Vellore	16.19		Formed	
61		Peruvlayam tank	132.46	Peruvalayam	Arakonam	Vellore	132.46		Formed	
62		Kalpalampattu Alanthangal	57.77	Kalpalampattu	Arakonam	Vellore	57.77		Formed	
63		Kalpalampattu Putheri	16.5	Kalpalampattu	Arakonam	Vellore	16.50		Formed	
64		Sivaramanthangal tank	5.91	Sivaramanthangal	Arakonam	Vellore	5.91		Formed	
65		Siruvalayam tank	208.25	Siruvalayam	Arakonam	Vellore	208.25		Formed	
66		Dharmaneethi tank	76.36	Dharmaneethi	Arakonam	Vellore	76.36		Formed	
67		Nangamangalam tank	107.69	Nangamangalam	Arakonam	Vellore	107.69		Formed	
68		Poigainallur Meleri	65.58	Poigainallur	Arakonam	Vellore	65.58		Formed	
69		Poigainallur Periyathangal	45.34	Poigainallur	Arakonam	Vellore	45.34		Formed	

70		Poigainallur Chinnathangal	8.5	Poigainallur	Arakonam	Vellore	8.50		Formed	
71		Poigainallur Kilathangal	14.57	Poigainallur	Arakonam	Vellore	14.57		Formed	
72		Panapakkam tank (NK)	80.64	Panapakkam	Arakonam	Vellore		80.64	Formed	
73		Asanallikuppam tank	223.67	Asanallikuppam	Arakonam	Vellore	223.67		Formed	
74		S.Kolathur tank	122.02	S.Kolathur	Arakonam	Vellore	122.02		Formed	
75		Nelvoy tank	130.37	Neloy	Arakonam	Vellore	130.37		Formed	
76		Pallur big tank	306.84	Pallur	Arakonam	Vellore	306.84		Formed	
77		Pallur chitteri		Pallur	Arakonam	Vellore			Formed	
78		Pallur putheri		Pallur	Arakonam	Vellore			Formed	
79		Illupaithandalam tank	126.44	Illupaithandalam	Arakonam	Vellore	126.44		Formed	
80		Synapuram big tank	284.36	Synapuram	Arakonam	Vellore	284.36		Formed	
81		Synapuram small tank	87.87	Synapuram	Arakonam	Vellore	87.87		Formed	
82	5	Synapuramthangal tank	48.56	Synapuram	Arakonam	Vellore		48.56		To be formed
83		Attupakkam big tank	47.53	Attupakkam	Arakonam	Vellore	47.53		Formed	
84		Attupakkam small tank	95.5	Attupakkam	Arakonam	Vellore	95.50		Formed	
85		Takkolam Kalleri	104.77	Thakkolam	Arakonam	Vellore	104.77		Formed	
86		Arigilpadi tank	142.1	Arigilpadi	Arakonam	Vellore		142.10	Formed	
87	6	Thirumadulampakkam tank	44.52	Thirumadulampakkam	Arakonam	Vellore		44.52		To be formed
88	7	Mangattucheri tank	46.54	Mangattucheri	Arakonam	Vellore		46.54		To be formed
89		Pinnavaram tank	74.84	Pinnavaram	Arakonam	Vellore	74.84		Formed	
90		Kadambanallur tank	117.81	Kadambanallur	Arakonam	Vellore	117.81		Formed	
91		Parameswaramangalam tank	87.66	Parameswaramangalam	Arakonam	Vellore	87.66		Formed	
92		Sendamangalam tank	5.42	Sendamangalam	Arakonam	Vellore	5.42		Formed	
93		Sendamangalam small tank	82.95	Sendamangalam	Arakonam	Vellore	82.95		Formed	
94		Manavanthangal tank	26.3	Manavanthangal	Arakonam	Vellore	26.30		Formed	

95		Ganapathipuram tank	120.95	Ganapathipuram	Arakonam	Vellore	120.95		Formed	
96		Murungai tank	56.68	Murungai	Arakonam	Vellore	56.68		Formed	
97		Takkolam big tank	173.32	Thakkolam	Arakonam	Vellore	173.32		Formed	
98		Chittoor big tank	108.39	Chittoor	Arakonam	Vellore	108.39		Formed	
99		Chittoor small tank	29.44	Chittoor	Arakonam	Vellore	29.44		Formed	
		WATER USERS ASSOCIATIONS IN Thiruvallur DISTRICT								
100	1	Periyakalakattur Chitteri	53.320	Periyakalakattur	Thiruthani	Thiruvallur	-	53.320	-	To be formed
101	2	Thozhudavur Chitteri	171.230	Thozhudavur	Thiruthani	Thiruvallur	-	171.230	-	To be formed
102	3	Orathur Tank	240.720	Orathur	Thiruthani	Thiruvallur	-	240.720	-	To be formed
103	4	Pakasalammal tank	172.830	Pakasalammal	Thiruthani	Thiruvallur	-	172.830	-	To be formed
104	5	J.S. Ramapuram Chitteri	45.590	J.S. Ramapuram	Thiruthani	Thiruvallur	-	45.590	-	To be formed
105	6	Kalambakkam big tank	58.940	Kalambakkam	Thiruthani	Thiruvallur	-	58.940	-	To be formed
106	7	Manavur Hissa Tank	929.300	Manavur	Thiruthani	Thiruvallur	-	929.300	-	To be formed
107	8	Pakasala Lakshmivilasapuram tank	237.580	Lakshmavilasapuram	Thiruthani	Thiruvallur	-	237.580	-	To be formed
108	9	Ponnankulam Tank	71.700	Ponnankulam	Thiruthani	Thiruvallur	-	71.700	-	To be formed
109	10	Harichandrapuram Tank	96.200	Harichandrapuram	Thiruthani	Thiruvallur	-	96.200	-	To be formed
110	11	Arumbakkam kadapperi	106.480	Vysapuram	Thiruthani	Thiruvallur	-	106.480	-	To be formed
111	11	Arumbakkam tella cheruv			Thiruthani	Thiruvallur	-		-	
112	12	Ganesapuram Tank	67.430	Ganesapuram	Thiruthani	Thiruvallur	-	67.430	-	To be formed
113	13	Pulavanallur Tank	53.850	Pulavanallur	Thiruthani	Thiruvallur	-	53.850	-	To be formed
114	14	Chakramallur Tank	58.000	Chakramallur	Thiruthani	Thiruvallur	-	58.000	-	To be formed
115	15	Palayanur Tank	220.470	Palayanur	Thiruthani	Thiruvallur	-	220.470	-	To be formed
116	16	Jageermangalam Asaneri	158.780	Jageermangalam	Thiruthani	Thiruvallur	-	158.780	-	To be formed
117	16	Jageermangalam big tank	169.590	Jageermangalam	Thiruthani	Thiruvallur	-	169.590	-	To be formed
118	16	Jageermangalam chitteri			Thiruthani	Thiruvallur	-		-	
119	17	Narthawada Tank	95.140	Narthawada	Thiruthani	Thiruvallur	-	95.140	-	To be formed

120	18	Tiruvalengadu Netteri	47.880	Tiruvalengadu	Thiruthani	Thiruvallur	-	47.880	-	To be formed
121	19	Gulawadi Tank	61.110	Gulawadi	Thiruthani	Thiruvallur	-	61.110	-	To be formed
122	19	Gulawadi Pattarai Tank	67.430	Gulawadi	Thiruthani	Thiruvallur	-	67.430	-	To be formed
123	20	Manjakuppam Tank	86.23	Manjakuppam	Thiruvallur	Thiruvallur		86.230		To be formed
124	21	Kunnavalam Tank	43.72	Kunnavalam	Thiruvallur	Thiruvallur		43.720		To be formed
125	22	Melvilagam Tank	121.050	Melvilagam	Thiruvallur	Thiruvallur		121.050		To be formed
126	23	Kalaniyanur Big Tank	72.87	Kalaniyanur	Thiruvallur	Thiruvallur		72.870		To be formed
127	23	Kalaniyanur Chitheri	48.58	Kalaniyanur	Thiruvallur	Thiruvallur		48.580		To be formed
128	24	Nemili Agram Tank	90.690	Nemili Agram	Thiruvallur	Thiruvallur		90.690		To be formed
129	25	Thenkaranai Tank	46.56	Thenkaranai	Thiruvallur	Thiruvallur		46.560		To be formed under IAMWARM
130	26	Sennavaram Tank	153.89	Sennavaram	Thiruvallur	Thiruvallur		153.890		To be formed
131	26	Thenkaranai Zeemaleri		Thenkaranai	Thiruvallur	Thiruvallur		0.000		To be formed
132	27	Ramankoil Tank	43.72	Ramankoil	Thiruvallur	Thiruvallur		43.720		To be formed
133	28	Kaivandur Tank	125.91	Kaivandur	Thiruvallur	Thiruvallur		125.910		To be formed
134	29	Panabakkam Big Tank	65.79	Panabakkam	Thiruvallur	Thiruvallur		65.790		To be formed
135	29	Panabakkam Chitheri								
136	30	Vidaiyur Periya Eri	187.45	Vidaiyur	Thiruvallur	Thiruvallur		187.450		To be formed
137	30	Vidaiyur Chitheri								
138	31	Venmanambudur Tank	94.33	Venmanambudur	Thiruvallur	Thiruvallur		94.330		To be formed
139	32	Krishnapuram Tank	46.51	Krishnapuram	Thiruvallur	Thiruvallur		46.510		To be formed
140	32	Ponnapattu Tank	45.75	Ponnapattu	Thiruvallur	Thiruvallur		45.750		To be formed
141	33	Eraiyur Big Tank	57.89	Eraiyur	Thiruvallur	Thiruvallur		57.890		To be formed
142	33	Eraiyur Chitheri	40.62	Eraiyur	Thiruvallur	Thiruvallur		40.620		To be formed
143	34	Attrambakkam Tank	58.3	Attrambakkam	Uthukottai	Thiruvallur		58.300		To be formed

144	35	Thirukandalam Tank	112.960	Thirukandalam	Uthukottai	Thiruvallur		112.960		To be formed
145	36	Athingikavanoor Tank	74.790	Athingikavanoor	Uthukottai	Thiruvallur		74.790		To be formed
146	37	Athivakkam Tank	74.790	Athivakkam	Uthukottai	Thiruvallur		74.790		To be formed
147	38	Nayapakkam Budheri	65.580	Nayapakkam	Uthukottai	Thiruvallur		65.580		To be formed
148	38	Nayapakkam Tank		Nayapakkam	Uthukottai	Thiruvallur		0.000		To be formed
149	38	Ariyathur Tank	43.320	Ariyathur	Uthukottai	Thiruvallur		43.320		To be formed
150	39	Nambakkam Tank	98.870	Nambakkam	Uthukottai	Thiruvallur		98.870		To be formed
151	40	Kadirvedu Tank	54.65	Kadirvedu	Uthukottai	Thiruvallur		54.650		To be formed
152	41	Devandavakkam Tank	48.98	Devandavakkam	Uthukottai	Thiruvallur		48.980		To be formed
153	42	Meyyur Large Tank	40.56	Meyyur	Uthukottai	Thiruvallur		0.000		To be formed
154	43	Korrakkanathandalam Jaderi		Korrakkanathandalam	Uthukottai	Thiruvallur		40.560		To be formed
155	44	Odaippai Big Tank	75.27	Odaippai	Uthukottai	Thiruvallur		75.270		To be formed
156	45	Nelvoy Koppanthangal	56.66	Nelvoy	Uthukottai	Thiruvallur		56.660		To be formed
157	45	Nelvoy Perieri and Chitheri	40.59	Nelvoy	Uthukottai	Thiruvallur		40.590		To be formed
158	46	Nelvoy Reddammaneri	120.34	Nelvoy	Uthukottai	Thiruvallur		120.340		To be formed
159	47	Thimmaboopalapuram	89.03	Thimmaboopalapuram	Uthukottai	Thiruvallur		89.030		To be formed
160	47	Thimmaboopalapuram East Tank	59.05	Thimmaboopalapuram	Uthukottai	Thiruvallur		59.050		To be formed
161	48	Vellathukottai Eracheruvu	102.97	Vellathukottai	Uthukottai	Thiruvallur		102.970		To be formed
162	49	Rangapuram Tank	44.53	Rangapuram	Thiruvallur	Thiruvallur		44.530		To be formed
163	50	Neiveli Tank	87.04	Neiveli	Thiruvallur	Thiruvallur		87.040		To be formed
164	51	Ayalur Mettuthangal	50.850	Ayalur	Thiruvallur	Thiruvallur		50.850		To be formed
165	52	Ayalur Tank	53.850	Ayalur	Thiruvallur	Thiruvallur		53.850		To be formed

166	53	Ikkadu Kalayani Eri	141.300	Ikkadu	Thiruvallur	Thiruvallur		141.300		To be formed
167	54	Ikkadu Big Tank	247.370	Ikkadu	Thiruvallur	Thiruvallur		247.370		To be formed
168	55	Ikkadu New Tank	334.000	Ikkadu	Thiruvallur	Thiruvallur		334.000		To be formed
169	56	Ayathur Thangal	67.760	Ayathur	Thiruvallur	Thiruvallur		67.760		To be formed
170	57	Kakkalur Tank	177.780	Kakkalur	Thiruvallur	Thiruvallur		177.780		To be formed
171	58	Kalambakkam	134.820	Kalambakkam	Thiruvallur	Thiruvallur		134.820		To be formed
172	59	Kalayanakuppam Kos.	104.450	Kalayanakuppam	Thiruvallur	Thiruvallur		104.450		To be formed
173	59	Kalayanakuppam Big Tank		Kalayanakuppam	Thiruvallur	Thiruvallur		0.000		To be formed
174	60	Kilanur Tank	174.090	Kilanur	Thiruvallur	Thiruvallur		174.090		To be formed
175	61	Magral Nadu thangal	55.870	Magral	Thiruvallur	Thiruvallur		55.870		To be formed
176	61	Magral Vizhu thangal	72.060	Magral	Thiruvallur	Thiruvallur		72.060		To be formed
177	62	Magral Tank	74.090	Magral	Thiruvallur	Thiruvallur		74.090		To be formed
178	63	Melanur Tank	108.01	Melanur	Thiruvallur	Thiruvallur		108.010		To be formed
179	64	Melakondaiyur Tank	103.260	Melakondaiyur	Thiruvallur	Thiruvallur		103.260		To be formed
180	65	Othikadu Tank	106.480	Othikadu	Thiruvallur	Thiruvallur		106.480		To be formed
181	66	Pakkam Chitheri	631.580	Pakkam	Thiruvallur	Thiruvallur		631.580		To be formed
182	66	Pakkam Tank	143.520	Pakkam	Thiruvallur	Thiruvallur		143.520		To be formed
183	67	Pakkam Thangal	133.120	Pakkam	Thiruvallur	Thiruvallur		133.120		To be formed
184	68	Perathur	148.180	Perathur	Thiruvallur	Thiruvallur		148.180		To be formed
185	69	Pinnapakkam Tank	121.460	Pinnapakkam	Thiruvallur	Thiruvallur		121.460		To be formed
186	70	Puliyur	208.100	Puliyur	Thiruvallur	Thiruvallur		208.100		To be formed
187	71	Sitrathur Tank	88.660	Sitrathur	Thiruvallur	Thiruvallur		88.660		To be formed
188	72	Sivanvoyal	110.120	Sivanvoyal	Thiruvallur	Thiruvallur		110.120		To be formed

189	73	Thandalam Tank	102.020	Thandalam	Thiruvallur	Thiruvallur		102.020		To be formed
190	74	Vadhatur Tank	248.180	Vadhatur	Thiruvallur	Thiruvallur		248.180		To be formed
191	75	Veeragavapuram Tank	130.240	Veeragavapuram	Thiruvallur	Thiruvallur		130.240		To be formed
192	76	Vilapakkam Tank	51.310	Vilambakkam	Thiruvallur	Thiruvallur		51.310		To be formed
193	76	Vilapaakkam Uranithangal		Vilambakkam	Thiruvallur	Thiruvallur		0.000		To be formed
194	77	Kilambakkam Tank	122.670	Kilambakkam	Thiruvallur	Thiruvallur		122.670		To be formed
195	78	Koduveli Tank	110.120	Koduveli	Thiruvallur	Thiruvallur		110.120		To be formed
196	79	Kommakkambedu Tank	131.960	Kommakkambedu	Thiruvallur	Thiruvallur		131.960		To be formed
197	80	Thamaraipakkam Tank	228.700	Thamaraipakkam	Thiruvallur	Thiruvallur		228.700		To be formed
198	81	Karani Tank	100.000	Karani	Thiruvallur	Thiruvallur		100.000		To be formed
199	82	Sembedu Puderi and Chitheri	163.33	Sembedu	Uthukottai	Thiruvallur		163.330		To be formed
200	83	Allukuli Tank	88.74	Allukuli	Uthukottai	Thiruvallur		88.740		To be formed
201	84	Thirupair Matheri Tank	30.36	Thirupair Matheri	Thiruvallur	Thiruvallur		30.360		To be formed
202	84	Sendrayapalayam Tank	141.3	Sendrayapalayam	Thiruvallur	Thiruvallur		141.300		To be formed
203	85	Velliyur Big Tank	325.510	Velliyur	Thiruvallur	Thiruvallur		325.510		To be formed
204	86	Koduvelli panchanthangal	40.490	Koduvelli	Thiruvallur	Thiruvallur		40.490		To be formed
205	87	Ramathandalam Tank	93.120	Ramathandalam	Thiruvallur	Thiruvallur		93.120		To be formed
206	88	Pandur Tank	267.21	Pandur	Thiruvallur	Thiruvallur		267.210		To be formed
207	89	Minjur	115.510	Minjur	Ponneri	Tiruvallur	-	115.510	-	To be formed
208	90	Thottakadu small Tank	143.035	Thottakadu	Ponneri	Tiruvallur	-	143.035	-	To be formed
209	91	kalpakkam large Tank	113.835	kalpakkam	Ponneri	Tiruvallur	-	113.835	-	To be formed
210	91	Kalpakkam small Tank	joint	Kalpakkam	Ponneri	Tiruvallur	-	joint	-	To be formed

211	91	Vellambakkam large Tank	93.475	Vellambakkam	Ponneri	Tiruvallur	-	93.475	-	To be formed
212	91	Vellambakam small Tank	joint	Vellambakam	Ponneri	Tiruvallur	-	joint	-	To be formed
213	92	Nalur large	514.680	Nalur	Ponneri	Tiruvallur	-	514.680	-	To be formed
214	92	Nalur small	213.705	Nalur	Ponneri	Tiruvallur	-	213.705	-	To be formed
215	93	Marambedu Tank	44.32	Marambedu	Ponneri	Tiruvallur	-	44.32	-	To be formed
216	94	Pandeswaram Tank	170.85	Pandeswaram	Ambattur	Tiruvallur	-	170.850	-	To be formed
217	95	Kadavoor Tank	41.30	Kadavoor		Tiruvallur	-	41.300	-	To be formed
218	96	Melpakkam Tank	46.56	Melpakkam		Tiruvallur	-	46.560	-	To be formed
219	97	Arakkambakkam Tank	78.14	Arakkambakkam	Ambattur	Tiruvallur	-	78.140	-	To be formed
220	98	Vellacheri Tank	104.05	Vellacheri	Ambattur	Tiruvallur	-	104.050	-	To be formed
221	99	Alathur Tank	154.25	Alathur	Ambattur	Tiruvallur	-	154.250	-	To be formed
222	100	Pothur Tank	71.26	Pothur	Ambattur	Tiruvallur	-	71.26	-	To be formed
223	101	Vengal Tank	151.970	Vengal	Thiruvallur	Tiruvallur	-	151.970	-	To be formed
224	102	Poorivakkam Tank	157.260	PoorivakkaTank	Thiruvallur	Thiruvallur		157.260		To be formed
225	103	Karikalavakkam Tank	91.500	Karikalavakkam	Thiruvallur	Thiruvallur		91.500		To be formed
226	104	Guruvoyal Tank	98.790	Guruvoyal	Thiruvallur	Thiruvallur		98.790		To be formed
227	105	Pullarambakkam Tank	319.430	Pullarambakkam	Thiruvallur	Thiruvallur		319.430		To be formed
228	106	Chithambakkam Tank	162.750	Chithambakkam	Thiruvallur	Thiruvallur		162.750		To be formed
229	107	Annathanakakkavakkam Tank	91.895	Annathanakakkavakkam	Uthukottai	Tiruvallur	-	91.895	-	To be formed
230	108	Erumainaickankuppam Tank	41.200	Erumainaickankuppam	Uthukottai	Tiruvallur	-	41.200	-	To be formed

231	109	Neiveli Tank	67.610	Neiveli	Uthukottai	Thiruvallur		67.610		To be formed
232	110	Alinjivakkam Tank	49.800	Alinjivakkam	Uthukottai	Thiruvallur		49.800		To be formed
233	111	Periyakalakattur big tank	670.850	Periyakalakattur	Thiruthani	Thiruvallur	-	670.850	-	To be formed
234	112	Chinnamandalai big tank	68.850	Chinnamandalai	Thiruthani	Thiruvallur	-	68.850	-	To be formed
235	113	Madhavaram Tank	42.91	Madhavaram	Ambattur	Thiruvallur		42.91		To be formed
236	114	Pammadukulam pudu thangal	66.40				-	66.40	-	To be formed
237	114	Pammadukulam Big Tank	40.89	Pammadukulam	Ambattur	Tiruvallur	-	40.89	-	To be formed
238	115	Vellanoor Tank	159.51	Vellanoor	Ambattur	Tiruvallur	-	159.51	-	
239	115	Vellanoor Big Tank	50.61				-	50.61	-	To be formed
240	115	Vellanoor Chitheri	43.72				-	43.72	-	To be formed
241	115	Arakkambedu Tank		Arakkambedu	Ambattur	Thiruvallur		0.000		To be formed
242	116	Mittanamallee Tank	72.06	Mittanamallee		Tiruvallur	-	72.060	-	To be formed
243	117	Koilpadagai Tank	215.79	Koilpadagai	Ambattur	Tiruvallur	-	215.790	-	To be formed
244	118	Karalapakkam Tank	96.36	Karalapakkam		Tiruvallur	-	96.360	-	To be formed
245	119	Keelkondaiyur Tank	131.17	Keelkondaiyur	Ambattur	Tiruvallur	-	131.170	-	To be formed
246	120	Palavedu Tank	250.20	Palavedu	Ambattur	Tiruvallur	-	250.200	-	To be formed
247	120	Palavedu Thangal	251.82				-	251.820	-	To be formed
248	121	Morai Tank	46.96	Morai		Tiruvallur	-	46.960	-	To be formed
249	122	Voyalur vairavan thangal	123.315	Voyalur	Ponneri	Tiruvallur	-	123.315	-	To be formed
250	122	Voyalur periathamarai	175.235	Voyalur	Ponneri	Tiruvallur	-	175.235	-	To be formed

251	122	Voyalur chinna thamarai	joint	Voyalur	Ponneri	Tiruvallur	-	joint	-	To be formed
252	122	Voyalur mamanickal	372.960	Voyalur	Ponneri	Tiruvallur	-	372.960	-	To be formed
253	123	Merattur Tank	156.185	Merattur	Ponneri	Tiruvallur	-	156.185	-	To be formed
254	124	Thiruvellavoyal Large &small	129.755	Thiruvellavoyal	Ponneri	Tiruvallur	-	129.755	-	To be formed
255	125	Thathamanji	138.020	Thathamanji	Ponneri	Tiruvallur	-	138.020	-	To be formed
256	126	Neidavoyal large	354.510	Neidavoyal	Ponneri	Tiruvallur	-	354.510	-	To be formed
257	126	Neidavoyal small	joint	Neidavoyal	Ponneri	Tiruvallur	-	joint	-	To be formed
258	127	Kattur	539.755	Kattur	Ponneri	Tiruvallur	-	539.755	-	To be formed
259	128	Hebramapuram	204.105	Hebramapuram	Ponneri	Tiruvallur	-	204.105	-	To be formed
260	129	Thirunilai Tank	102.79	Thirunilai	Ponneri	Tiruvallur	-	102.79	-	To be formed
261	130	Vellivoyal Tank	97.94	Vellivoyal	Ponneri	Tiruvallur	-	97.94	-	To be formed
262	131	Sembiyam Manali Tank	236.86	Sembiyammanali	Ponneri	Tiruvallur	-	236.86	-	To be formed
263	132	Periyamullaivoyal Tank	197.09	Periyamullaivoyal	Ponneri	Tiruvallur	-	197.09	-	
264	133	Boodur Tank	95.53	Boodur	Ponneri	Tiruvallur	-	95.53	-	To be formed
265	134	Padiyanallur Tank	267.21	Padiyanallur	Ponneri	Tiruvallur	-	267.21	-	To be formed
266	135	Arumandai Tank	94.79	Arumandai	Ponneri	Tiruvallur	-	94.79	-	To be formed
267	136	Gnayar Tank	401.73	Gnayar	Ponneri	Tiruvallur	-	401.73	-	To be formed
268	137	Pattraiperumbudur Tank	264.78	Pattraiperumbudur	Thiruvallur	Thiruvallur		264.780		To be formed
269	138	Thirupatchur Tank	364.37	Thirupatchur	Thiruvallur	Thiruvallur		364.370		To be formed
270	139	Vitchoor Tank	313.64	Vitchoor	Ponneri	Tiruvallur	-	313.64	-	To be formed

271	140	Agaram Tank	99.36	Agaram	Ponneri	Tiruvallur	-	99.36	-	To be formed
272	141	Nerkundram Tank	65.21	Nerkundram	Ponneri	Tiruvallur	-	65.21	-	To be formed
273	142	Kadapakkam Tank	169.61	Kadapakkam	Ambattur	Tiruvallur	-	169.61	-	To be formed
274	143	Perungavoor Tank	259.68	Perungavoor	Ponneri	Tiruvallur	-	259.68	-	To be formed
NO WATER USERS ASSOCIATIONS DUE TO URBANISATION										
275	0	Villanthangal tank	44.530	Villanthangal	Thiruthani	Thiruvallur	-			
276	0	Meyyur Vepperi	94.96	Meyyur	Uthukottai	Thiruvallur				
277	0	Vellathukottai Tank	69.71	Vellathukottai	Uthukottai	Thiruvallur				
278	0	Koilpadagai Chitteri	82.59	Koilpadagai	Ambattur	Tiruvallur	-			
279	0	Puthagaram Tank	50.79	Puthagaram	Ambattur	Thiruvallur				
280	0	Thirumullaivoyal Tank		Thirumullaivoyal						
281	0	Ayyaneri Tank	101.21	Ayyaneri	Ambattur	Thiruvallur				
282	0	Sothupakkam Tank	91.26	Sothupakkam	Ponneri	Tiruvallur	-			
283	0	Ariyalur Tank	56.67	Ariyalur	Ponneri	Tiruvallur	-			
284	0	Manjambakkam Tank	44.52	Manjambakkam	Ponneri	Tiruvallur	-			
285	0	Mathur Tank	80.55	Mathur	Ponneri	Tiruvallur	-			
286	0	Sadayankuppam Tank	168.96	Sadayankuppam	Ambattur	Tiruvallur	-			
287	0	Sendrambakkam Tank	52.82	Sendrambakkam	Ambattur	Tiruvallur	-			
288	0	Sirungavoor Tank	99.18	Sirungavoor	Ponneri	Tiruvallur	-			

289	0	Melsingalimedu Tank	48.98	Melsingalimedu	Ponneri	Tiruvallur	-			
290	0	Vazhuthigaimedu Tank	59.11	Vazhuthigaimedu	Ponneri	Tiruvallur	-			
291	0	Thottakadu large Tank	113.300	Thottakadu	Ponneri	Tiruvallur	-			
292	0	Athipattu thangal	0.000	Athipattu	Ponneri	Tiruvallur	-			
293	0	Perumalpattu Budheri	42.680	Perumalpattu	Thiruvallur	Tiruvallur				
294	0	Perumbakkam Tank	87.040	Perumbakkam	Thiruvallur	Tiruvallur				

ABSTRACT

1)	Command Area already covered under WRCP and other Project / Schemes			3194.250
2)	Command Area proposed to be covered under IAMWARM Project			32062.010
3)	Total Command area controlled by WRO of PWD in the Sub Basin			35256.26
4)	Total No.of WUAs already formed under WRCP			49
5)	Total No.of WUAS proposed to be formed under IAMWARM		Thiruvallur District - 143 Vellore District - 7 Total 150	150
6)	Total No.of WUAs that will cover the entire Sub basin Both in WRCP and IAMWARM Project			199

ANNEXURE-2

Details of "Awareness Creation Activities and Walk- through surveys"

Sl.No	Date of Visit	Names if the Villages Visited	Awareness programme (No.of farmers affended) (prepare the list of farmers with acknowledgement separately and affach)	Walk-Through Survey (No. of farmers particlpted) (prepare the list of farmers with acknowledgement separately and affach)	Remarks
1	12.08.2008	Sayanapuram big Sayanapuram small Asanalikuppam Nelvoy S.Kolathur Senthamangalam big Senthamangalam small Thirumalpur Sayanapuram thangal	43	28	
2	13.08.2008	Kadeperi Bagaveli Valuvambakkam Ponnappanthangal Vangur Nageleri Govindachery Govindachery kuppam Musiri	40	25	
3	14.08.2008	Kilveethichitheri Kilveethi big Konthangarai Peraperi Vepperi big Vepperi small Kariyakudal Nemili	40	32	
4	19.08.2008	Mangalam big	77	28	
		Mangalam chitheri			
		Kilveeranam thangal			

		Suryakulam Vedanthangal Karnavur Reddivalam Thenmambakkam Thennal Punnai Vettankulam Zegeerthandalam Velleri Kilvenbakkam Melvenbakkam			
5	21.08.2008	Mahendravadi Irulanodai Meenakshithangal Balakrishnapuraum Kattupakkam paleri Muniyapillaithangal Meleri Velithangiburam Arasankuppam	45	19	
6	26.08.2008	Nariyanthangal Panabaram Kattupakkam big Maliyamedu Sathuvanatham Pudupattu big Pudupattu thangal	28	17	
7	27.08.2008	Panapakkam Sirukarumbur Eralacheri Karivedu Kariveduchingi Avalur Sadaithangal Sankarampadi Perumbulibakkam Kalpalampattuputheri Dharmaneedhi Nangamangalam Poigainallurmeleri Poigainallurperiyathangal Poigainallurchinna thangal Poigainallurkilthangal	62	23	

8	29.08.2008	Parameswaramangalam	37	17	
		Manganttucheri Kadamabanallur Arigilabadi Kalleri Thirumathulampakkam			
9	21.01.2009	Kaveripakkam Upparnthangal Gangadaranallore Panniyur Alapakkam Pudur Kilveeranam Duraibirumbakkam kondam	42	20	
10	22.01.2009	Jaderi Sumaithangi Marutheri Chittur big Chittur small Manavanthangal Murungai Ganapathipuram Pallur big Pallurchitheri Pallurpuderi	45	19	
11	24.01.2009	Thakkolam big Pinnavaram Attupakkam big Attupakkam chitheri Iluppaithandalam Thakkolamkondam Iluppaithandalam kondam	32	18	
12	02.02.2009	Thuraiyur Uliyanallur Siruvalayam	28	17	
13	05.02.2009	Peruvalayam Kalpalampattu Alanthangal Sivaramanthangal Suppy channel juction	20	15	
14	22.1.2009	Chakramallur Ganesapuram Palayanur Pulavanallur Harichandrapuram Jageermangalam Jageermangalam Chitteri	36	21	
15	24.1.2009	Periyakalakattur Villanthangal	40	20	

		Thozhudavur			
		Orathur J.S.Ramapuram Kalambakkam Manavur L.V. Puram Ponnankulam			
16	28.1.2009	Athipattu Gulawadi Gulawadi pattarai Tiruvalengadu Gulur Mavoor Kanchipadi Kaverirajapuram	34	18	
17	02.07.08	Ayalur Mettu thangal Ayalur Tank Ayathur Tank Perathur Tank Kilanur Tank Puliyur Tank Sivanvoyal Tank Pakkam Chitheri Pakkam Tank Pakkam Thangal	35	22	
18	07.07.08	Allukuli Tank Devandavakkam Tank Kadirvedu Tank Korrakkanathandalam Jaderi Meyyur Vepperi Meyyur Large Tank Nelvoy Reddammaneri Nelvoy Koppanthangal Nelvoy Perieri and Chitheri Odaippai Big Tank Sembedu Puderi and Chitheri Thimmaboopalapuram Thimmaboopalapuram East Tank Vellathukottai Tank Vellathukottai Eracheruvu	43	26	
19	08.07.08	Ekkadu Kalayani Eri Ekkadu Big Tank Ekkadu New Twn Othikkadu Tank Sittrathur Tank Veeragavapuram Tank Karikalavakkam Tank Velliyur Big Tank	34	18	

		Vilambakkam Tank			
		Vilambakkam Urani thangal			
20	10.07.08	Pinnapakkam Tank Kakkalur Tank Kalambakkam Kalayanakuppam Kalayanakuppam Kosavaneri Vadhatur Tank Melakondaiyur Tank Magral Tank Magral Naduthangal Magral Vizhuthangal	45	21	
21	11.07.08	Thandalam Big Tank Thamaraipakkam Tank Kommkkambedu Tank Guruvoyal Tank Karani Tank Koduveli Tank Koduveli Panjathangal	39	18	
22	15.07.08	Kalayanur Big Tank Kalayanur Chitheri Nemiliagram Tank Melvilagam Tank Vidaiyur Big Tank Vidayur Chitheri Kaivandur Tank	32	19	
23	16.07.08	Pattraiperbudur Tank Manjakuppam Tank Thirupair matheri Sendrayanpalayam Tank	25	17	
24	21.07.08	Kunnavalam Tank Rangapuram Tank Krishnapuram Tank Ponnapattu Tank Attrambakkam Tank	23	21	
25	22.07.08	Eraiyur Big Tank Eraiyur chitheri Chitambakkam Tank Ramathandalam Tank Pullarambakkam Tank	35	18	
26	30.07.08.	Ramankoil Sennavaram Panambakkam Big Tank Panambakkam Big Chitheri Thenkaranai Big Tank Thenkaranai Zeemal Eri	41	15	

27	22.01.09.	Venmanambudur Tank Thirupatchur Tank Nayapakkam Budheri Nayapakkam Chitheri Ariyathur Tank	36	19	
28	23.01.09.	Athivakkam Tank Alinjivakkam Tank Athingakavanur Tank Kilambakkam Tank Neiveli Tank Poorivakkam Tank Thirukandalam	42	11	
29	07.07.08	Allukuli Tank Devandavakkam Tank Kadirvedu Tank Korrakkanathandalam Jaderi Meyyur Vepperi Meyyur Large Tank Nelvoy Reddammaneri Nelvoy Koppanthangal Nelvoy Perieri and Chitheri Odaippai Big Tank Sembedu Puderi and Chitheri Thimmaboopalapuram Thimmaboopalapuram East Tank Vellathukottai Tank Vellathukottai Eracheruvu	55	14	
30	28.01.2009	Palavedu Keelkondaiyur Mittnamallee Vellacheri Kadavoor Pandeswaram Morai Arrakkambakkam Karalapakkam Alathur Melpakkam Koilpadagai	48	36	
31	02-02-2009	Vellanoor Pothur Pammmadukulam	24	18	
32	11-07-2008	Gnayar Amoor	12	8	
33	29-07-2008	Sendrambakkam	12	8	

		Siruvakkam			
34	30-07-2008	Marambedu Perungavoor Tirunilai Periyamullaivoyal Sirungavoor Vazhuthiigaimedu	30	18	
35	31-07-2008	Vitchoor Sembiyammanali Vellivoyal	20	12	
36	01-08-2008	Padiyanallur Nerkundram Agaram	20	12	
37	04.11.2008	Manjankaranai, Annathana kakavakkam, Kannigaipair, Alapakkam, 82. Panapakkam, Velapakkam,	45	28	
38	05.11.2008	Maladur, Kalpattu, Enambakkam, Vengal, Vadamadurai, Erumainaickan kuppam, Kakavakkam.	103	58	
39	04.11.2008	Minjur, Merattur, Vellambakkam, Thotakadu, Neidavoyal, Kalpakkam.	62	36	
40	06.11.2008	Vanjivakkam, Thathamanji, Kattur, Voyalur, Thiuvellavoyal, Velur,	119	69	
41	07.11.2008	Elavambedu, Vannipakkam, Anuppampattu, Athipattu.	113	70	
42	12.11.2008	Athreyamagalam, Devadanam, Nalur.	46	25	

ANNEXURE -3

Details of Modernization Works as Suggested by the Farmers and as Finalized by the Officials of WRO

Sl. No	Date of Visit	Name of the Villages Visited	Outcome of walk though survey and discussions with farmers	
			Works suggested by farmers	Works finalized by WRO officials
1	12.08.2008	Sayanapuram big Sayanapuram small Asanalikuppam Nelvoy S.Kolathur Senthamangalam big Senthamangalam small Thirumalpur Sayanapuram thangal	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
2	13.08.2008	Kadeperi Bagaveli Valuvambakkam Ponnappanthangal Vangur Nageleri Govindachery Govindachery kuppam Musiri	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
3	14.08.2008	Kilveethichitheri Kilveethi big Konthangarai Peraperi Vepperi big Vepperi small Kariyakudal Nemili	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
4	19.08.2008	Mangalam big Mangalam chitheri Kilveeranam thangal Suryakulam Vedanthangal	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
		Karnavur		

		Reddivalam Thenmambakkam Thennal Punnai Vettankulam Zegeerthandalam Velleri Kilvenbakkam Melvenbakkam	bed.	
5	21.08.2008	Mahendravadi Irulanodai Meenakshithangal Balakrishnapuraum Kattupakkam paleri Muniyapillaithangal Meleri Velithangiburam Arasankuppam	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
6	26.08.2008	Nariyanthangal Panabaram Kattupakkam big Maliyamedu Sathuvanatham Pudupattu big Pudupattu thangal	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
7	27.08.2008	Panapakkam Sirukarumbur Eralacheri Karivedu Kariveduchingi Avalur Sadaithangal Sankarampadi Perumbulibakkam Kalpalampattuputheri Dharmaneedhi Nangamangalam Poigainallurmeleri Poigainallurperiyathangal Poigainallurchinna thangal Poigainallurkilthangal	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel

8	29.08.2008	Parameswaramangalam Manganttucheri Kadamabanallur Arigilabadi Kalleri Thirumathulampakkam	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
9	21.01.2009	Kaveripakkam Upparnthangal Gangadaranallore Panniyur Alapakkam Pudur Kilveeranam Duraibirumbakkam kondam Jaderi Sumaithangi Marutheri	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
10	22.01.2009	Chittur big Chittur small Manavanthangal Murungai Ganapathipuram Pallur big Pallurchitheri Pallurpuderi	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
11	24.01.2009	Thakkolam big Pinnavaram Attupakkam big Attupakkam chitheri Iluppaithandalam Thakkolamkondam Iluppaithandalam kondam	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
12	02.02.2009	Thuraiyur Uliyanallur Siruvalayam	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
13	05.02.2009	Peruvalayam	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of
		Kalpalampattu Alanthangal		
		Sivaramanthangal		
		Suppy channel juction		

			Channel Eviction of Encroachment, Deepening of tank bed.	channel
14	22.1.2009	Chakramallur Ganesapuram Palayanur Pulavanallur Harichandrapuram Jageermangalam	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, repairs to weir, improvements to field channel
15	24.1.2009	Periyakalakattur Villanthangal Thozhudavur Orathur J.S. Ramapuram Kalambakkam Manavur L.V. Puram Ponnankulam	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, repairs to weir, improvements to field channel
16	28.1.2009	Athipattu Gulawadi Tiruvalengadu Gulur Mavoor Kanchipadi Kaverirajapuram	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, repairs to weir, improvements to field channel
17	02.07.08	Ayalur Mettu thangal Ayalur Tank Ayathur Tank Perathur Tank Kilanur Tank Puliyur Tank Sivanvoyal Tank Pakkam Chitheri Pakkam Tank Pakkam Thangal	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
18	07.07.08	Allukuli Tank Devandavakkam Tank Kadirvedu Tank Korrakkanathandalam Jaderi Meyyur Vepperi Meyyur Large Tank Nelvoy Reddammaneri Nelvoy Koppanthangal	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.

		Nelvoy Perieri and Chitheri	deepening of tank bed.	
		Odaippai Big Tank		
		Sembedu Puderi and Chitheri		
		Thimmaboopalapuram Thimmaboopalapuram East Tank Vellathukottai Tank Vellathukottai Eracheruvu		
19	08.07.08	Ekkadu Kalayani Eri Ekkadu Big Tank Ekkadu New Twn Othikkadu Tank Sittrathur Tank Veeragavapuram Tank Karikalavakkam Tank Velliyur Big Tank Vilambakkam Tank Vilambakkam Urani thangal	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
20	10.07.08	Pinnapakkam Tank Kakkalur Tank Kalambakkam Kalayanakuppam Kalayanakuppam Kosavaneri Vadhatur Tank Melakondaiyur Tank Magral Tank Magral Naduthangal Magral Vizhuthangal	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
21	11.07.08	Thandalam Big Tank Thamaraipakkam Tank Kommkkambedu Tank Guruvoyal Tank Karani Tank Koduveli Tank Koduveli Panjathangal	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
22	15.07.08	Kalayanur Big Tank Kalayanur Chitheri Nemiliagram Tank Melvilagam Tank Vidaiyur Big Tank Vidayur Chitheri Kaivandur Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.

23	16.07.08	Pattraiperbudur Tank Manjakuppam Tank Thirupair matheri Sendrayanpalayam Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
24	21.07.08	Kunnavalam Tank Rangapuram Tank Krishnapuram Tank Ponnapattu Tank Attrambakkam Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
25	22.07.08	Eraiyur Big Tank Eraiyur chitheri Chitambakkam Tank Ramathandalam Tank Pullarambakkam Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
26	30.07.08.	Ramankoil Sennavaram Panambakkam Big Tank Panambakkam Big Chitheri Thenkaranai Big Tank Thenkaranai Zeemal Eri	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
27	22.01.09.	Venmanambudur Tank Thirupatchur Tank Nayapakkam Budheri Nayapakkam Chitheri Ariyathur Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
28	23.01.09.	Athivakkam Tank Alinjivakkam Tank Athingakavanur Tank Kilambakkam Tank Neiveli Tank Poorivakkam Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.

		Thirukandalam Tank	deepening of tank bed.	
29	07.07.08	Allukuli Tank Devandavakkam Tank Kadirvedu Tank Korrakkanathandalam Jaderi Meyyur Vepperi Meyyur Large Tank Nelvoy Reddammaneri Nelvoy Koppanthangal Nelvoy Perieri and Chitheri Odaippai Big Tank Sembedu Puderi and Chitheri Thimmaboopalapuram Thimmaboopalapuram East Tank Vellathukottai Tank Vellathukottai Eracheruvu	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
30	28.01.2009	Palavedu Keelkondaiyur Mittnamallee Vellacheri Kadavoor Pandeswaram Morai Arrakkambakkam Karalapakkam Alathur Melpakkam Koilpadagai	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
31	02-02-2009	Vellanoor Pothur Pammmadukulam	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
32	11-07-2008	Gnayar Amoor	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel

33	29-07-2008	Sendrambakkam	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
		Siruvakkam		
34	30-07-2008	Marambedu	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
		Perungavoor		
		Tirunilai		
		Periyamullaivoyal		
		Sirungavoor		
		Vazhuthiigaimedu		
35	31-07-2008	Vitchoor	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, repairs to weir, improvements to field channel
		Sembiyammanali		
		Vellivoyal		
36	01-08-2008	Padiyanallur	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
		Nerkundram		
		Agaram		

37	04.11.2008	Manjankaranai, Annathana kakavakkam, Kannigaipair, Alapakkam, 82.Panapakkam, Velapakkam,	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.
38	05.11.2008	Maladur, Kalpattu, Enambakkam, Vengal, Vadamadurai, Erumainaickan kuppam, Kakavakkam.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.

39	04.11.2008	Minjur, Merattur, Vellambakkam, Thotakadu, Neidavoyal, Kalpakkam.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.
40	06.11.2008	Vanjivakkam, Thathamanji, Kattur, Voyalur, Thiuvellavoyal, Velur,	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.

41	07.11.2008	Elavambedu, Vannipakkam, Anuppampattu, Athipattu.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.
42	12.11.2008	Athreyamagalam, Devadanam, Nalur.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.

DETAILS OF WATER USERS ASSOCIATION IN KOSASTHALAIYAR SUB BASIN

Sl.	WUA No.	Reinfed/ Non system	Name of Village	Name of Village	Ayacut in Ha.
1	**2**	**3**	**4**		**9**
	WATER USERS ASSOCIATIONS IN VELLORE DISTRICT				
1	1		Govindacherikuppam	Govindacherikuppam tank	70.05
2	2		Banavaram	Banavaram tank	102.87
3	3		Nemili	Nemili tank	
4	4		Kariyakudal	Kariyakudal tank	73.92
5	5		Synapuram	Synapuramthangal tank	48.56
6	6		Thirumadulampakkam	Thirumadulampakkam tank	44.52
7	7		Mangattucheri	Mangattucheri tank	46.54
					386.46
	WATER USERS ASSOCIATIONS IN Thiruvallur DISTRICT				
8	1		Periyakalakattur Chitteri	Periyakalakattur	53.320
9	2		Thozhudavur Chitteri	Thozhudavur	171.230
10	3		Orathur Tank	Orathur	240.720
11	4		Pakasalammal tank	Pakasalammal	172.830
12	5		J.S. Ramapuram Chitteri	J.S. Ramapuram	45.590
13	6		Kalambakkam big tank	Kalambakkam	58.940
14	7		Manavur Hissa Tank	Manavur	929.300
15	8		Pakasala Lakshmivilasapuram tank	Lakshmavilasapuram	237.580
16	9		Ponnankulam Tank	Ponnankulam	71.700
17	10		Harichandrapuram Tank	Harichandrapuram	96.200
18	11		Arumbakkam kadapperi	Vysapuram	106.480
19	11		Arumbakkam tella cheruv		
20	12		Ganesapuram Tank	Ganesapuram	67.430
21	13		Pulavanallur Tank	Pulavanallur	53.850
22	14		Chakramallur Tank	Chakramallur	58.000
23	15		Palayanur Tank	Palayanur	220.470
24	16		Jageermangalam Asaneri	Jageermangalam	158.780
25	16		Jageermangalam big tank	Jageermangalam	169.590
26	16		Jageermangalam chitteri		
27	17		Narthawada Tank	Narthawada	95.140
28	18		Tiruvalengadu Netteri	Tiruvalengadu	47.880
29	19		Gulawadi Tank	Gulawadi	61.110
30	19		Gulawadi Pattarai Tank	Gulawadi	67.430
31	20		Manjakuppam Tank	Manjakuppam	86.230
32	21		Kunnavalam Tank	Kunnavalam	43.720

33	22		Melvilagam Tank	Melvilagam	121.050
34	23		Kalaniyanur Big Tank	Kalaniyanur	72.870
35	23		Kalaniyanur Chitheri	Kalaniyanur	48.580
36	24		Nemili Agram Tank	Nemili Agram	90.690
37	25		Thenkaranai Tank	Thenkaranai	46.560
38	26		Sennavaram Tank	Sennavaram	153.890
39	26		Thenkaranai Zeemaleri	Thenkaranai	0.000
40	27		Ramankoil Tank	Ramankoil	43.720
41	28		Kaivandur Tank	Kaivandur	125.910
42	29		Panabakkam Big Tank	Panabakkam	65.790
43	29		Panabakkam Chitheri		
44	30		Vidaiyur Periya Eri	Vidaiyur	187.450
45	30		Vidaiyur Chitheri		
46	31		Venmanambudur Tank	Venmanambudur	94.330
47	32		Krishnapuram Tank	Krishnapuram	46.510
48	32		Ponnapattu Tank	Ponnapattu	45.750
49	33		Eraiyur Big Tank	Eraiyur	57.890
50	33		Eraiyur Chitheri	Eraiyur	40.620
51	34		Attrambakkam Tank	Attrambakkam	58.300
52	35		Thirukandalam Tank	Thirukandalam	112.960
53	36		Athingikavanoor Tank	Athingikavanoor	74.790
54	37		Athivakkam Tank	Athivakkam	74.790
55	38		Nayapakkam Budheri	Nayapakkam	65.580
56	38		Nayapakkam Tank	Nayapakkam	0.000
57	38		Ariyathur Tank	Ariyathur	43.320
58	39		Nambakkam Tank	Nambakkam	98.870
59	40		Kadirvedu Tank	Kadirvedu	54.650
60	41		Devandavakkam Tank	Devandavakkam	48.980
61	42		Meyyur Large Tank	Meyyur	0.000
62	43		Korrakkanathandalam Jaderi	Korrakkanathandalam	40.560
63	44		Odaippai Big Tank	Odaippai	75.270
64	45		Nelvoy Koppanthangal	Nelvoy	56.660
65	45		Nelvoy Perieri and Chitheri	Nelvoy	40.590
66	46		Nelvoy Reddammaneri	Nelvoy	120.340
67	47		Thimmaboopalapuram	Thimmaboopalapuram	89.030
68	47		Thimmaboopalapuram East Tank	Thimmaboopalapuram	59.050
69	48		Vellathukottai Eracheruvu	Vellathukottai	102.970
70	49		Rangapuram Tank	Rangapuram	44.530
71	50		Neiveli Tank	Neiveli	87.040
72	51		Ayalur Mettuthangal	Ayalur	50.850
73	52		Ayalur Tank	Ayalur	53.850
74	53		Ikkadu Kalayani Eri	Ikkadu	141.300

75	54		Ikkadu Big Tank	Ikkadu	247.370
76	55		Ikkadu New Tank	Ikkadu	334.000
77	56		Ayathur Thangal	Ayathur	67.760
78	57		Kakkalur Tank	Kakkalur	177.780
79	58		Kalambakkam	Kalambakkam	134.820
80	59		Kalayanakuppam Kos.	Kalayanakuppam	104.450
81	59		Kalayanakuppam Big Tank	Kalayanakuppam	0.000
82	60		Kilanur Tank	Kilanur	174.090
83	61		Magral Nadu thangal	Magral	55.870
84	61		Magral Vizhu thangal	Magral	72.060
85	62		Magral Tank	Magral	74.090
86	63		Melanur Tank	Melanur	108.010
87	64		Melakondaiyur Tank	Melakondaiyur	103.260
88	65		Othikadu Tank	Othikadu	106.480
89	66		Pakkam Chitheri	Pakkam	631.580
90	66		Pakkam Tank	Pakkam	143.520
91	67		Pakkam Thangal	Pakkam	133.120
92	68		Perathur	Perathur	148.180
93	69		Pinnapakkam Tank	Pinnapakkam	121.460
94	70		Puliyur	Puliyur	208.100
95	71		Sitrathur Tank	Sitrathur	88.660
96	72		Sivanvoyal	Sivanvoyal	110.120
97	73		Thandalam Tank	Thandalam	102.020
98	74		Vadhatur Tank	Vadhatur	248.180
99	75		Veeragavapuram Tank	Veeragavapuram	130.240
100	76		Vilapakkam Tank	Vilambakkam	51.310
101	76		Vilapaakkam Uranithangal	Vilambakkam	0.000
102	77		Kilambakkam Tank	Kilambakkam	122.670
103	78		Koduveli Tank	Koduveli	110.120
104	79		Kommakkambedu Tank	Kommakkambedu	131.960
105	80		Thamaraipakkam Tank	Thamaraipakkam	228.700
106	81		Karani Tank	Karani	100.000
107	82		Sembedu Puderi and Chitheri	Sembedu	163.330
108	83		Allukuli Tank	Allukuli	88.740
109	84		Thirupair Matheri Tank	Thirupair Matheri	30.360
110	84		Sendrayapalayam Tank	Sendrayapalayam	141.300
111	85		Velliyur Big Tank	Velliyur	325.510
112	86		Koduvelli panchanthangal	Koduvelli	40.490
113	87		Ramathandalam Tank	Ramathandalam	93.120
114	88		Pandur Tank	Pandur	267.210

115	89		Minjur	Minjur	115.510
116	90		Thottakadu small Tank	Thottakadu	143.035
117	91		kalpakkam large Tank	kalpakkam	113.835
118	91		Kalpakkam small Tank	Kalpakkam	joint
119	91		Vellambakkam large Tank	Vellambakkam	93.475
120	91		Vellambakam small Tank	Vellambakam	joint
121	92		Nalur large	Nalur	514.680
122	92		Nalur small	Nalur	213.705
123	93		Marambedu Tank	Marambedu	44.32
124	94		Pandeswaram Tank	Pandeswaram	170.850
125	95		Kadavoor Tank	Kadavoor	41.300
126	96		Melpakkam Tank	Melpakkam	46.560
127	97		Arakkambakkam Tank	Arakkambakkam	78.140
128	98		Vellacheri Tank	Vellacheri	104.050
129	99		Alathur Tank	Alathur	154.250
130	100		Pothur Tank	Pothur	71.26
131	101		Vengal Tank	Vengal	151.970
132	102		Poorivakkam Tank	Poorivakkam Tank	157.260
133	103		Karikalavakkam Tank	Karikalavakkam	91.500
134	104		Guruvoyal Tank	Guruvoyal	98.790
135	105		Pullarambakkam Tank	Pullarambakkam	319.430
136	106		Chithambakkam Tank	Chithambakkam	162.750
137	107		Annathanakakkavakkam Tank	Annathanakakkavakkam	91.895
138	108		Erumainaickankuppam Tank	Erumainaickankuppam	41.200
139	109		Neiveli Tank	Neiveli	67.610
140	110		Alinjivakkam Tank	Alinjivakkam	49.800
141	111		Periyakalakattur big tank	Periyakalakattur	670.850
142	112		Chinnamandalai big tank	Chinnamandalai	68.850
143	113		Madhavaram Tank	Madhavaram	42.91
144	114		Pammadukulam pudu thangal		66.40
145	114		Pammadukulam Big Tank	Pammadukulam	40.89
146	115		Vellanoor Tank	Vellanoor	159.51
147	115		Vellanoor Big Tank		50.61
148	115		Vellanoor Chitheri		43.72
149	115		Arakkambedu Tank	Arakkambedu	0.000

150	116		Mittanamallee Tank	Mittanamallee	72.060
151	117		Koilpadagai Tank	Koilpadagai	215.790
152	118		Karalapakkam Tank	Karalapakkam	96.360
153	119		Keelkondaiyur Tank	Keelkondaiyur	131.170
154	120		Palavedu Tank	Palavedu	250.200
155	120		Palavedu Thangal		251.820
156	121		Morai Tank	Morai	46.960
157	122		Voyalur vairavan thangal	Voyalur	123.315
158	122		Voyalur periathamarai	Voyalur	175.235
159	122		Voyalur chinna thamarai	Voyalur	joint
160	122		Voyalur mamanickal	Voyalur	372.960
161	123		Merattur Tank	Merattur	156.185
162	124		Thiruvellavoyal Large &small	Thiruvellavoyal	129.755
163	125		Thathamanji	Thathamanji	138.020
164	126		Neidavoyal large	Neidavoyal	354.510
165	126		Neidavoyal small	Neidavoyal	joint
166	127		Kattur	Kattur	539.755
167	128		Hebramapuram	Hebramapuram	204.105
168	129		Thirunilai Tank	Thirunilai	102.79
169	130		Vellivoyal Tank	Vellivoyal	97.94
170	131		Sembiyam Manali Tank	Sembiyammanali	236.86
171	132		Periyamullaivoyal Tank	Periyamullaivoyal	197.09
172	133		Boodur Tank	Boodur	95.53
173	134		Padiyanallur Tank	Padiyanallur	267.21
174	135		Arumandai Tank	Arumandai	94.79
175	136		Gnayar Tank	Gnayar	401.73
176	137		Pattraiperumbudur Tank	Pattraiperumbudur	264.780
177	138		Thirupatchur Tank	Thirupatchur	364.370
178	139		Vitchoor Tank	Vitchoor	313.64
179	140		Agaram Tank	Agaram	99.36
180	141		Nerkundram Tank	Nerkundram	65.21
181	142		Kadapakkam Tank	Kadapakkam	169.61
182	143		Perungavoor Tank	Perungavoor	259.68
					22439.155
					386.46
					22825.615

WALK THROUGH SURVEY

Sl. No	Walk Through Survey		Farmers request	Technical Solution										Proposals in Plan								Remarks
	Date	Location		WRO	Agri	Horti	AED	TNAU	AGMT	AHD	Fisheries	WRO		Agri	Horti	AED	TNAU	AGMT	AHD	Fisheries	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1		Kadapperi tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund Sluice Reconstruction sluice repair weir repair supply channel	706 m 1 No 2Nos 2 nos 1500m								
2		Maruderi tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	747 m								
												Sluice Repair	2 Nos								
												Weir Repair	2 Nos								
												Supply channel	1100 m								

3	21.01.09	Sumaithangi tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1813 m								
												Sluice Repair	3 Nos								
												Weir Repair	2 Nos								
												Supply channel	2500 m								
4	21.01.09	Jaderi	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1859 m								
												Sluice Recons.	3 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1100 m								
5		Bagaveli tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1859 m								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	1300 m								

6		Valluvampakkam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1828 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	2 Nos								
												Weir Repair	2 Nos								
												Supply channel	1200 m								
7		Ponnappanthangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2499 m								
												Sluice Recons.	3 Nos								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1500 m								
8		Vangur Nagaleri tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	853 m								
												Sluice Recons.	1 No								
												Weir Repair	1 No								
9		Govindacheri tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and	All works are full filled								Bund	2956 m								
												Weir Repair	1 No								

			Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc									Supply channel	2500 m								
10		Govindacherikuppam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	690 m								
												Weir Repair	1 No								
												Supply channel	1200 m								
11		Musiri tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	540 m								
												Sluice Recons.	2 Nos								
												Weir Repair	1 No								
												Supply channel	3000 m								

12		Mangalam big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1210 m								
												Sluice Repair	3 Nos								
												Weir Repair	2 Nos								
												Supply channel	1100 m								
13		Mangalam chitteri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1112 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1200 m								
14	21.01.09	Kilveeranam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1115 m								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	1100 m								

15	21.01.09	Kilveeranamthangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and Evcition of Encroachement,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1567 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1200 m								
16	21.01.09	Suriyakulam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	571 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1100 m								
17		Maliyamedu tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	774 m								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1200 m								

18		Vedanthangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and Evcition of Encroachement,Repair and Shutter provisions.,etc	All works are full filled								Bund	1480 m								
												Sluice Recons.	2 Nos								
												Weir Repair	1 No								
												Supply channel	2000 m								
19	21.01.09	Pudur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1720 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	2500 m								
20		Mahendravadi tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2135 m								
												Sluice Repair	31 Nos								
												Weir Repair	2 Nos								
												Supply channel	5000 m								

21		Irulan Odai tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	603 m								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	500 m								
22		Meenakshithangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	865 m								
												Supply channel	700 m								
23		Balakrishnapuram tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1348 m								
												Sluice Recons.	1 No								
												Weir Repair	1 No								
												Supply channel	2000 m								
24		Kattupakkam Paleri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and	All works are full filled								Bund	1262 m								
												Sluice Recons.	1 No								

			Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc									Sluice Repair	1 No								
												Supply channel	1300 m								
25		Munipillaithangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	332 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Supply channel	800 m								
26		Meleri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1066 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Supply channel	2500 m								
27		Velithangipuram tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and	All works are full filled								Bund	1255 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	2 Nos								

			Shutter provisions.,etc									Supply channel	2200 m								
28		Arasankuppam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1762 m								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	2500 m								
29		Nariyanthangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1005 m								
												Sluice Repair	1 No								
												Supply channel	2200 m								
30		Banavaram tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	762 m								
												Sluice Repair	1 No								
												Weir Repair	2 Nos								
												Supply channel	3000 m								

31		Kattupakkam big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	884 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	3000 m								
32	21.01.09	Kaveripakkam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	6000 m								
												Sluice Repair	14 Nos								
												Weir Repair	2 Nos								
												Supply channel	6000 m								
33	21.01.09	Alapakkam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1300 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	1500 m								

34		Sathuvanatham tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	734 m								
												Sluice Recons.	1 No								
												Weir Repair	1 No								
												Supply channel	1800 m								
35		Pudupattu big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	824 m								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	4000 m								
36		Pudupattuthangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	625 m								
												Supply channel	5000 m								
37		Karnavoor tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel	All works are full filled								Bund	1417 m								
												Sluice Repair	2 Nos								
												Weir Repair	2 Nos								

			Strengthening the tank bund and kondam Repair and Shutter provisions.,etc									Supply channel	1500 m								
38	21.01.09	Upparanthangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	560 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1700 m								
39	21.01.09	Gangadaranallur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1127 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	2200 m								
40		Panniyur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	850 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	1500 m								

41		Kilveethi chitteri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1100 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1200 m								
42		Kilveethi big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2250 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	2 Nos								
												Supply channel	1800 m								
43		Peraperi tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	3500 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	5500 m								

44		Thuraiyur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1188 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	1500 m								
45		Uliyanallur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1676 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	2 Nos								
												Supply channel	3000 m								
46		Konthankarai tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and	All works are full filled								Bund	1158 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								

			kondam Repair and Shutter provisions.,etc									Supply channel	800 m								
47		Vepperi chitteri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	488 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1400 m								
48		Vepperi big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1768 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	800 m								
49		Nemili tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1341 m								
												Sluice Recons.	2 Nos								
												Supply channel	1500 m								

50		Kariyakudal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1300 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	2200 m								
51		Thenmampakkam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1200 m								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	2300 m								
52		Reddivalam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2377 m								
												Sluice Recons.	1 No								
												Weir Repair	1 No								
												Supply channel	5300 m								

53		Thennal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1646 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1600 m								
54		Vettankulam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1524 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	2 Nos								
												Weir Repair	2 Nos								
												Supply channel	1600 m								
55		Punnai tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2286 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 No								
												Weir Repair	1 No								
												Supply channel	1400 m								

56		Zageerthandalam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2712 m								
												Sluice Recons.	1 No								
												Sluice Repair	3 Nos								
												Weir Repair	1 No								
												Supply channel	4000 m								
57		Velleri tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1311 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1000 m								
58		Kilvenpakkam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2561 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	2000 m								
59		Melvenpakkam tank	Farmers requested to Reconstruction of	All works are full filled								Bund	1280 m								

			sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc									Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Supply channel	1600 m								
60		Sirukarumbur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1585 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	2500 m								
61		Eralacheri tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	671 m								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	2700 m								

62		Karivedu tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	3383 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	4 Nos								
												Weir Repair	1 No								
												Supply channel	3500 m								
63		Kalathur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2835 m								
												Sluice Recons.	1 No								
												Sluice Repair	4 Nos								
												Weir Repair	2 Nos								
												Supply channel	2500 m								
64		Avalur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2591 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	3 Nos								
												Weir Repair	2 Nos								
												Supply channel	2500 m								

65		Sadaithangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1799 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	2000 m								
66		Sankarampadi tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1100 m								
												Sluice Recons.	1 No								
												Sluice Repair	5 Nos								
												Weir Repair	2 Nos								
												Supply channel	3000 m								
67		Perumpulipakkam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2347 m								
												Sluice Recons.	1 No								
												Sluice Repair	5 Nos								
												Weir Repair	1 No								
												Supply channel	3000 m								
68		Karivedu chithangi tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and	All works are full filled								Bund	1710 m								
												Sluice Repair	3 Nos								

			Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc									Weir Repair	1 No								
69		Peruvlayam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2469 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	3 Nos								
												Weir Repair	1 No								
												Supply channel	3000 m								
70		Kalpalampattu Alanthangal	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	853 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	1000 m								
71		Kalpalampattu Putheri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter	All works are full filled								Bund	457 m								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	4200 m								

			provisions.,etc																		
72		Sivaramanthangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	762 m								
												Sluice Recons.	1 No								
												Supply channel	800 m								
73		Siruvalayam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1585 m								
												Sluice Recons.	3 Nos								
												Sluice Repair	2 Nos								
												Weir Repair	2 Nos								
												Supply channel	3000 m								
74		Dharmaneethi tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1006 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	4500 m								

75		Nangamangalam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	3200 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	4000 m								
76		Poigainallur Meleri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and Evcition of Encroachement,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1433 m								
												Sluice Recons.	1 No								
												Weir Repair	1 No								
												Supply channel	3500 m								
77		Poigainallur Periyathangal	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	975 m								
												Sluice Recons.	1 No								
												Weir Repair	1 No								
												Supply channel	1000 m								
78		Poigainallur Chinnathangal	Farmers requested to Reconstruction of sluices,Repairs to	All works are full filled								Bund	126 m								
												Sluice Recons.	1 No								

			sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc									Supply channel	1000 m								
79		Poigainallur Kilathangal	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1280 m								
												Sluice Recons.	1 No								
												Weir Repair	1 No								
												Supply channel	600 m								
80		Panapakkam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1050 m								
												Sluice Repair	3 Nos								
												Weir Repair	1 No								
81		Asanallikuppam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and	All works are full filled								Bund	2800 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	1 No								
												Weir Repair	1 No								

			kondam Repair and Shutter provisions.,etc									Supply channel	3500 m								
82		S.Kolathur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1707 m								
												Sluice Recons.	2 Nos								
												Weir Repair	1 No								
												Supply channel	8000 m								
												Bund	2560 m								
83		Nelvoy tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Sluice Recons.	2 Nos								
												Sluice Repair	1 No								
												Weir Repair	2 Nos								
												Supply channel	4500 m								
84		Tirumalpur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and	All works are full filled								Bund	1980 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	1 No								
												Weir Repair	1 No								

			Shutter provisions.,etc									Supply channel	4500 m								
85		Pallur big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2684 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	6500 m								
86		Pallur Chitteri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2317 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	1700 m								
87		Pallur Putheri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1525 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
88		Illupaithandalam tank	Farmers requested to Reconstruction of	All works are full filled								Bund	2172 m								

			sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc									Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	6150 m								
89		Synapuram big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2303 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	1 No								
												Weir Repair	2 Nos								
												Supply channel	4500 m								
90		Synapuram small tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1800 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	3200 m								
91		Synapuramthangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the	All works are full filled								Bund	1600 m								
												Sluice Recons.	2 Nos								
												Supply channel	1800 m								

			tank bund and kondam Repair and Shutter provisions.,etc																		
92		Sendamangalam big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1525 m								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	3200 m								
93		Sendamangalam small tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	756 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1200 m								
				All works are full filled																	
94		Pinnavaram tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc									Bund	1677 m								
												Sluice Recons.	2 Nos								
												Weir Repair	1 No								
												Supply channel	4200 m								

95		Takkolam big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	3203 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	6300 m								
96		Takkolam Kalleri	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2412 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	4500 m								
97		Chittoor big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2074 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	1500 m								

98		Chittoor small tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	976 m								
												Sluice Recons.	2 Nos								
												Weir Repair	1 No								
												Supply channel	300 m								
99		Attupakkam big tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1617 m								
												Sluice Recons.	1 No								
												Weir Repair	1 No								
												Supply channel	6800 m								
100		Attupakkam small tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1171 m								
												Sluice Recons.	1 No								
												Supply channel	800 m								

101		Manavanthangal tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1650 m								
												Sluice Recons.	1 No								
												Sluice Repair	1 No								
												Weir Repair	1 No								
102		Kadambanallur tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and ,kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2074 m								
												Sluice Recons.	1 No								
												Sluice Repair	2 Nos								
												Weir Repair	1 No								
												Supply channel	800 m								
103		Ganapathipuram tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2440 m								
												Sluice Recons.	1 no								
												Sluice Repair	1 no								
												Weir Repair	1 no								
												Supply channel	4800 m								

104		Murungai tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2577 m								
												Sluice Repair	3 nos								
												Weir Repair	1 no								
												Supply channel	5800 m								
105		Arigilpadi tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1695 m								
												Sluice Repair	2 nos								
												Weir Repair	1 no								
												Supply channel	2500 m								
106		Thirumadulampakkam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	1730 m								
												Sluice Recons.	2 Nos								
												Sluice Repair	1 No								
												Weir Repair	1 No								
												Supply channel	800 m								
107		Mangattucheri tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and	All works are full filled								Bund	1625 m								
												Sluice Recons.	2 Nos								

			Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc									Weir Repair	1 No								
												Supply channel	750 m								
108		Parameswaraman galam tank	Farmers requested to Reconstruction of sluices,Repairs to sluice and Weir and Desilting of Supply channel Strengthening the tank bund and kondam Repair and Shutter provisions.,etc	All works are full filled								Bund	2379 m								
												Sluice Recons.	2 Nos								
												Weir Repair	1 No								
												Supply channel	2500 m								

Sl. No.	Walk Through Survey		Farmers request	Technical Solution								Proposals in Plan									Remarks
	Date	Location		WRO	Agri	Horti	AED	TNAU	AGMT	AHD	Fisheries	WRO		Agri	Horti	AED	TNAU	AGMT	AHD	Fisheries	
1	2	3	4	5	6	7	8	9	10	11	12	13		14	15	16	17	18	19	20	21
109	22.1.09	Chakkaramallur Tank	Dessilting of supply channel, strengthening of tank bund, lining of field channel, weir repairs and providing plug rods.	Strengthening of tank bund, Desitling of supply channel lining of field channel, weir repairs and providing plug rods.								Tank bund 1524M sluice Repair 3 Nos. Weir repair 1 No. supply channel 500M Field channel 250M									
110	22.1.09	Ganesapuram Tank	Desiling of tank of field channel, Repairs to weir.	Desiling of tank of field channel, Repairs to weir.								Tank bund 854M Sluice Repair 1 No. Sluice recnstruction 1 No. Weir repair 1 No. supply channel 900M field channel									

												400M									
111	22.1.09	Palayanur Tank	Desiling of tank, and lining of field channel.	Desiling of tank, and lining of field channel.								Tank bund 2225M Sluice repair 2 Nos. Weir repair 2 Nos Supply channel 3000M field channel 800M									
112	22.1.09	Pulavanallur Tank	Desiling of supply channel, field channel lining, sluice repairs.	Desiling of supply channel, lining of field channel, sluice and weir repairs works.								Tank bund 1158M Sluice reconstruction 2 Nos. Weir repair 1 No Supply channel 1500M field channel 200M									
113	22.1.09	Harichandrapuram Tank	Desiling of tank, repairs to sluices, field, channel lining, supply channel desilting	Strengthening of tank bund repairs to sluice 2 Nos. weir repair 1 No.								Tank bund 1250M Sluice repair 1 No. sluice reconstruction 1 No. Weir repairs 1 No. supply channel 1800M field channel 375M									

				supply channel Desilting linking of field channel.																	
114	22.1.09	Jageer mangal am Big Tank	Desiling of tank, supply channel and sluice repairs	Strength ening of tank bund, repairs to sluices, lining of field channel.								Tank bund 1981M Sluice repair 2 Nos. Weir repair 1 No. field channel 200M									
115	22.1.09	Jageer mangal am Chitheri	Repairs to sluices, weir and desilting of tank and supply channel.	Strength ening of tank bund, reconstr uction of sluice 2 Nos. Repairs to sluice 1 No. weir 1 No. supply channel Desitling and lining of								Tank bund 1372M Sluice repair 2 Nos Field channel 200M									

				field channel.																
116	24.1.09	Periyakalakattur Bigank	Desiling of supply channel, raising of weir, Repairs to sluice No.1 and Desilting of tank.	Desiling of tank and strengthening of tank bund, supply channel desilting sluice and weir repair.																
117	24.1.09	Periyakalakattur Chitheri	Desiling of tank, Repairs to sluice, repairs to weir and constn.of culvert across supply channel.	Desiling of tank, Repairs to sluice, repairs to weir and constn.of culvert across supply channel.								Tank bund 1524M sluice repairs 2 Nos. Weir repairs 1 No. supply channel 5500M field chanel 700M									

118	24.1.09	Villanthangal Tank	Repairs to weirs, and sluice desilting of tank and supply channel, lining of field channel.	Repairs to weir and sluice, desitling of tank and supply channel, lining of field channel.								Tank bund 671M									
119	24.1.09	Thozhudavur Chitheri	Desiling of tank, and strengthening the tank bund field channel lining, repairs to sluice and weir.	Strengthening of tank bund, field channel lining, Sluice and weir repairs.								Tank bund 1920M sluice reconstruction 2 Nos. Weir repairs 1 No. supply channel 1750M field channel 300M									
120	24.01.09	Orathur Tank	Strengthening the tank bund, supply channel desiting, Repairs to sluice,	Strengthening the tank bund, supply channel desiting, Repairs to sluice,								Tank bund 1798M sluice reconstruction 2 Nos. Weir repairs 1 No. supply chanel 1750M field channel 300M									

121	24.1.09	J.S.Ramapuram Chitheri	Repairs to weir, Desilting of supply channel, strengthening of tank bund, raising of weir.	Desiling of tank and strengthening the tank bund desiling of supply channel, weir and sluice repair.								Tank bund 671M sluice reconstruction 2 Nos. Weir repairs 1 No. supply channel 250M field channel 300M									
122	24.1.09	Kalambakkam Big Tank	Desilting of tank, and widening of tank bund, Repairs to weir, lining of field chanel to a length of 200m.	Strengthening of tank bund Repairs to weir, lining of field channel to a length of 200m and sluice minor repairs.								Tank bund 1325M sluice repairs 1 No. Weir repairs 1 No. supply channel 1500M field channel 200M									

123	24.1.09	Manavur Hiss Tank	Repairs to weir and repairs to sluice 3 Nos. Desilting of supply channel.	Strengthening of tank bund, Desigling of supply channel, repairs to and 3 Nos. of sluice.								Tank bund 4785M sluice repair 1 No. sluice reconstruction 3 Nos. supply channel 3000M field channel 500M									
124	24.1.09	Lakshmi vilasapuram Tank	Desiling of tank and supply channel, lining of field channel.	Desiling of tank and supply channel, lining of field channel.								Tank bund 2256M sluice reconstruction 1 No. Weir reconstruction 1 No. field channel 200M									
125	24.1.09	Ponnangulam Tank	Desiling of tank and supply channel, lining of field channel, repairs to weir and sluice.	Desiling of tank and supply channel, lining of field channel, repairs to weir and sluice.								Tank bund 1036M sluice reconstruction 3 Nos. field channel 450M									

126	28.1.09	Athipattu Tank	Strengthening of tank bund, weir minor repairs, lining of field channel tank bund side core wall	Strengthening of tank bund, weir minor repairs, lining of field channel tank bund side core wall								Tank bund 1219M sluice repairs 2 Nos. Weir repairs 1 No. supply channel 2700M field channel 200M									
127	28.1.09	Gulawadi Tank	Desiling of tank and supply channel, sluice repair and weir repair, lining of field channel.	Desiling of tank and supply channel, sluice repair and weir repair, lining of field channel.								Tank bund 915M sluice repairs 2 Nos. sluice reconstruction 1 No. supply channel 1800M field channel 300M									
128	28.1.09	Gulawadi Pattarai Tank	Widening of tank bund and desilting of tank, repairs to sluice and weir and	Widening of tank bund and desilting of tank, repairs to sluice and weir								Tank bund 610M sluice repairs 1 No. supply channel 2000M field channel 100M									

			desilting of supply channel.	and desilting of supply channel.																	
129	23.1.09	Thiruvalangadu	Sluice repair, revetment works, lining of field channel, strengthening of tank bund.	Reconstruction of sluice, lining of field channel, revetment works in the ront side of tank bund, strengthening of tank bund and desilting of channel.								Tank bund 945M sluice repair 1 No. sluice reconstruction 1 No. Weir repair 1 No. supply channel 4000M field channel 200M									
130	28.1.09	Gulur Mavoor Tank	Desiling of tank, eviction of trees in the tank, Desiling of supply channel, sluice	Desiling of tank and supply channel, sluice and weir repairs, lining of								Tank bund 1097M sluice repairs 2 Nos. Weir repairs 1 No. supplychannel 1200M field channel 200M									

			repairs.	field channel.																
131	28.1.09	Kanchipadi Tank	Strengthening of tank bund, Repairs to weir and sluice, lining of field channel, supply channel desilting.	Strengthening of tank bund, REpairs to weir and sluice lining of field channel, Desiling of supply channel.								Tank bund 1158M sluice repair 1 No. sluice reconstruction 1 No. supply channel 5500M field channel 200M									
132	28.1.09	Kaverirajapuram Digga Cheruvu	Strengthening of tank bund, sluice repair, weir repair.	Strengthening of tank bund, sluice repair and weir repair.								Tank bund 751M sluice repair 1 No. sluice reconstruction 1 No. Weir reconstruction 1 No. supply channel 2000M field channel 200M									

133	30.7.08	Ramankoil	Desilting of supply channel repairs to bund, sluice and weir.	Deisiltin g of supply channel repairs to bund, sluice and weir.								Bund 1400m R.C. sluice 1 No., Repairs to weir 1 No. Supply channel 3000m. Field channel 100m.									
134	30.7.08	Sennavaram	deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds.	Desilting of supply channel repairs to bund, sluice and weir, Eridictio n of Ipomoea weeds.								Bund 1433m R.C. sluice 1 No., Repairs to weir 1 No. Field channel 100m.									
135	23.1.09	Panambakkam Big Tank	deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds.	Desilting of supply channel repairs to bund, sluice and weir, Eridictio n of Ipomoea weeds.								Bund 1829m R.C. sluice 1 No., Repairs to weir 1 No. Supply channel 3000m Field channel 200m.									

136	23.1.09	Panambakkam Chitheri	Strengthening the tank bund.	Strengthening the tank bund.								Bund 1160m Supply channel 250m									
137		Thenkaranai Tank	Repairs to bund, sluice and weir,	repairs to bund, sluice and weir,								Bund 1097m R.C. sluice 1 No., R.C weir 1 No. Field channel 100m.									
138		Thenkaranai Zeemal Eri.	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds.	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds.								Bund 762m R.C. sluice 1 No., Repairs to weir 1 No. Supply channel 300m									
139	15.7.08	Kalaniyanur Big Tank	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds low level causewa	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds								Bund 1400m R.C. sluice 4 No., R.C weir 1 No. Supply channel 2500m Field channel 400m.									

			y across Kosasthalaiyar river	low level causeway across Kosasthalaiyar river																	
140	15.7.08	Kalaniyanur Chitheri	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds low level causeway across Kosasthalaiyar river	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds low level causeway across Kosasthalaiyar river								Bund 1220m R.C. sluice 2 No., Repair weir 1 No. Supply channel 1300m Field channel 200m.									

141		Nemili Agaram Tank	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds low level causeway across Kosasthalaiyar river	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds low level causeway across Kosasthalaiyar river								Bund 950m R.C. sluice 2 No., Repair weir 1 No. Supply channel 2500m Field channel 200m.									
142		Melvilagam Tank	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds low level causeway across Kosasthalaiyar river	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds low level causeway across								Bund 800m R.C. sluice 2 No., R.C weir 1 No. Field channel 400m.									

				Kosasthalaiyar river																	
143		Vidaiyur Periya Eri	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds								Bund 2280m R.C. sluice 2 No., Repair weir 1 No. Supply channel 2800m Field channel 400m.										
144		Vidaiyur Chitheri																			
145	22.1.09	Venmanambudur Tank	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds								Bund 594m R.C. sluice 2 No., Repair weir 1 No. Supply channel 2000m Field channel 200m.										

146	16.7.08	Pattraiperumbudur Tank	Deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds	deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds								Bund 2728m R.C. sluice 3 No., Repair weir 1 No. Supply channel 3800m Field channel 250m.									
147	16.7.08	Manjakuppam Tank	deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds	deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds								Bund 1000m R.C. sluice 2 No., Repair weir 1 No. Supply channel 3500m Field channel 200m.									
148	21.7.08	Kunnavalam Tank	Sluice, surplus course, supply channel, desilting of tank repairs.	Sluice, surplus course, supply channel, desilting of tank repairs.								Bund 832m R.C. sluice 2 No., R.C weir 1 No. Supply channel 2500m Field channel 200m.									

149	22.07.08	Thirupatchur Tank	deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds	deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds								Bund 4100m R.C. sluice 6 No., Repairs weir 2 No. Supply channel 2600m Field channel 450m.									
150	15.7.08	Kaivandur Tank	Supply channel desilting Eridiction of Ipomoea weeds, sluice repairs.	Supply channel desilting Eridiction of Ipomoea weeds, sluice repairs.								Bund 2986m R.C. sluice 3 No., Repairs weir 1 No. Supply channel 3200m Field channel 300m.									
151	21.7.08	Rangapuram Tank	Sluice repairs, desilting of supply channel, surplus weir repairs,	Sluice repairs, desilting of supply channel, surplus weir repairs,								Bund 701m Repair. sluice 1 No., Repairs weir 1 No. Supply channel 2000m Field channel 100m.									

152	21.7.08	Krishnapuram Tank	Sluice repairs, desilting of supply channel, surplus weir repairs,	Sluice repairs, desilting of supply channel, surplus weir repairs,								Bund 661m R.C sluice 2 No., Repairs weir 1 No. Supply channel 4000m Field channel 100m.									
153	16.7.08	Thirupair Matheri Tank	Sluice repairs, desilting of supply channel, surplus weir repairs,	Sluice repairs, desilting of supply channel, surplus weir repairs,								Bund 761m R.C sluice 1 No., Repairs weir 1 No. Supply channel 2000m Field channel 100m.									
154	16.7.08	Sendrayapalayam Tank	Sluice repairs, construction retaining wall sluice right side desilting of tank surplus weir repairs,	Sluice repairs, construction retaining wall sluice right side desilting of tank surplus weir repairs,								Bund 1000m R.C sluice 1 No., Repairs weir 1 No. Supply channel 6000m Field channel 100m.									

155	22.1.09	Nayapakkam Budheri	Sluice repairs, sluice desilting of tank surplus weir repairs,	Sluice repairs, sluice desilting of tank surplus weir repairs,								Repairs weir.1 No.									
156		Nayapakkam Chitheri		Sluice repairs, sluice desilting of tank surplus weir repairs,								Bund 900m R.C sluice 1 No., Field channel 100m.									
157	22.1.09	Ariyathur Tank	Sluice repairs, desilting of tank surplus weir repairs,	Sluice repairs, desilting of tank surplus weir repairs,								Bund 1000m R.C sluice 2 No., Repairs weir 1 No. Supply channel 1000m Field channel 200m.									
158	21.7.08	Ponnapattu Tank	Sluice repairs, strengthening tank bund, surplus weir repairs,	Sluice repairs, strengthening tank bund, surplus weir repairs,								Bund 1188m R.C sluice 2 No., Repairs weir 1 No. Supply channel 1800m Field channel 100m.									

159	21.7.08	Attrambakkam Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, desilting of supply channel,	Sluice repairs, strengthening tank bund, surplus weir repairs, desilting of supply channel,								Bund 1200m R.C sluice 2 No. Repairs weir 1 No. Supply channel 3100m Field channel 200m.									
160	22.07.08	Eraiyur Big Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, desilting of supply channel,	Sluice repairs, strengthening tank bund, surplus weir repairs, desilting of supply channel,								Bund 1200m R.C sluice 3 No. Repairs weir 1 No. Supply channel 1900m Field channel 200m.									
161	22.7.08	Eraiyur Chitheri	Sluice repairs, strengthening tank bund, surplus weir repairs, desilting	Sluice repairs, strengthening tank bund, surplus weir repairs,								Bund 1200m R.C sluice 3 No. Repairs weir 1 No. Supply channel 1900m Field channel 200m.									

			of supply channel,	desilting of supply channel,																	
162	10.7.08	Melanur Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 1707m R.C sluice 4 No. Repairs weir 1 No. Supply channel 3000m Field channel 300m.									
163	10.7.08	Pinnapakkam Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 3383m Repair sluice 1 No. Repairs weir 2 No. Supply channel 4000m Field channel 100m.									

164	22.7.08	Chithapakkam Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 3500m Repair sluice 5 No. Repairs weir 2 No. Supply channel 2100m Field channel 300m.									
165	22.7.08	Ramathandalam Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 1500m Repair sluice 5 No. Repairs weir 2 No. Supply channel 4000m Field channel 300m.									
166	22.7.08	Pullarambakkam Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction	Sluice repairs, strengthening tank bund, surplus weir repairs,								Bund 3800m Repair sluice 6 No. Repairs weir 2 No. Supply channel 2600m Field channel 500m.									

			of Ipomoea weeds,	Eridictio n of Ipomoea weeds,																	
167	08.7.08	Ikkadu Kalayan i Eri	Sluice repairs, strengthe ning tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strength ening tank bund, surplus weir repairs, Eridictio n of Ipomoea weeds,								Bund 1400m Repair sluice 1 No. R.C Sluice No.1 Repairs weir 1 No. Supply channel 2000m Field channel 400m.									
168		Ikkadu Big Tank										Bund 2591m Repair sluice 3 No. R.C Sluice No.1 No. Supply channel 4000m Field channel 400m.									
169		Ikkadu New Tank										Bund 2194m Repair sluice 1 No. Repair weir 2 No.. Field channel 100m.									

170	10.7.08	Kakkalur	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 2682m Repair sluice 3 No. R.C sluice 1 No. Repair weir 2 No.. Supply channel 3000m Field channel 300m.									
171		Kalambakkam										Bund 1951m Repair sluice 2 No. R.C sluice 1 No. Field channel 300m.									
172	10.7.08	Kalayanakuppam Kos.	Sluice repairs, desilting of supply channel, surplus weir repairs,	Sluice repairs, desilting of supply channel, surplus weir repairs,								Bund 2591m Repair sluice 2 No. R.C sluice 1 No. Field channel 300m.									
173		Kalayanakuppam										Bund 1768m R.C. sluice 2 No.Repair 1 No. Field channel 300m.									
174	11.7.08	Thandalam Big Tank	Sluice repairs, strengthening tank bund, surplus weir repairs,	Sluice repairs, desilting of supply channel, surplus weir								Bund 4877m R.C. sluice 2 No.Repair 1 No. Supply channel 1 No. Field channel 160m.									

			Eridiction of Ipomoea weeds,	repairs,																	
175	02.7.08	Ayalur Mettuthangal	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 1518m R.C. sluice 1 No.Repair sluice 1 No. Repair weir 1 No. Supply channel 1000m . Field channel 200m.									
176		Ayalur Tank										Bund 2134m .Repair sluice 4 No. Repair weir 1 No. Supply channel 3000m . Field channel 300m.									
177		Ayathur Thangal										Bund 1707m .Repair sluice 1 No.R.C sluice 1 No. Repair weir 1 No. Supply channel 3000m . Field channel 200m.									

178	02.7.08	Perathur	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Repair sluice 7 Repair weir 1 No. Supply channel 2000m . Field channel 400m.									
179		Kilanur Tank										Repair sluice 4 Rc.sluice 1 No. Repair weir 1 No. Supply channel 4000m . Field channel 300m.									
180	08.7.08	Othikadu Tank	Dessilting of supply channel, strengthening of tank bund, lining of field channel, weir repairs	Dessilting of supply channel, strengthening of tank bund, lining of field channel, weir repairs								Bund 2835m .Repair sluice 4 No. Repair weir 1 No. Supply channel 2000m . Field channel 400m.									
181		Sitrathur Tank										Bund 1920m R.C.sluice 2 Nos. Repair weir 1 No. Supply channel 1500m . Field channel 100m.									
182		Veeragavapuram Tank										Bund 2286m R.C.sluice 1 No1. Repair weir 1 No. Supply									

												channel 1500m . Field channel 150m.									
183	02.7.08	Puliyur	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 3536m R.C.sluice 1 No. Repair sluice 1 No. Repair weir 1 No. Supply channel 3000m . Field channel 400m.									
184		Sivanvoyal										Bund 3170m Repair sluice 3 No. Repair weir 1 No. Supply channel 3000m . Field channel 300m.									
185	10.7.08	Vadhatur Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 2591m R.C sluice 2 No. Repair weir 2 No. Supply channel 2000m . Field channel 210m.									
186		Melakondaiyur Tank										Bund 1280m R.C sluice 1 No. Repair weir 1 No. Supply channel 2000m . Field									

												channel 300m.									
187	02.7.08	Pakkam Chitheri	deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds	deisilting of supply channel repairs to bund, sluice and weir, Eridictio n of Ipomoea weeds								Bund 2103m Repeiar sluice 3 No. Repair weir 1 No. Supply channel 2000m . Field channel 300m.									
188		Pakkam Tank										Bund 2591m Repeiar sluice 4 No.R.C. sluice 1No. Repair weir 1 No. Supply channel 5000m . Field channel 400m.									
189		Pakkam Thangal										Bund 1280m Repeiar sluice 3 Repair weir 1 No. Supply channel 2000m . Field channel 300m.									

190	08.7.08	Karikalavakkam Tank	deisilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds	Desilting of supply channel repairs to bund, sluice and weir, Eridiction of Ipomoea weeds								Bund 3536m Repeiar sluice 4 R.C. sluice 1 No. Repair weir 2 No. Supply channel 2000m . Field channel 400m.									
191		Velliyur Big Tank										Bund 3231m R.C. sluice 1 No. Repair weir 2 No. Supply channel 3000m . Field channel 200m.									
192		Vilapakkam Tank										Bund 1080m R.C. sluice 2 No. Repair weir 2 No. Supply channel 3000m . Field channel 200m.									
193		Vilapakkam Uranithangal										Bund 1100m R.C. sluice 1 No. R.C weir 1 No. Supply channel 3000m . Field channel 60m.									

194	10.7.08	Magral Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 1524m R.C. sluice 1 No. Repair weir 1 No. Supply channel 1000m ..									
195		Magral Nadu thangal										Bund 1640m R.C. sluice 1 No. Repair weir 1 No.									
196		Magral Vizhu thangal										Bund 549m R.C. sluice 1 No. Repair weir 1 No. Supply channel 2000m ..									
197		Thamaraipakkam Tank										Bund 2499m R.C. sluice 2 No. Repair weir 1 No. Supply channel 2000m . Field channel 400m.									
198		Kommakkambedu Tank										Bund 1341m R.C. sluice 1 No. Repair weir 1 No. Supply channel 3000m . Field channel 300m.									

199	10.7.08	Guruvoyal Tank	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,	Sluice repairs, strengthening tank bund, surplus weir repairs, Eridiction of Ipomoea weeds,								Bund 1585m R.C. sluice 1 No. Repair weir 1 No. Supply channel 1500m . Field channel 200m.									
200		Karani Tank										Bund 2528m R.C. sluice 1 No. Repair weir 1 No. Supply channel 1000m . Field channel 200m.									
201		Koduvelli panchanthangal										Bund 472m R.C. sluice 1 No. Supply channel 500m . Field channel 300m.									
202		Koduveli Tank										Bund 2757m R.C. sluice 1 No. Repair 1 No. Supply channel 4000m . Field channel 400m.									
203	10.7.08	Athivakkam Tank	deisilting of supply channel repairs to bund, sluice	deisilting of supply channel repairs to bund,								Bund 1285m R.C. sluice 2 No. Repair 1 No. Supply channel 2000m . Field									

			and weir, Eridiction of Ipomoea weeds	sluice and weir, Eridictio n of Ipomoea weeds							channel 300m.									
204		Alinjivak kam Tank									Bund 1458m R.C. sluice 1 No.. Supply channel 4000m . Field channel 300m.									
205		Athingik avanoor Tank									Bund 1052m R.C. sluice 1 No. Repair weir No.1 Supply channel 7000m . Field channel 300m.									
206		Kilamba kkam Tank									Bund 1707m R.C. sluice 1 No. Field channel 300m.									
207		Neiveli Tank									Bund 1750 Repair weir No.1 Supply channel 1500m . Field channel 100m.									
208		Pooriva kkam Tank									Bund 1929m R.C. sluice 1 No. R.C weir No.1 Supply channel									

												2000m . Field channel 400m.									
209		Thirukandalam Tank										Bund 3541m R.C. sluice 2 No. R.C weir No.1 Supply channel 4000m . Field channel 300m.									
210	01.8.08	Padiyanallur Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.								Bund 1845m R.C. sluice 2 No. R.C. Field channel 400m.									

211	30.7.08	Marambedu Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.								Bund 1104m R.C. sluice 1 No.supply channel 1000m feld channel 200m.									
212	30.7.08	Perungavur Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the								Bund 2650m R.C. sluicel 2 No. weir 1 no supply channel 2000m field channel 400m.									

			field channels.	surplus course field channels.																	
213	30.7.08	Thirunilai Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.								Bund 1939m R.C. sluicel 1 No. weir 1 no supply channel 1000m field channel 400m.									

214	31.7.08	Vitchoor Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.								Bund 4026m R.C. sluicel 1 No. weir 1 no supply channel 1000m field channel 300m.									
215	30.7.08	Periyamullaivoyal Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the								Bund 1708m R.C. sluicel 1 No. supply channel 3000m field channel 300m.									

			field channels.	surplus course field channels.																	
216	31.7.08	Sembiyam Manali Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.								Bund 2555m R.C. sluicel 1 No. weir 1 no supply channel 1000m field channel 300m.									
217	31.7.08	Vellivoyal Tank	Desiling the Tank bund and to strengtheing the tank	Desiling the Tank bund and to strengtheeing the tank								Bund 1577m R.C. sluicel 2 Nosupply channel 1000m field channel 200m.									

			bund, repairs to sluice.	bund, repairs to sluice.																
218	29.7.08	Sendrab akkam	Desiling the Tank bund and to strengthei ng the tank bund, repairs to sluice.	Desiling the Tank bund and to strength eing the tank bund, repairs to sluice.								Bund 1020m								
219	30.7.08	Sirunga voor	Desiling the Tank bund and to strengthei ng the tank bund, repairs to sluice.	Desiling the Tank bund and to strength eing the tank bund, repairs to sluice.								Bund 2286m .								
220	30.7.08	Vazhuth igaimed u Tank	Desiling the Tank bund and to strengthei ng the tank bund, repairs to sluice.	Desiling the Tank bund and to strength eing the tank bund, repairs to sluice.								Bund 1650m R.C. sluice 1 No.supply channel 750m feld channel 200m.								

221	11.7.08	Gnayar Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.								Bund 3441m R.C. sluice 2 No. R.C Weir 2 No. supply channel 6000m feld channel 700m.									
222	01.8.08	Nerkundram Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the								Bund 1187m R.C. sluice 2 No. R.C Weir 1 No. supply channel 4000m feld channel 200m.									

			field channels.	surplus course field channels.																	
223	01.8.08	Agaram Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.								Bund 1800m . supply channel 3000m feld channel 200m.									
224	11.7.08	Amoor Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice	Desiling the tank bed strengthening the tank bund to repair the damage								Bund 3080m R.C. sluice 2 No. R.C Weir 1No. supply channel 13000m feld channel 700m.									

			weir etc., desiling the surplus course field channels.	d sluice weir etc., desiling the surplus course field channels.																	
225	29.7.08	Siruvakkam Tank	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.	Desiling the tank bed strengthening the tank bund to repair the damaged sluice weir etc., desiling the surplus course field channels.								Bund 1000m R.C. sluice 4 No. . supply channel 1000m feld channel 400m.									

226	28.1.09	Koilpathagai Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.								Bund 2100m R.C. sluice 1 No. R.C weir 1 No. . supply channel 500m feld channel 200m.									
227	28.1.09	Mittanamallee Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.								Bund 1172m R.C. sluice 3 No. supply channel 500m feld channel 600m.									
228	28.1.09	Vellacheri Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels	Desiling tank bed, sluice and weir repairs, surplu course, field								Bund 1950m R.C. sluice 1 No. R.C weir 2 No. supply channel 800m feld channel 100m.									

			improvements.	channels improvements.																	
229	28.1.09	Kadavoor Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.								Bund 1250m R.C. sluice 2 No. supply channel 500m feld channel 400m.									
230	28.1.09	Palaveduu Thangal	Desilting of tank bed.	Desilting of tank bed.								Bund 1550m									
231	28.1.09	Keelkondaiyur Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.								Bund 4600m R.C. sluice 3 No. R.C wier 1 No. supply channel 600m feld channel 600m.									

232	28.1.09	Pandeswaram Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.								Bund 2450m R.C. sluice 2 No. R.C wier 1 No. feld channel 600m.									
233	28.1.09	Arakkambakkam Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.								Bund 500m wier 1 No. feld channel 300m.									
234	28.1.09	Karalambakkam Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels	Desiling tank bed, sluice and weir repairs, surplu course, field								Bund 1830m R.C. sluice 3 No. R.C wier 1 No. feld channel 300m.									

			improvements.	channels improvements.																
235	28.1.09	Alathur Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.								Bund 2950m R.C. sluice 2 No. R.C wier 1 No. feld channel 200m.									
236	28.1.09	Melpakkam Tank	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.	Desiling tank bed, sluice and weir repairs, surplu course, field channels improvements.								Bund 1475m R.C. sluice 1 No. R.C wier 1 No. feld channel 100m.									

237	02.2.09	Pamma dukulam	Desiling the surplus drain and improvements to field channel.	Desiling the surplus drain and improvements to field channel.								Bund 920m feld channel 100m.									
238	02.2.09	Pamma dukulam pudhu thangal	Desiling the surplus drain and improvements to field channel.	Desiling the surplus drain and improvements to field channel.								Bund 670m Supply channel feld channel 100m.									
239	02.2.09	Vellano or Big Tank	Desiling the surplus drain and improvements to field channel.	Desiling the surplus drain and improvements to field channel.								Bund 760m R.C sluice 1 No. feld channel 100m.									
240	02.2.09	Vellano or small Tank	Desiling the surplus drain and improvements to field channel.	Desiling the surplus drain and improvements to field								Bund 850m R.C sluice 1 No. feld channel 200m.									

				channel.																	
241	02.2.09	Vellanoor Kandigai	Desiling the surplus drain and improvements to field channel.	Desiling the surplus drain and improvements to field channel.								Bund 750m Supply channel 1800m feld channel 100m.									
242	02.2.09	Pothur	Desiling the surplus drain and improvements to field channel.	Desiling the surplus drain and improvements to field channel.								Bund 790m R..C sluice 1 No. feld channel 200m.									
243	07.7.09	Allukuli Tank	Dessilting of supply channel, strengthening of tank bund, lining of field channel, weir repairs and	Dessilting of supply channel, strengthening of tank bund, lining of field channel, weir repairs																	
		Devandavakkam Tank																			
		Kadirvedu Tank																			
		Korrakkanathandalam Jaderi																			
		Meyyur Vepperi																			

		Meyyur Large Tank	providing plug rods.	and providing plug rods.																	
		Nelvoy Reddammaneri																			
		Nelvoy Koppanthangal																			
		Nelvoy Perieri and Chitheri																			
		Odaippai Big Tank																			
		Sembedu Puderi and Chitheri																			
		Thimmaboopalapuram																			
		Thimmaboopalapuram East Tank																			
		Vellathukottai Tank																			
		Vellathukottai Eracheruvu																			

244	04.11.2008	Manjankaranai, Annathana kakavakkam, Kanniga ipair, Alapakkam, 82. Panapakkam, Velapakkam,	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, in the WSA are to be evicted and	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.																	

			demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided																	

245	05.11.2008	Maladur, Kalpattu, Enambakkam, Vengal, Vadamadurai, Erumaianickankuppam, Kakavakkam.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, in the WSA are to be demarcated, Social	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.																	

			Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided																		

246	04.11.08	Minjur, Merattur, Vellambakkam, Thotakadu, Neidavoyal, Kalpakkam.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, in the WSA are to be evicted and	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.																	

			demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided																	

247	06.11.2008	Vanjivakkam, Thathamanji, Kattur, Voyalur, Thiuvellavoyal, Velur,	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, in the WSA are to be evicted and	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.																	

			demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided																	

248	07.11.2008	Elavambedu, Vannipakkam, Anuppampattu, Athipattu.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, in the WSA are to be demarcated, Social	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.																	

			Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided																		

249	12.11.2008	Athreyamagalam, Devadanam, Nalur.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, in the WSA are to be evicted and	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.																	

			demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided																	

IRRIGATION INFRASTRUCTURE OF THE KOSASTHALAIYAR SUB BASIN

LIST OF TANKS (System tanks)

Sl. No	Tank	Village	Block	Taluk	District	Ayacut in Ha	Capacity m.cum
1	Maruderi tank	Maruderi	Walaja	Walaja	Vellore	42.93	0.129
2	Sumaithangi tank	Sumaithangi	Walaja	Walaja	Vellore	65.21	3.056
3	Jaderi	Jaderi	Walaja	Walaja	Vellore	108.95	0.53
4	Bagaveli tank	Bagaveli	Walaja	Walaja	Vellore	42.12	0.291
5	Valluvampakkam tank	Valluvampakkam	Walaja	Walaja	Vellore	95.99	0.941
6	Ponnappanthangal tank	Ponnappanthangal	Sholinghur	Walaja	Vellore	59.13	0.431
7	Vangur Nagaleri tank	Vangur	Sholinghur	Walaja	Vellore	12.96	0.054
8	Govindacheri tank	Govindacheri	Sholinghur	Walaja	Vellore	202.91	1.38
9	Mangalam big tank	Mangalam	Kaveripakkam	Arakkonam	Vellore	123.12	0.734
10	Mangalam chitteri	Mangalam	Kaveripakkam	Arakkonam	Vellore	13.37	0.0169
11	Kilveeranam tank	Kilveeranam	Kaveripakkam	Arakkonam	Vellore	56.30	0.693
12	Kilveeranamthangal tank	Kilveeranamthangal	Kaveripakkam	Arakkonam	Vellore	34.23	1.18

13	Suriyakulam tank	Suriyakulam	Kaveripakkam	Arakkonam	Vellore	25.52	0.924
14	Maliyamedu tank	Maliyamedu	Kaveripakkam	Arakkonam	Vellore	32.00	0.0475
15	Vedanthangal tank	Vedanthangal	Kaveripakkam	Arakkonam	Vellore	33.21	0.291
16	Pudur tank	Pudur	Kaveripakkam	Arakkonam	Vellore	132.44	1.21
17	Mahendravadi tank	Mahendravadi	Nemili	Arakkonam	Vellore	173.79	5.132
18	Irulan Odai tank	Velithangipuram	Nemili	Arakkonam	Vellore	0.93	0.0255
19	Meenakshithangal tank	Velithangipuram	Nemili	Arakkonam	Vellore	2.03	0.078
20	Balakrishnapuram tank	Balakrishnapuram	Nemili	Arakkonam	Vellore	24.71	0.127
21	Munipillaithangal tank	Munipillaithangal	Nemili	Arakkonam	Vellore	7.29	0.056
22	Kattupakkam Paleri	Kattupakkam	Nemili	Arakkonam	Vellore	21.47	0.17
23	Meleri	Meleri	Nemili	Arakkonam	Vellore	52.25	0.332
24	Velithangipuram tank	Velithangipuram	Nemili	Arakkonam	Vellore	63.59	0.485
25	Arasankuppam tank	Arasankuppam	Nemili	Arakkonam	Vellore	62.78	0.232
26	Nariyanthangal tank	Nariyanthangal	Nemili	Arakkonam	Vellore	52.65	0.136

27	Kaveripakkam tank	Kaveripakkam	Kaveripakkam	Arakkonam	Vellore	26.73	41.70
28	Panniyur tank	Panniyur	Kaveripakkam	Arakkonam	Vellore	95.99	0.259
29	Alapakkam tank	Alapakkam	Kaveripakkam	Arakkonam	Vellore	53.05	0.362
30	Sathuvanatham tank	Sathuvanatham	Kaveripakkam	Arakkonam	Vellore	69.94	0.399
31	Pudupattu big tank	Pudupattu	Kaveripakkam	Arakkonam	Vellore	20.25	0.046
32	Pudupattuthangal tank	Pudupattuthangal	Kaveripakkam	Arakkonam	Vellore	71.69	0.295
33	Karnavoor tank	Karnavoor	Kaveripakkam	Arakkonam	Vellore	94.77	0.934
34	Upparanthangal tank	Upparanthangal	Kaveripakkam	Arakkonam	Vellore	14.18	0.264
35	Gangadaranallur tank	Gangadaranallur	Kaveripakkam	Arakkonam	Vellore	40.50	0.311
36	Kilveethi chitteri	Kilveethi	Nemili	Arakkonam	Vellore	148.17	0.31
37	Kilveethi big tank	Kilveethi	Nemili	Arakkonam	Vellore	177.32	2.29
38	Peraperi tank	Peraperi	Nemili	Arakkonam	Vellore	65.99	0.17
39	Thuraiyur tank	Thuraiyur	Nemili	Arakkonam	Vellore	76.53	0.06
40	Uliyanallur tank	Uliyanallur	Nemili	Arakkonam	Vellore	233.66	2.21

41	Konthankarai tank	Konthankarai	Nemili	Arakkonam	Vellore	43.33	0.25
42	Vepperi chitteri	Vepperi	Nemili	Arakkonam	Vellore	12.53	0.001
43	Vepperi big tank	Vepperi	Nemili	Arakkonam	Vellore	53.11	0.36
44	Nemili tank	Nemili	Nemili	Arakkonam	Vellore	97.97	0.101
45	Thenmampakkam tank	Thenmampakkam	Nemili	Arakkonam	Vellore	91.35	0.52
46	Reddivalam tank	Reddivalam	Nemili	Arakkonam	Vellore	132.39	0.009
47	Thennal tank	Thennal	Nemili	Arakkonam	Vellore	46.81	0.077
48	Vettankulam tank	Vettankulam	Nemili	Arakkonam	Vellore	96.23	0.044
49	Punnai tank	Punnai	Nemili	Arakkonam	Vellore	141.40	0.84
50	Zageerthandalam tank	Zageerthandalam	Nemili	Arakkonam	Vellore	179.13	0.78
51	Velleri tank	Kandigai	Nemili	Arakkonam	Vellore	14.05	0.09
52	Kilvenpakkam tank	Kilvenpakkam	Nemili	Arakkonam	Vellore	105.34	0.85
53	Melvenpakkam tank	Melvenpakkam	Nemili	Arakkonam	Vellore	41.05	0.23
54	Sirukarumbur tank	Sirukarumbur	Kaveripakkam	Arakkonam	Vellore	172.46	0.24

55	Eralacheri tank	Eralacheri	Kaveripakkam	Arakkonam	Vellore	16.19	0.10
56	Peruvlayam tank	Peruvlayam	Kaveripakkam	Arakkonam	Vellore	132.46	0.91
57	Kalpalampattu Alanthangal	Kalpalampattu	Kaveripakkam	Arakkonam	Vellore	57.77	0.19
58	Kalpalampattu Putheri	Kalpalampattu	Kaveripakkam	Arakkonam	Vellore	16.50	0.016
59	Sivaramanthangal tank	Kalpalampattu	Kaveripakkam	Arakkonam	Vellore	5.91	0.046
60	Siruvalayam tank	Siruvalayam	Kaveripakkam	Arakkonam	Vellore	208.25	1.46
61	Dharmaneethi tank	Dharmaneethi	Kaveripakkam	Arakkonam	Vellore	76.36	0.40
62	Nangamangalam tank	Nangamangalam	Nemili	Arakkonam	Vellore	107.69	0.77
63	Poigainallur Meleri	Poigainallur	Nemili	Arakkonam	Vellore	65.58	0.16
64	Poigainallur Periyathangal	Poigainallur	Nemili	Arakkonam	Vellore	45.34	0.35
65	Poigainallur Chinnathangal	Poigainallur	Nemili	Arakkonam	Vellore	8.50	0.13
66	Poigainallur Kilathangal	Poigainallur	Nemili	Arakkonam	Vellore	14.57	0.13
67	Asanallikuppam tank	Asanallikuppam	Nemili	Arakkonam	Vellore	223.67	0.74
68	S.Kolathur tank	S.Kolathur	Nemili	Arakkonam	Vellore	122.02	0.58

69	Nelvoy tank	Nelvoy	Nemili	Arakkonam	Vellore	130.37	0.53
70	Pallur big tank	Pallur	Nemili	Arakkonam	Vellore	306.84	1.40
71	Pallur Chitteri	Pallur	Nemili	Arakkonam	Vellore		0.64
72	Pallur Putheri	Pallur	Nemili	Arakkonam	Vellore		0.74
73	Illupaithandalam tank	Illupaithandalam	Nemili	Arakkonam	Vellore	126.44	0.65
74	Synapuram big tank	Synapuram	Nemili	Arakkonam	Vellore	284.36	0.83
75	Synapuram small tank	Synapuram	Nemili	Arakkonam	Vellore	87.87	0.09
76	Sendamangalam big tank	Sendamangalam	Nemili	Arakkonam	Vellore	5.42	0.26
77	Sendamangalam small tank	Sendamangalam	Nemili	Arakkonam	Vellore	82.95	0.07
78	Pinnavaram tank	Pinnavaram	Nemili	Arakkonam	Vellore	74.84	0.42
79	Takkolam big tank	Takkolam	Nemili	Arakkonam	Vellore	173.32	1.06
80	Takkolam Kalleri	Takkolam	Nemili	Arakkonam	Vellore	104.77	0.38
81	Chittoor big tank	Chittoor	Nemili	Arakkonam	Vellore	108.39	0.38
82	Chittoor small tank	Chittoor	Nemili	Arakkonam	Vellore	29.44	0.14

83	Attupakkam big tank	Attupakkam	Nemili	Arakkonam	Vellore	47.53	0.33
84	Attupakkam small tank	Attupakkam	Nemili	Arakkonam	Vellore	95.50	0.14
85	Manavanthangal tank	Manavanthangal	Nemili	Arakkonam	Vellore	26.30	0.05
86	Kadambanallur tank	Kadambanallur	Nemili	Arakkonam	Vellore	117.81	0.23
87	Ganapathipuram tank	Ganapathipuram	Nemili	Arakkonam	Vellore	120.95	0.23
88	Murungai tank	Murungai	Nemili	Arakkonam	Vellore	56.68	0.68
89	Parameswaramangalam tank	Parameswaramangalam	Nemili	Arakkonam	Vellore	87.66	0.38
90	Kattur Tank	Kattur	Minjur	Ponneri	Thiruvallur	537.75	
91	Thathamanji Tank	Thathamanji	Minjur	Ponneri	Thiruvallur	138.02	
						7801.82	

LIST OF TANKS (NON SYSTEM TANK)

Sl. No	Tank	Village	Block	Taluk	District	Ayacut in Ha	Capacity
92	Govindacherikuppam tank	Govindacherikuppam	Sholinghur	Walaja	Vellore	70.05	0.30
93	Musiri tank	Musiri	Walaja	Arakkonam	Vellore	68.24	0.40
94	Kattupakkam big tank	Kattupakkam	Nemili	Arakkonam	Vellore	74.78	0.45
95	Banavaram tank	Banavaram	Kaveripakkam	Arakkonam	Vellore	102.87	0.745
96	Panapakkam tank	Panapakkam	Nemili	Arakkonam	Vellore	80.64	0.52
97	Kariyakudal tank	Kariyakudal	Nemili	Arakkonam	Vellore	73.92	0.40
98	Synapuramthangal tank	Synapuram	Nemili	Arakkonam	Vellore	48.56	0.16
99	Arigilpadi tank	Arigilpadi	Nemili	Arakkonam	Vellore	142.10	0.15
100	Thirumadulampakkam tank	Thirumadulampakkam	Nemili	Arakkonam	Vellore	44.52	0.10
101	Mangattucheri tank	Mangattucheri	Nemili	Arakkonam	Vellore	46.54	0.12
102	Periyakalakattur Big Tank	Periyakalakattur	Thiruvalangadu	Thiruttani	Thiruvallur	670.85	156.89
103	Periyakalakattur Chitheri	Periyakalakattur	Thiruvalangadu	Thiruttani	Thiruvallur	53.32	8.23

104	Villanthangal Tank	Chinammapettai	Thiruvalangadu	Thiruttani	Thiruvallur	44.53	3.99
105	Thozhudavur Chitteri	Maruthavallipuram	Thiruvalangadu	Thiruttani	Thiruvallur	171.23	6.57
106	Orathur Tank	Orathur	Thiruvalangadu	Thiruttani	Thiruvallur	240.72	8.48
107	J.S. Ramapuram Chitheri	J.S. Ramapuram	Thiruvalangadu	Thiruttani	Thiruvallur	45.59	
108	Kalambakkam Big Tank	Kalambakkam	Thiruvalangadu	Thiruttani	Thiruvallur	58.94	3.5
109	Manavoor Hissa Tank	Manavoor	Thiruvalangadu	Thiruttani	Thiruvallur	929.30	97.53
110	Lakshivilasapuram Tank	Lakshivilasapuram	Thiruvalangadu	Thiruttani	Thiruvallur	237.58	13.6
111	Ponnankulam Tank	Ponnankulam	Thiruvalangadu	Thiruttani	Thiruvallur	71.70	1.24
112	Chakkaramanallur Tank	Chakkaramanallur	Thiruvalangadu	Thiruttani	Thiruvallur	58.00	14.37
113	Ganesapuram Tank	Ganesapuram	Thiruvalangadu	Thiruttani	Thiruvallur	67.43	11.72
114	Palayanur Big Tank	Palayanur	Thiruvalangadu	Thiruttani	Thiruvallur	220.47	34.26
115	Pulavanallur Tank	Pulavanallur	Thiruvalangadu	Thiruttani	Thiruvallur	53.85	2.93
116	Harichandrapuram Big Tank	Harichandrapuram	Thiruvalangadu	Thiruttani	Thiruvallur	96.20	13.77

117	Jageermangalam Big Tank	Jageermangalam	Thiruvalangadu	Thiruttani	Thiruvallur	169.59	7.42
118	Jageermangalam Chitheri	Jageermangalam	Thiruvalangadu	Thiruttani	Thiruvallur		1.48
119	Gulavadi Tank	Gulavadi	Thiruvalangadu	Thiruttani	Thiruvallur	61.11	6.22
120	Gulavadi Pattrai Tank	Gulavadi pattarai	Thiruvalangadu	Thiruttani	Thiruvallur	67.43	2.05
121	Thiruvalangadu Netteri	Thiruvalangadui	Thiruvalangadu	Thiruttani	Thiruvallur	47.88	12.54
122	Ramankoil Tank	Ramankoil	Kadambathur	Thiruvallur	Thiruvallur	43.72	0.06
123	Chennavaram Tank	Chennavaram	Kadambathur	Thiruvallur	Thiruvallur	153.89	0.13
124	Panambakkam Big Tank	Panambakkam	Kadambathur	Thiruvallur	Thiruvallur	65.79	0.2
125	Panambakkam Chitheri	Panambakkam	Kadambathur	Thiruvallur	Thiruvallur	288.11	0.11
126	Thenkaranai Tank	Thenkaranai	Kadambathur	Thiruvallur	Thiruvallur		0.14
127	Thenkaranai Jeemaleri	Thenkaranai	Kadambathur	Thiruvallur	Thiruvallur	46.56	0.04
128	Kaliyanur Big Tank	Kaliyanur	Poondi	Thiruvallur	Thiruvallur	72.87	0.04
129	Kaliyanur Chitheri	Kaliyanur	Poondi	Thiruvallur	Thiruvallur	48.58	0.08

130	Nemiliyagaram Tank	Nemiliyagaram	Poondi	Thiruvallur	Thiruvallur	90.69	0.16
131	Melvilagam Tank	Melvilagam	Poondi	Thiruvallur	Thiruvallur	121.05	0.24
132	Vidaiyur Periya Eri	Vidaiyur	Kadambathur	Thiruvallur	Thiruvallur	187.45	2.02
133	Vidaiyur Chitheri	Vidaiyur	Kadambathur	Thiruvallur	Thiruvallur		
134	Venmanabudur Tank	Venmanabudur	Kadambathur	Thiruvallur	Thiruvallur	94.33	0.2
135	Pattraiperumbudur Tank	Pattraiperumbudur	Poondi	Thiruvallur	Thiruvallur	264.78	
136	Manjakuppam Tank	Manjakuppam	Poondi	Thiruvallur	Thiruvallur	86.23	0.52
137	Kunnavalam Tank	Kunnavalam	Poondi	Thiruvallur	Thiruvallur	43.72	0.31
138	Thirupatchur Tank	Thirupatchur	Poondi	Thiruvallur	Thiruvallur	364.37	1.16
139	Kaivandur Tank	Kaivandur	Poondi	Thiruvallur	Thiruvallur	125.91	0.37
140	Pandur Tank	Pandur	Poondi	Thiruvallur	Thiruvallur	267.21	
141	Rangapuram Tank	Rangapuram	Poondi	Thiruvallur	Thiruvallur	44.53	0.26
142	Krishnapuram Tank	Poondi Krishnapuram	Poondi	Thiruvallur	Thiruvallur	46.51	0.26

143	Thirupairmatheri Tank	Thirupairmatheri	Poondi	Thiruvallur	Thiruvallur	30.36	0.11
144	Sendarayanpalayam Tank	Sendarayanpalayam	Poondi	Thiruvallur	Thiruvallur	141.30	0.54
145	Nayapakkam Buderi Tank	Nayapakkam	Poondi	Thiruvallur	Thiruvallur	65.58	0.15
146	Nayapakkam Tank	Nayapakkam	Poondi	Thiruvallur	Thiruvallur		
147	Ariyathur Tank	Ariyathur	Poondi	Thiruvallur	Thiruvallur	43.32	0.1
148	Nambakkam Tank	Nambakkam	Poondi	Thiruvallur	Thiruvallur	98.87	
149	Poonapattu Tank	Poondi Poonapattu	Poondi	Thiruvallur	Thiruvallur	45.75	0.1
150	Atrambakkam Tank	Atrambakkam	Poondi	Thiruvallur	Thiruvallur	58.30	0.13
151	Neiveli Tank	Neiveli	Poondi	Thiruvallur	Thiruvallur	87.04	
152	Eraiyur Big Tank	Eraiyur	Poondi	Thiruvallur	Thiruvallur	57.89	0.1
153	Eraiyur Chitheri	Eraiyur	Poondi	Thiruvallur	Thiruvallur	40.62	0.09
154	Melanur Tank	Melanur	Ekkadu	Thiruvallur	Thiruvallur	108.01	0.14
155	Pinnapakkam Tank	Pinnapakkam	Ekkadu	Thiruvallur	Thiruvallur	121.46	
156	Chithambakkam Tank	Chithambakkam	Poondi	Thiruvallur	Thiruvallur	162.75	0.37

157	Ramanthandalam Tank	Ramanthandalam	Poondi	Thiruvallur	Thiruvallur	93.12	0.16
158	Pullarambakkam Tank	Pullarambakkam	Poondi	Thiruvallur	Thiruvallur	319.43	1.75
159	Ekkadu Kalyani Tank	Ekkadu	Ekkadu	Thiruvallur	Thiruvallur	141.30	0.12
160	Ekkadu Big Tank	Ekkadu	Ekkadu	Thiruvallur	Thiruvallur	247.37	0.89
161	Ekkadu Budueri	Ekkadu	Ekkadu	Thiruvallur	Thiruvallur	334.00	0.89
162	Kakkalur Tank	Kakkalur	Ekkadu	Thiruvallur	Thiruvallur	177.78	1.29
163	Kalambakkam Tank	Kalambakkam	Ekkadu	Thiruvallur	Thiruvallur	134.82	0.23
164	Kalyanakuppam Kosavaneri	Kalyanakuppam	Ekkadu	Thiruvallur	Thiruvallur	104.45	0.14
165	Kalyanakuppam Big Tnak	Kalyanakuppam	Ekkadu	Thiruvallur	Thiruvallur		0.15
166	Thandalam Big Tank	Thandalam	Ekkadu	Thiruvallur	Thiruvallur	102.02	0.47
167	Ayalur Mettu Thangal	Ayalur	Ekkadu	Thiruvallur	Thiruvallur	50.85	0.11
168	Ayalur Tank	Ayalur	Ekkadu	Thiruvallur	Thiruvallur	53.85	0.04
169	Ayathur Thangal	Ayathur	Ekkadu	Thiruvallur	Thiruvallur	67.76	0.17
170	Perathur Tank	Perathur	Ekkadu	Thiruvallur	Thiruvallur	148.18	0.37

171	Keelanur Tank	Keelanur	Ekkadu	Thiruvallur	Thiruvallur	174.09	1.03
172	Othikadu Tank	Othikadu	Ekkadu	Thiruvallur	Thiruvallur	106.48	0.34
173	Chittathur Tank	Chittathur	Ekkadu	Thiruvallur	Thiruvallur	88.66	0.32
174	Veeraraghavapuram Tank	Veeraraghavapuram	Ekkadu	Thiruvallur	Thiruvallur	130.24	0.12
175	Sivanvayal Tank	Sivanvayal	Ekkadu	Thiruvallur	Thiruvallur	110.12	0.66
176	Puliyur Big Tank	Puliyur	Ekkadu	Thiruvallur	Thiruvallur	208.10	0.6
177	Vadathur Tank	Vadathur	Ekkadu	Thiruvallur	Thiruvallur	248.18	1.15
178	Melakondaiyur Tank	Melakondaiyur	Ekkadu	Thiruvallur	Thiruvallur	103.26	0.38
179	Pakkam Chitheri	Pakkam	Ekkadu	Thiruvallur	Thiruvallur	143.52	0.38
180	Pakkam Tank	Pakkam	Ekkadu	Thiruvallur	Thiruvallur	631.58	1.87
181	Pakkam Thangal Tank	Pakkam	Ekkadu	Thiruvallur	Thiruvallur	133.12	0.47
182	Karikalavakkam Tank	Karikalavakkam	Ekkadu	Thiruvallur	Thiruvallur	91.50	0.46
183	Velliyur Tank	Velliyur	Ekkadu	Thiruvallur	Thiruvallur	325.51	1.17
184	Vilapakkam Tank	Vilapakkam	Ekkadu	Thiruvallur	Thiruvallur	51.31	0.15

185	Vilapakkam Uranithangal Tank	Vilapakkam	Ekkadu	Thiruvallur	Thiruvallur	51.31	
186	Magaral Tank	Magaral	Ekkadu	Thiruvallur	Thiruvallur	74.09	0.29
187	Magaral Naduthangal Tank	Magaral	Ekkadu	Thiruvallur	Thiruvallur	55.87	0.4
188	Magaral Vizhuthangal	Magaral	Ekkadu	Thiruvallur	Thiruvallur	72.06	
189	Thamaraipakkam Tank	Thamaraipakkam	Ellapuram	Uthukottai	Thiruvallur	228.70	0.68
190	Kommukkambedu Tank	Kommukkambedu	Ellapuram	Uthukottai	Thiruvallur	131.96	0.39
191	Guruvoyal Tank	Guruvoyal	Ellapuram	Uthukottai	Thiruvallur	98.79	0.07
192	Karani Tank	Karani	Ellapuram	Uthukottai	Thiruvallur	100.00	0.3
193	Koduvalli Panjan Thangal Tank	Koduvalli	Ellapuram	Uthukottai	Thiruvallur	40.49	0.04
194	Koduvalli Tank	Koduvalli	Ellapuram	Uthukottai	Thiruvallur	110.12	0.44
195	Athivakkam Tank	Athivakkam	Ellapuram	Uthukottai	Thiruvallur	74.79	0.2
196	Alinjivakkam Tank	Alinjivakkam	Ellapuram	Uthukottai	Thiruvallur	49.80	0.11
197	Athangikavanur Tank	Athangikavanur	Ellapuram	Uthukottai	Thiruvallur	74.79	0.28
198	Kilambakkam Tank	Kilambakkam	Ellapuram	Uthukottai	Thiruvallur	122.67	0.23

199	Neiveli Tank	Neiveli	Ellapuram	Uthukottai	Thiruvallur	67.61	0.39
200	Poorivakkam Tank	Poorivakkam	Ellapuram	Uthukottai	Thiruvallur	157.26	0.43
201	Thirukandalam Tank	Thirukandalam	Ellapuram	Uthukottai	Thiruvallur	112.96	1.39
202	Koilpadagai Tank	Koilpadagai	Villivakkam	Ambatthur	Thiruvallur	215.79	80.51
203	Mittanamallee Tank	Mittanamallee	Villivakkam	Ambatthur	Thiruvallur	72.06	9.89
204	Palavedu Thangal Tank	Palavedu	Villivakkam	Ambatthur	Thiruvallur	251.82	2.11
205	Pandeswaram Tank	Pandeeswaram	Villivakkam	Ambatthur	Thiruvallur	170.85	18
206	Arakkampakkam Tank	Arakkampakkam	Villivakkam	Ambatthur	Thiruvallur	78.14	1.06
207	Karalapakkam Tank	Karalapakkam	Villivakkam	Ambatthur	Thiruvallur	96.36	33.19
208	Melpakkam Tank	Melpakkam	Villivakkam	Ambatthur	Thiruvallur	46.56	3.18
209	Kadavur Tank	Kadavur	Villivakkam	Ambatthur	Thiruvallur	41.30	39.19
210	Vellacheri Tank	Vellacheri	Villivakkam	Ambatthur	Thiruvallur	104.05	1.77
211	Alathur Tank	Alathur	Villivakkam	Ambatthur	Thiruvallur	154.25	25.78
212	Kilkondaiyur Tank	Kilkondaiyur	Villivakkam	Ambatthur	Thiruvallur	131.17	3.536

213	Padiyanallur Tank	Padiyanallur	Cholavaram	Ponneri	Thiruvallur	267.21	28.96
214	Marambedu Tank	Marambedu	Cholavaram	Ponneri	Thiruvallur	43.32	8.1
215	Perungavur Tank	Perungavur	Cholavaram	Ponneri	Thiruvallur	259.68	25.78
216	Gnayar Tank	Gnayar	Cholavaram	Ponneri	Thiruvallur	377.18	32.49
217	Vellivoyal Tank	Vellivoyal	Cholavaram	Ponneri	Thiruvallur	97.94	5.65
218	Agaram Tank	Agaram	Minjur	Ponneri	Thiruvallur	99.36	3.53
219	Vazhuthigamedu Tank	Vazhuthigamedu	Cholavaram	Ponneri	Thiruvallur	59.11	2.47
220	Periyamullaivoyal Tank	Periyamullaivoyal	Cholavaram	Ponneri	Thiruvallur	197.09	29.17
221	Nerkundram Tank	Nerkundram	Cholavaram	Ponneri	Thiruvallur	49.78	2.12
222	Sirungavur Tank	Sirungavur	Cholavaram	Ponneri	Thiruvallur	99.18	5.9
223	Vitchoor Tank	Vitchoor	Cholavaram	Ponneri	Thiruvallur	313.64	10.36
224	Thirunilai Tank	Thirunilai	Cholavaram	Ponneri	Thiruvallur	102.79	4.57
225	Sendrambakkam Tank	Sendrambakkam	Puzhal	Ambatthur	Thiruvallur	52.82	5.65
226	Sembiyam Manali Tank	Sembiyam	Puzhal	Ambatthur	Thiruvallur	82.96	9.18

227	Pammadukulam Tank	Pammadukulam	Villivakkam	Ambatthur	Thiruvallur	40.89	8.12
228	Pammadukulam Puduthangal Tank	Pammadukulam	Villivakkam	Ambatthur	Thiruvallur	66.40	4.24
229	Vellanoor Big Tank	Vellanoor	Villivakkam	Ambatthur	Thiruvallur	159.51	22.6
230	Vellanoor small tank	Vellanoor	Villivakkam	Ambatthur	Thiruvallur	43.72	6.19
231	Vellanoor Kandigai Tank	Vellanoor	Villivakkam	Ambatthur	Thiruvallur	50.61	5.17
232	Pothur Tank	Pothur	Villivakkam	Ambatthur	Thiruvallur	71.26	11.65
233	Allikuzhi Tank	Allikuzhi	Poondi	Uthukottai	Thiruvallur	88.74	219.30
234	Devendamvakkam Tank	Devendamvakkam	Poondi	Uthukottai	Thiruvallur	47.34	4.55
235	Kadarvedu Tank	Kadarvedu	Ellapuram	Uthukottai	Thiruvallur	55.03	
236	Korakkanthandalam Jaderi	Korakkanthandalam	Poondi	Uthukottai	Thiruvallur	41.56	5.21
237	Meyyur Big Tank	Meyyur	Poondi	Uthukottai	Thiruvallur	94.88	3.27
238	Nelvoi Rettaman Tank	Nelvoi	Poondi	Uthukottai	Thiruvallur	144.88	
239	Nelvoi Koppanthangal	Nelvoi	Poondi	Uthukottai	Thiruvallur	56.63	4.78
240	Nelvoi Big Tank & Chitheri	Nelvoii	Poondi	Uthukottai	Thiruvallur	40.59	7.12

241	Odappai Big Tank	Odappai	Poondi	Uthukottai	Thiruvallur	75.28	7.60
242	Sembedu Buderi & Chitheri	Sembedu	Ellapuram	Uthukottai	Thiruvallur	163.33	
243	Thimma Boopalapuram Tank	Thimma Boopalapuram	Poondi	Uthukottai	Thiruvallur	88.03	14.16
244	Thimma Boopalapuram East Tank	Thimma Boopalapuram	Poondi	Uthukottai	Thiruvallur	59.05	6.79
245	Vellathukottai Erra Cheruvu	Vellathukottai	Poondi	Uthukottai	Thiruvallur	102.96	7.24
246	Erumainaickankuppam Tank	Ernakuppam	Ellapuram	Uthukottai	Thiruvallur	41.200	6.180
247	Vengal Tank	Vengal	Ellapuram	Uthukottai	Thiruvallur	151.970	33.880
248	Annathanakakkavakkam Tank	Annathana Kakkavakkam	Ellapuram	Uthukottai	Thiruvallur	91.895	15.250
249	Nalur Large Tank	Nalur	Minjur	Ponneri	Thiruvallur	514.680	4.591
250	Nalur Small Tank	Nalur	Minjur	Ponneri	Thiruvallur	213.705	0.918
251	Minjur Tank	Minjur	Minjur	Ponneri	Thiruvallur	115.510	10.524
252	Kalpakkam Large Tank	Kalpakkam	Minjur	Ponneri	Thiruvallur	113.835	10.983
253	Kalpakkam small Tank	Kalpakkam	Minjur	Ponneri	Thiruvallur		
254	Thottakkadu Small Tank	Thottakkadu	Minjur	Ponneri	Thiruvallur	143.035	0.918

255	Vellambakkam Large Tank	Vellambakkam	Minjur	Ponneri	Thiruvallur	93.475	58.305
256	Vellambakkam Small Tank	Vellambakkam	Minjur	Ponneri	Thiruvallur		2.366
257	Athipattu Thangal	Athipattu	Minjur	Ponneri	Thiruvallur		1.554
258	Merattur Tank	Meratur	Minjur	Ponneri	Thiruvallur	156.185	5.439
259	Hebiramapuram Tank	Hebiramapuram	Minjur	Ponneri	Thiruvallur	204.105	2.472
260	Thiruvellavoyal Large & small	Thiruvellavoyal	Minjur	Ponneri	Thiruvallur	129.755	2.600
261	Voyalur Vairavan Thangal	Voyalur	Minjur	Ponneri	Thiruvallur	123.315	
262	Voyalur Chinna Thamarai	Voyalur	Minjur	Ponneri	Thiruvallur		2.331
263	Voyalur Peria Thamarai	Voyalur	Minjur	Ponneri	Thiruvallur	175.235	3.461
264	Voyalur Mamanical	Voyalur	Minjur	Ponneri	Thiruvallur	372.960	28.852
265	Neythavoyal Small Tank	Neydavoyal	Minjur	Ponneri	Thiruvallur		31.678
266	Pakasalammal Tank	Pakasalammal	Thiruvalangadu	Thiruthani	Thiruvallur	172.830	7.880
267	Chinnamandali Big Tank	Chinnamandali	Thiruvalangadu	Thiruthani	Thiruvallur	68.850	6.710
268	Arumbakkam kadaperi	Arumbakkam	Thiruvalangadu	Thiruthani	Thiruvallur	106.480	10.240

269	Arumbakkam Thella Cheruvu	Arumbakkam	Thiruvalangadu	Thiruthani	Thiruvallur		
270	Jagirmangalam Asaneri	Jagirmangalam	Thiruvalangadu	Thiruthani	Thiruvallur	158.780	9.180
271	Narthawada Tank	Narthawada	Thiruvalangadu	Thiruthani	Thiruvallur	95.140	13.310
272	Sadayankuppam Tank	Sadayankuppam	Minjur	Ponneri	Thiruvallur	169.640	0.500
273	Kadapakkam Tank	Kadapakkam	Minjur	Ponneri	Thiruvallur	170.000	0.340
274	Manjambakkam Tank	Manjambakkam	Puzhal	Ponneri	Thiruvallur	44.520	0.030
275	Ariyalur Tank	Ariyalur	Minjur	Ponneri	Thiruvallur	43.530	0.500
276	Melasingalimedu Tank	Melasingalimedu	Cholavaram	Ponneri	Thiruvallur	48.990	0.670
277	Budur Tank	Budur	Cholavaram	Ponneri	Thiruvallur	144.130	0.210
278	Arumanthai Tank	Arumanthai	Cholavaram	Ponneri	Thiruvallur	234.010	0.980
279	Sothupakkam Tank	Sothupakkam	Cholavaram	Ponneri	Thiruvallur	90.690	0.500
280	Mathur Tank	Mathur	Puzhal	Ponneri	Thiruvallur	80.550	0.030
281	Madhavaram Tank	Madhavaram	Puzhal	Ambatthur	Thiruvallur	69.910	0.900
282	Ayaneri Tank	Ayaneri	Villivakkam	Ambatthur	Thiruvallur	101.210	0.440

283	Thirumullaivoyal Tank	Thirumullaivoyal	Villivakkam	Ambatthur	Thiruvallur		
284	Arikiyambedu Tank	Arikiyambedu	Villivakkam	Ambatthur	Thiruvallur		0.980
285	Palavedu	Palavedu	Villivakkam	Ambatthur	Thiruvallur	193.490	90.390
286	Morai	Morai	Villivakkam	Ambatthur	Thiruvallur	46.380	25.070
287	Koilpathagai Chitheri	Koilpathagai	Villivakkam	Ambatthur	Thiruvallur	82.590	15.880
288	Meyyur Vepperi	Meyyur	Poondi	Uthukottai	Thiruvallur	64.88	
289	Vellathukottai Tank	Vellathukottai	Poondi	Uthukottai	Thiruvallur	88.21	
290	Neidhavoyal Large	Neidhavoyal	Minjur	Ponneri	Thiruvallur	354.51	
291	Thottakadu Large	Thottakadu	Minjur	Ponneri	Thiruvallur	113.3	
292	Buthagaram	Buthagaram	Puzhal	Ambatthur	Thiruvallur	50.79	0.30
293	Perumalpattu Budheri	Perumalpattu	Ekkadu	Thiruvallur	Thiruvallur	42.88	
294	Perumbakkam Tank	Perumbakkam	Ekkadu	Thiruvallur	Thiruvallur	87.04	

LIST OF SUPPLY CHANNELS WITH FEEDINGS TANKS

SYSTEM TANKS

Sl. No	Name of Supply channel	Feedings tank	Length of channel	Bed Width	Remarks
1	Maruderi tank supply channel	Maruderi tank	1100	4.00	
2	Sumaithangi tank supply channel	Sumaithangi tank	2500	5.00	
3	Jaderi tank supply channel	Jaderi	1100	4.00	
4	Bagaveli tank supply channel	Bagaveli tank	1300	4.00	
5	Valluvampakkam tank supply channel	Valluvampakkam tank	1200	5.00	
6	Ponnappanthangal tank supply channel	Ponnappanthangal tank	1500	4.00	
7	Vangur Nagaleri tank supply channel	Vangur Nagaleri tank	1100	4.00	
8	Govindacheri tank supply channel	Govindacheri tank	2500	10.00	
9	Mangalam big tank supply channel	Mangalam big tank	1100	4.00	
10	Mangalam chitteri supply channel	Mangalam chitteri	1200	4.00	
11	Kilveeranam tanksupply channel	Kilveeranam tank	1100	4.00	
12	Kilveeranamthangal tank supply channel	Kilveeranamthangal tank	1200	4.00	
13	Suriyakulam tank supply channel	Suriyakulam tank	1100	4.00	
14	Maliyamedu tank supply channel	Maliyamedu tank	1200	4.00	
15	Vedanthangal tank supply channel	Vedanthangal tank	2000	5.00	
16	Pudur tank supply channel	Pudur tank	2500	4.00	
17	Mahendravadi tank supply channel	Mahendravadi tank	5000	8.00	
18	Irulan Odai tank supply channel	Irulan Odai tank	2000	4.00	
19	Meenakshithangal tank supply channel	Meenakshithangal tank	1700	4.00	
20	Balakrishnapuram tank supply channel	Balakrishnapuram tank	2000	4.00	
21	Munipillaithangal tank supply channel	Munipillaithangal tank	1800	4.00	
22	Kattupakkam Paleri supply channel	Kattupakkam Paleri	1300	5.00	
23	Meleri supply channel	Meleri	2500	4.00	
24	Velithangipuram tank supply channel	Velithangipuram tank	2200	6.00	
25	Arasankuppam tank supply channel	Arasankuppam tank	2500	4.00	
26	Nariyanthangal tank supply channel	Nariyanthangal tank	2200	4.00	
27	Kaveripakkam tank supply channel	Kaveripakkam tank	6000	25.00	
28	Panniyur tank supply channel	Panniyur tank	1500	4.00	
29	Alapakkam tank supply channel	Alapakkam tank	1500	4.00	
30	Sathuvanatham tank supply channel	Sathuvanatham tank	1800	4.00	
31	Pudupattu big tank supply channel	Pudupattu big tank	4000	5.00	
32	Pudupattuthangal tank supply channel	Pudupattuthangal tank	5000	4.00	
33	Karnavoor tank supply channel	Karnavoor tank	1500	4.00	
34	Upparanthangal tank supply channel	Upparanthangal tank	1700	4.00	
35	Gangadaranallur tank supply channel	Gangadaranallur tank	2200	4.00	
36	Kilveethi chitteri supply channel	Kilveethi chitteri	2000	4.00	
37	Kilveethi big tank supply channel	Kilveethi big tank	6000	6.00	
38	Peraperi tank supply channel	Peraperi tank	5500	7.00	
39	Thuraiyur tank supply channel	Thuraiyur tank	1500	4.00	
40	Uliyanallur tank supply channel	Uliyanallur tank	3000	4.00	
41	Konthankarai tank supply channel	Konthankarai tank	1800	6.00	
42	Vepperi chitteri supply channel	Vepperi chitteri	1800	4.00	
43	Vepperi big tank supply channel	Vepperi big tank	2000	4.00	
44	Nemili tank supply channel	Nemili tank	1500	4.00	
45	Thenmampakkam tank supply channel	Thenmampakkam tank	2300	4.00	
46	Reddivalam tank supply channel	Reddivalam tank	5300	4.00	
47	Thennal tank supply channel	Thennal tank	1600	4.00	
48	Vettankulam tank supply channel	Vettankulam tank	1600	4.00	

49	Punnai tank supply channel	Punnai tank	1400	4.00	
50	Zageerthandalam tank supply channel	Zageerthandalam tank	5500	4.00	
51	Velleri tank supply channel	Velleri tank	1000	4.00	
52	Kilvenpakkam tank supply channel	Kilvenpakkam tank	2000	4.00	
53	Melvenpakkam tank supply channel	Melvenpakkam tank	1600	4.00	
54	Sirukarumbur tank supply channel	Sirukarumbur tank	2500	4.00	
55	Eralacheri tank supply channel	Eralacheri tank	2700	4.00	
56	Peruvlayam tank supply channel	Peruvlayam tank	3000	4.00	
57	Kalpalampattu Alanthangal supply channel	Kalpalampattu Alanthangal	1000	4.00	
58	Kalpalampattu Putheri supply channel	Kalpalampattu Putheri	4200	4.00	
59	Sivaramanthangal tank supply channel	Sivaramanthangal tank	800	4.00	
60	Siruvalayam tank supply channel	Siruvalayam tank	3000	4.00	
61	Dharmaneethi tank supply channel	Dharmaneethi tank	4500	4.00	
62	Nangamangalam tank supply channel	Nangamangalam tank	5000	4.00	
63	Poigainallur Meleri supply channel	Poigainallur Meleri	3500	4.00	
64	Poigainallur Periyathangal supply channel	Poigainallur Periyathangal	1000	4.00	
65	Poigainallur Chinnathangal supply channel	Poigainallur Chinnathangal	1000	4.00	
66	Poigainallur Kilathangal supply channel	Poigainallur Kilathangal	600	4.00	
67	Asanallikuppam tank supply channel	Asanallikuppam tank	3500	10.00	
68	S.Kolathur tank supply channel no.2	S.Kolathur tank	8000	15.00	
69	Nelvoy tank supply channel	Nelvoy tank	4500	5.00	
70	Pallur big tank supply channel	Pallur big tank	6500	10.00	
71	Pallur Chitteri supply channel	Pallur Chitteri	2000	16.00	
72	Pallur Putheri	Pallur Putheri			
73	Illupaithandalam tank supply channel	Illupaithandalam tank	6500	6.00	
74	Synapuram big tank supply channel	Synapuram big tank	4500	8.00	
75	Synapuram small tank supply channel	Synapuram small tank	3200	6.00	
76	Sendamangalam big tank supply channel	Sendamangalam big tank	3200	13.00	
77	Sendamangalam small tank supply channel	Sendamangalam small tank	1200	8.00	
78	Pinnavaram tank supply channel	Pinnavaram tank	4200	8.00	
80	Takkolam Kalleri supply channel	Takkolam Kalleri	4800	12.00	
82	Chittoor small tank supply channel	Chittoor small tank	500	4.00	
83	Attupakkam big tank supply channel	Attupakkam big tank	6500	12.00	
84	Attupakkam small tank supply channel	Attupakkam small tank	1200	8.00	
85	Manavanthangal Supply channel	Manavanthangal			
86	Kadambanallur tank supply channel	Kadambanallur tank	2800	4.00	
87	Ganapathipuram tank supply channel no.1	Ganapathipuram tank	6500	12.00	
88	Murungai tank supply channel no.1	Murungai tank	4500	8.00	
89	Parameswaramangalam tank supply channel no.1	Parameswaramangalam tank	6500	12.00	
90	Kattur Supply channel	Kattur	4800	8.00	
91	Thathamanji Supply channel	Thathamanji	2800	6.00	
			232900		
	NON SYSTEM				
92	Govindacherikuppam tank supply channel	Govindacherikuppam tank	1200	4.00	
93	Musiri tank supply channel	Musiri tank	3000	4.00	
94	Kattupakkam big tank supply channel	Kattupakkam big tank	2000	5.00	
95	Banavaram tank supply channel	Banavaram tank	3000	6.00	
96	Panapakkam Tank supply channel				
97	Kariyakudal tank supply channel	Kariyakudal tank	1200	4.00	
98	Syanapuram Thangal Tank Supply channel				
99	Arigilpadi tank supply channel	Arigilpadi tank	2000	15.00	
100	Thirumadulampakkam tank supply channel	Thirumadulampakkam tank	1200	8.00	
101	Mangattucheri tank supply channel	Mangattucheri tank	1500	5.00	

102	Periyakalakattur big tank supply channel	Periyakalakattur big tank	300	3.75	
103	Periyakalakattur chitteri tank supply Chl	Periyakalakattur chitteri	2000	3.35	
104	Villanthangal Tank supply channel				
105	Thozhudavur tank supply channel	Thozhudavur tank	1750	3.40	
106	Orathur tank supply channel	Orathur tank	1200	3.50	
107	J.S.Ramapuram Chitteri supply channel	J.S.Ramapuram chitteri	250	3.20	
108	Kalambakkam big tank supply channel	Kalambakkam tank	1500	3.50	
109	Manavur Hissa tank supply channel	Manavur Hissa tank	2000	3.50	
110	Lakshmivilasapuram Tank Supply channel				
111	Ponnangulam Tank Supply channel				
112	Chakramallur Tank supply channel	Chakramallur tank	500	3.50	
113	Ganesapuram Tank supply channel	Ganespuram tank	900	3.50	
114	Palayanur Tank supply channel	Palayanur tank	2000	5.50	
115	Pulavanallaur Tank supply channel	Pulavanallur tank	1500	4.00	
116	Harichandrapuram Tank supply channel	Harichandrapuram tank	1800	5.00	
117	Jagirmangalam Big Tank supply channel				
118	Jagirmangalam Chitheri				
119	Gulawadi tank supply channel	Gulawadi tank	1800	3.00	
120	Gulawadi pattrai tank supply channel	Gulawadi pattrai	1000	5.00	
121	Tiruvalengadu Netteri tank supply chl	Tiruvalengadu Netteri	2000	3.50	
122	Ramankoil Tank Supply Channel	Ramankoil Tank	2000	3.00	
123	Sennavaram Tank supply channel				
124	Panabakkam Big Tank Supply Channel	Panabakkam Big Tank	2000	3.00	
125	Panambakkam Chitheri Supply Channel	Panambakkam Chitheri	250	7.00	
126	Thenkaranai Tank supply channel				
127	Thenkaranai Zeemaleri Supply Channel	Thenkaranai Zeemaleri	300	3.00	
128	Kalaniyanur Big Tank Supply Channel	Kalaniyanur Big Tank	2500	4.00	
129	Kalaniyanur Chitheri Supply Channel	Kalaniyanur Chitheri	1300	4.00	
130	Nemili Agram Tank Supply Channel	Nemili Agram Tank	2500	5.00	
131	Melvilagam Tank Supply channel				
132	Vidaiyur Periya Eri Supply Channel	Vidaiyur Periya Eri	2800	5.00	
133	Venmanambudur Tank supply channel				
134	Pattraiperumbudur Tank Supply Channel	Pattraiperumbudur Tank	2800	5.00	
135	Manjakuppam Tank Supply Channel	Manjakuppam Tank	2500	4.00	
136	Kunnavalam Tank Supply Channel	Kunnavalam Tank	1500	4.00	
137	Thirupatchur Tank Supply Channel	Thirupatchur Tank	1600	5.00	
138	Kaivandur Tank Supply Channel	Kaivandur Tank	2200	4.00	
139	Pandur Tank supply channel				
140	Rangapuram Tank Supply Channel	Rangapuram Tank	1500	5.00	
141	Krishnapuram Tank Supply Channel	Krishnapuram Tank	2000	5.00	
142	Thirupair Matheri Tank Supply Channel	Thirupair Matheri Tank	2000	4.00	
143	Sendrayapalayam Tank Supply Channel	Sendrayapalayam Tank	4000	4.00	
144	Nayapakkam Budhteri & Chitheri S.C.				
145	Ariyathur Tank Supply Channel	Ariyathur Tank	1000	4.00	
146	Nambakkam Tank supply channel				
147	Ponnapattu Tank Supply Channel	Ponnapattu Tank	1800	4.00	
148	Attrambakkam Tank Supply Channel	Attrambakkam Tank	2100	5.00	
149	Neiveli Tank Supply Channel				
150	Eraiyur Big Tank Supply Channel	Eraiyur Big Tank	1700	4.00	
151	Eraiyur Chitheri Supply Channel	Eraiyur Chitheri	1900	5.00	
152	Melanur Tank Supply Channel	Melanur Tank	2000	2.50	
153	Pinnapakkam Tank Supply Channel	Pinnapakkam Tank	1000	5.00	

154	Chithapakkam Tank Supply Channel	Chithapakkam Tank	2100	5.00	
155	Ramathandalam Tank Supply Channel	Ramathandalam Tank	4000	5.00	
156	Pullarambakkam Tank Supply Channel	Pullarambakkam Tank	2600	4.00	
157	Ikkadu Kalayani Eri Supply Channel	Ikkadu Kalayani Eri	2000	2.50	
158	Ikkadu Big Tank Supply Channel	Ikkadu Big Tank	4000	3.00	
159	Ikkadu New Tank supply channel				
160	Kakkalur Supply Channel	Kakkalur	3000	2.50	
161	Kalambakkam Supply Channel	Kalambakkam	2000	3.00	
162	Kalayanakuppam Kosavanaeri Supply Channel	Kalayanakuppam	2000	2.70	
163	Kalayanakuppam Supply Channel				
164	Thandalam Big Tank Supply Channel	Thandalam Big Tank	3000	4.00	
165	Ayalur Mettuthangal Supply Channel	Ayalur Mettuthangal	1000	3.00	
166	Ayalur Tank Supply Channel	Ayalur Tank	3000	2.50	
167	Ayathur Thangal Supply Channel	Ayathur Thangal	3000	3.00	
168	Perathur Supply Channel	Perathur	2000	2.75	
169	Kilanur Tank Supply Channel	Kilanur Tank	4000	2.25	
170	Othikadu Tank Supply Channel	Othikadu Tank	2000	2.50	
171	Sitrathur Tank Supply Channel	Sitrathur Tank	1500	2.00	
172	Veeragavapuram Tank Supply Channel	Veeragavapuram Tank	1500	3.50	
173	Sivanvoyal Tank supply channel				
174	Puliyur Tank Supply channel				
175	Vadhatur Tank Supply channel				
176	Melakondaiyur Tank Supply Channel	Melakondaiyur Tank	2000	4.00	
177	Pakkam Chitheri Supply Channel	Pakkam Chitheri	2000	2.50	
178	Pakkam Tank Supply Channel	Pakkam Tank	5000	5.00	
179	Pakkam Thangal Supply Channel	Pakkam Thangal	2000	2.50	
180	Karikalavakkam Tank Supply Channel	Karikalavakkam Tank	2000	2.50	
181	Velliyur Big Tank Supply Channel	Velliyur Big Tank	3000	3.00	
182	Vilambakkam Tank Supply Channel	Vilambakkam Tank	1000	1.00	
183	Vilambakkam Uranithangal Supply Channel	Vilambakkam Uranithangal	3000	3.00	
184	Magral Tank Supply Channel	Magral Tank	1000	3.00	
185	Magral Naduthangal S.C.				
186	Magral Vizhuthangal S.C.				
187	Thamaraipakkam Tank Supply Channel	Thamaraipakkam Tank	2000	3.00	
188	Kommakkambedu Tank Supply Channel	Kommakkambedu Tank	3000	3.00	
189	Guruvoyal Tank Supply Channel	Guruvoyal Tank	1500	4.00	
190	Karani Tank Supply Channel	Karani Tank	1000	3.00	
191	Koduvelli panchanthangal Supply Channel	Koduvelli panchanthangal	500	5.00	
192	Koduveli Tank Supply Channel	Koduveli Tank	4000	3.00	
193	Athivakkam Tank Supply Channel	Athivakkam Tank	2000	5.00	
194	Alinjivakkam Tank Supply Channel	Alinjivakkam Tank	4000	4.00	
195	Athingikavanoor Tank Supply Channel	Athingikavanoor Tank	7000	3.00	
196	Kilambakkam Tank Sup.ch.				
197	Neiveli Tank Supply Channel	Neiveli Tank	1500	3.00	
198	Poorivakkam Tank Supply Channel	Poorivakkam Tank	2000	3.00	
199	Thirukandalam Tank Supply Channel	Thirukandalam Tank	4000	4.00	
200	Koilpathagai Tank Supply Channel	Koilpathagai Tank	500	3.00	
201	Mittanamallee Tank Supply Channel	Mittanamallee Tank	500	3.00	
202	Palavedu thangal S.C				
203	Pandeswaram Supply channel				
204	Arakkambakkam Tank Supply channel				
205	Karlapakkam Tank Supply channel				
206	Melpakkam Tank Supply channel				
207	Kadavoor Tank Supply Channel	Kadavoor Tank	500	3.00	
208	Vellacheri Tank Supply Channel	Vellacheri Tank	800	3.00	

209	Alathur Tank Supply channel				
210	Kilkondaiyur Tank Supply channel				
211	Padiyanallur Tank Supply channel				
212	Marambedu Tank Supply Channel	Marambedu Tank	1000	3.00	
213	Perungavur Tank Supply Channel	Perungavur Tank	2000	3.00	
214	Gnayar Tank Supply channel				
215	Vellivoyal Tank Supply Channel	Vellivoyal Tank	1000	3.00	
216	Amoor Tank Supply Channel	Amoor Tank	13000	8.00	
217	Agaram Tank Supply Channel	Agaram Tank	3000	3.00	
218	Vazhuthgaimedu Tank Supply channel				
219	Periyamullaivoyal Tank Supply Channel	Periyamullaivoyal Tank	3000	3.00	
220	Nerkundram Tank Supply channel				
221	Sirungavoor Tank Supply channel				
222	Vitchoor Tank Supply Channel	Vitchoor Tank	1000	3.00	
223	Thirunilai Tank Supply Channel	Thirunilai Tank	1000	3.00	
224	Sendrambakkam Tank Supply channel				
225	Sembiyam Manali Tank Supply Channel	Sembiyam Manali Tank	1000	3.00	
226	Siruvakkam Tank Supply Channel	Siruvakkam Tank	1000	3.00	
227	Pammadukulam Big Tank Tank Supply channel				
228	Pammadukulam pudhu thangal Supply Channel	Pammadukulam pudhu thangal	200	3.00	
229	Vellanoor Tank Supply Channel	Vellanoor Tank	1800	3.00	
230	Vellanoor small Tank Supply Channel				
231	Velllanoor Kandigai Tank Supply Channel				
232	Pothur Tank Supply Channel				
233	Allukuli Tank Supply Channel	Allukuli Tank	1500	3.00	
234	Devandavakkam Tank Supply Channel	Devandavakkam Tank	800	3.00	
235	Kadirvedu Tank Supply Channel	Kadirvedu Tank	200	4.00	
236	Korrakkanathandalam Jaderi Supply Channel	Korrakkanathandalam Jaderi	1200	4.00	
237	Meyyur Large Tank Supply Channel	Meyyur Large Tank	700	5.00	
238	Nelvoy Reddammaneri Supply Channel	Nelvoy Reddammaneri	600	3.00	
239	Nelvoy Koppanthangal Supply Channel	Nelvoy Koppanthangal	500	3.00	
240	Nelvoy Perieri and Chitheri Supply Channel	Nelvoy Perieri and Chitheri	2452	3.00	
241	Oddappai Big Tank Supply Channel				
242	Sembedu Pudheri and Chitheri				
243	Thimmaboopalapuram Tank Supply Channel				
244	Thimmaboopalapuram East Tank Supply Channel	Thimmaboopalapuram East Tank	700	3.00	
245	Vellathukottai Eracheruvu Supply Channel	Vellathukottai Eracheruvu	600	3.00	
246	Erumainaiyakankuppam Tank supply channel	Erumainaiyakankuppam Tank	1000	4.00	
247	Vengal Tank Supply channel.	Vengan Tank	3600	5.00	
248	Ananthakakkavakkam Tank Supply channel	Ananthakakkavakkam Tank	1500	3.00	
249	Nalur Large Tank supply channel	Nalur Large Tank	1000	4.00	
250	Nalur small Tank supply channel				
251	Minjur Tank Supply channel				
252	Kalpakkam Large Tank Supply channel				
253	Thottakadu small Tank Supply channel				
254	Vellambakkam Large Tank Supply channel				
255	Vellambakkam small Tank Supply channel				
256	Athipattu thangal Tank Supply channel				
257	Merattur Tank Supply channel				
258	Hebiramapuram Tank Supply channel				
259	Thiruvellaivoyal Tank Supply channel				
260	Vayalur Variavan Thangal Tank Supply channel				
261	Vayalur Chinnathamarai Tank Supply				

	channel				
262	Vyalur Periyathamarai				
263	Vayalur Mamanikal Tank Supply channel	Vayalur Mamanikal Tank	1900	9.00	
264	Neidavoyal Small Tank Supply channel				
			226602		

Abstract on the details of Irrigation Infrastructure available and works takeup under IAMWARAM Project

Name of Sub-Basin: Kosasthalaiyar Sub Basin

Name of Nodal Officer: Er.R. SENTHILKUMAR, M.E., MIE
Executive Engineer, PWD., WRO,
Kosasthalaiyar Basin Division,
Thiruvallur.

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 metre	Ayacut	Nos	supply channel in metre	Ayacut	Length	Direct ayacut	
1	Available Infrastructure in sub basin	4	NIL	338.09	91	270050	10449.97	203	232902.00	24468.20	NIL	NIL	
2	Infrastructure excluded in iamwarm project since works carried out under	NIL	NIL	NIL	3	10500	399.76	22	5200	2794.49	NIL	NIL	

	various schemes from 2000												
3	Infrastructures that does not require any rehabilitation works	4	NIL	338.09	NIL	NIL	NIL	14	Nil	936.72	NIL	NIL	

4	Works taken up in IAMWARM Project	NIL	NIL	NIL	91	270050	10449.97	171	227702.00	20736.99	NIL	NIL	
	a) Works taken up under WRCP but also taken up in IAMWARM Project	NIL	NIL	NIL	3	10500	399.76	4		442.58	NIL	NIL	
	b) Works proposed in IAMWARM Project alone	NIL	NIL	NIL	88	259550	10050.21	167	227702	20294.41	NIL	NIL	

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

2. Certified that the tanks executed under various schemes (Viz, WRCP I, NABARD, PART II scheme etc.,) since 2000 were not proposed in this project**.**

20 (b) List of tanks/Anicuts executed under various schemes
(Viz, Part II Scheme,
NABARD, WRCP I etc.,) Since 2000

SI.No	Name of Anicut / Tank	Ayacut in Hect.	Scheme in which executed	Amount	Details of components executed	Remarks
	SYSTEM TANK					
1	Kilvenpakkam tank	104.40	Nabard	10.00 lakhs	Weir Repairs, Tank bund Strengtehining, Supply channel desilting,and field channel improvements	
2	Asanallikuppam tank	223.67	Nabard	10.00 lakhs	Weir Repairs, Tank bund Strengtehining, Supply channel desilting,and field channel improvements	
3	Pudupattuthangal	71.69	Nabard	10.00 lakhs	Tank bund Strengtehining, Supply channel, sluice Reconstruction and partly field channel improvements	
		399.76				
	NON SYSTEM					
1	Pandur Tank	267.21	NABARD	26.20	Improvements to Tank bund, Weir, Sluice and supply channel and lining of field channel	
2	Nambakkam Tank	98.87	NABARD	30.00		
3	Neiveli Tank	87.04	NABARD	24.00		
4	Meyyur Vepperi	64.88	NABARD	17.00		
5	Vellathukottai Tank	88.21	NABARD	23.00		
6	Arumbakkam Kadepperi	106.480	PART II	16.00		
7	Arumbakkam Tella Cheruvu					
8	Jageermangalam Asaneri	158.780	PART II			
9	Narthawada Tank	95.140	PART II	15.25		
10	Pakasala Ammal Tank	172.830	PART II	20.00		
11	Chinnamandali Big Tank	124.510	NABARD	36.74		

12	Arumanthai	94.79	Part.II	18.40		
13	Budur Tank	95.53	Part.II	22.30		
14	Kadapakkam	169.61	MLA Scheme	10.00		
15	Sadayankuppam Tank	168.96	MLA Scheme	10.00		
16	Sothupakkam Tank	91.26	MLA Scheme	10.00		
17	Neidavoyal large	354.510	NABARD	35.45	Bund,Sluice & selective lining	
18	Thottakkadu Large	113.300	PART II	13.34	Bund,Sluice	
19	Kariyakudal tank	73.90	Nabard	22.35 lakhs	Sluice No 1 Reconstruction, Tank bund Strengtehining, Supply channel desilting, and field channel improvements	
20	Mangattucheri tank	46.54	Nabard	15.49 lakhs	Sluice No 1 Reconstruction, Tank bund Strengtehining, Supply channel desilting, and field channel improvements	
21	Perathur Tank	148.12	NABARD		Sluice No 1 Reconstruction, Tank bund Strengtehining, Supply channel desilting, and field channel improvements	
22	Kilanur Tank	174.02	NABARD		Sluice No 1 Reconstruction, Tank bund Strengtehining, Supply channel desilting, and field channel improvements	
		2794.49				

a) Works taken up under WRCP but also taken up in IAMWARM Project

Sl. No.	Name of Anicut / Tank	Work done under programme	Work Now proposed in IAMWARM	Remarks
1)	Kilanur	Sluice No.2,4 repairs works completed and weir.1 and 2 repaire work completed. Tank bund work carried out to a height of 1.22m above MWL and Supply channel desilted from 2.80 km to 4 km.	Sluice No.1 and 3 to be reconstructed supply channel from 0 to 2.8km desilted.	
2)	Perathur	Sluice No.7 reconstructed sluice 6 repair work completed, supply channel1.20 km desilting work completed tank bund work carried out to a height of 0.92m above MWL	Sluice No.4 to be reconstructed sluice No.5 to be repaired supply channel to be above.	
3)	Kariyakudal tank	Sluice No 1 Reconstruction, Tank bund Strengtehining, Supply channel desilting, and field channel improvements	Now proposed Sluice No.2 Reconstruction, strengthening the tank bund for, Supply channel improvements, and Surplus weir improvements	
4)	Mangattucheri tank	Sluice No 1 Reconstruction, Tank bund Strengtehining, Supply channel desilting, and field channel improvements	Now proposed Repairs to Sluices, strengthening the tank bund Supply channel improvements, and Surplus weir improvements	
5)	Kilvenpakkam tank	Weir Repairs, Tank bund Strengtehining, Supply channel desilting,and field channel improvements	Now proposed Sluice No3 Reconstruction, strengthening the tank bund Supply channel retaining wall construction, and Surplus weir improvements	
6)	Asanallikuppam tank	Weir Repairs, Tank bund Strengtehining, Supply channel desilting,and field channel improvements	Now proposed Sluice No.2 Reconstruction, strengthening the tank bund Supply channel retaining wall constructions, and Surplus weir improvements	
7)	Pudupattuthangal	Tank bund Strengtehining, Supply channel, sluice Reconstruction and partly field channel improvements	Now proposed to strengthen the tank bund and construction of skin wall in the toe of the bund to avoid seepage	

REHABILITATION OF IRRIGATION INFRASTRUCTURE OF THE KOSASTHALAIYAR SUB BASIN

1.6 REHABILITATION OF IRRIGATION INFRASTRUCTURE

1.6.1 STRUCTURAL Status and Defeciency in the System

The following are the present structural conditions of Kosasthalaiyar sub basin.

1. This system is an old system existing for more than 100 years as such requires
   rehabilitation.
2. The damaged or dilapidated existing sluices, weirs, supply channels comes poor standard of entire conveyance of system.
3. The existing tank bunds are in damaged condition and required to be standardized.
4. The existing banks of the supply channels are in damaged condition at may places.
5. The system and Non system tanks are to be rehabilitated.

SALIENT FEATURES OF PROPOSALS:

In order to improve the conveyance and Operational Efficiency in irrigation, it is now proposed to improve and modernize the irrigation infrastructures in Kosasthalaiyar Sub basin.

1) Repairing, Restoring the traditional water bodies.
2) Desilting the supply channels to tank.
3) Strengthening the bunds of the tanks and channels wherever necessary for effectively storing the water and conveying it to the entire command area and also for conveying agriculture inputs to the field.
4) Repairs to the 241 Nos. damaged weirs and Re-construction of 14 weirs.
5) Repairs to the 179 Nos.of damaged sluices and 366 No.of Reconstruction of sluices.
6) Providing revetments and Retaining walls in selective area of the tanks.
7) Providing S.G shutter / Plug arrangements to Sluices, Head sluices.
8) Removing, Repairing and re fixing in position of the existing SG shuttering arrangements and Providing locking arrangements etc.,
9) Providing revetments and retaining walls in the selective area of supply channel

1.6.2 EXPECTED OUTCOME

1. Increase in conveyance efficiency from 43% to 53%
2. The present Gap area is to be converted as a fully irrigated area.
3. The following irrigation infrastructure development works are proposed in the sub basin.

   Rehabilitation works for 262 Tanks.

   Rehabilitation of supply channel for 534.152 km.

WRO COST - PACKAGE WISE ABSTRACT

Sl. No.	Name of the cluster / infrastructure / Village	Bund		Repairs to Sluice		Reconstruction of Sluice		Repairs to Weir		Reconstruction of Weir		Supply channel		Anicut		Field channel		Total
		Length	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	Length	Amount	Length	Amount	Length	Amount	
	Vellore District																	
1	PACKAGE NO 1	24878	151.03	21	13.3	20	48.69	22	80.83			28700	52.16			2100	56.57	402.58
2	PACKAGE NO 2	21031	120.71	21	13.08	14	38.08	16	54.35			63400	128.55			1400	37.7	392.50
3	PACKAGE NO.3	6000	153.7	14	17.3			2	186.26			6000	200.97			1500	40.1	598.33
4	PACKAGE NO.4	30707	197.64	28	31.27	19	51.68	17	175.99			45600	83.53			1350	31.75	571.86
5	PACKAGE NO.5	17452	114.73	18	20.03	12	30.82	14	104.44			31800	44.49			1000	23.7	338.21
6	PACKAGE NO.6	24256	197.81	16	21.06	13	31.62	12	182.2			37000	106.52			850	20.3	559.51
7	PACKAGE NO.7	28793	218.89	17	23.23	17	44.73	15	194.27			35550	80.54			1950	47	608.66
	Tiruvallur District																	
8	PACKAGE NO.8	30162	151.68	18	20.31	19	56	15	22.89			29449	39.88			3676	78.72	369.48
9	PACKAGE NO.9	27291	134.04			34	83.08	9	38.46	1	8.67	32450	17.03			3570	82.58	363.86
10	PACKAGE NO.10	23341	121.33			36	85.75	14	66.78			38700	22.58			2495	60	356.44
11	PACKAGE NO.11	36003	132.76			34	88.52	11	48.44	1	8.67	35000	42.04			1398	30.93	351.36
12	PACKAGE NO.12	25498	108			26	67	10	62			28000	17			2930	27	281.60

13	PACKAGE NO.13	26617	13			17	36	8	4			35500	24			3800	92	336.52
14	PACKAGE NO.14	15637	105			19	52	14	28			57535	14			950	25	224.14
15	PACKAGE NO.15	21881	188.92			18	48.99	6	66.4	3	46.23	3550	17.87			1100	29.23	397.64
16	PACKAGE NO.16	34343	181			18	42	5	42			25750	36			2915	63	363.84
17	PACKAGE NO.17	15070	180	1	0	16	40	5	26	9	46	8810	11			700	2	325.02
18	PACKAGE NO.18	27070	315	1	1	20	43	13	88			16100	31			1100	27	504.84
	Grand Total	**436030**	**2908**	**155**	**161**	**352**	**888**	**208**	**1516.79**	**14**	**110**	**558894**	**969**			**34784**	**794**	**7346.37**

Package 1 to 18 cost of Turfing, measuring device, Bedbar, demarcation stone 297.79

Sub-Total **7644.17**

Environmental Cell 25.20

Sub-Total **7669.37**

DETAILS OF PROPOSALS IN EACH INFRASTRUCTURE (CLUSTER WISE)

Sl. No	Name of tank/ Anicut/ Reservoir	Bund		Sluice Repair		Sluice Reconstruction		Weir Repair		Weir Reconstruction		Supply Channel		Anicut		Field Channel		Amount in Lakhs
		Length	Amt	No	Amt	No	Amt	No	Amt	No	Amt	Length	Amt	Length	Amt	Length	Amt	
	CLUSTER 1	15644	93.41	11	5.67	14	34.12	11	39.94			16500	34.95			1300	35.01	243.1
	CLUSTER 2	9234	57.62	10	7.63	6	14.57	11	40.89			12200	17.21			800	21.56	159.48
	CLUSTER 3	13291	76.09	10	6.54	7	17.75	9	27.61			43200	103.27			850	22.9	254.16
	CLUSTER 5	6000	153.7	14	17.3			2	186.26			6000	200.97			1500	40.1	598.33
	CLUSTER 4	7740	44.62	11	6.54	7	20.33	7	26.74			20200	25.28			550	14.83	138.34
	CLUSTER 6	13810	91.5	13	12.61	10	26.84	10	69.54			25300	29.23			650	15.29	245.01
	CLUSTER 7	16897	106.14	15	18.66	9	24.84	7	106.45			20300	54.3			700	16.46	326.85
	CLUSTER 8	2256	15.67	2	3.16	1	2.66	2	7.7			5200	5.68			150	3.55	38.42
	CLUSTER 9	15196	99.06	16	16.87	11	28.16	12	96.74			26600	38.81			850	20.15	299.79
	CLUSTER 10	13593	124.39	9	11.79	9	21.18	6	72.75			18500	46.68			450	10.78	287.57
	CLUSTER 11	10663	73.42	7	9.27	4	10.44	6	109.45			18500	59.84			400	9.52	271.94
	CLUSTER 12	13592	105.85	7	10.4	9	23.71	7	19.71			14850	41.67			650	15.67	217.01
	CLUSTER 13	15201	113.04	10	12.83	8	21.02	8	174.56			20700	38.87			1300	31.33	391.65
	Sub-Total	**5**	**1154.51**	**135**	**139.27**	**95**	**245.6**	**98**	**978.34**			**248050**	**696.76**					**3471.65**
	CLUSTER-14	17510	91.32	3	3.78	13	36.35	7	11.34			13949	23.63			1332	25.53	191.95
	CLUSTER-15	10182	47.11	11	14.66	4	12.88	7	10.95			7700	9.59			1795	40.77	135.96
	CLUSTER- 16	2470	13.25	4	1.87	2	6.77	1	0.6			7800	6.66			549	12.42	41.57
	CLUSTER - 17	7681	34.13			5	10.65	4	9.44			6550	2.56			580	13.18	69.96
	CLUSTER - 18	7964	45.71			14	35.08	3	22.68			11100	6.49			1390	32.54	142.5
	CLUSTER - 19	11646	54.2			15	37.35	2	6.34	1	8.67	14800	7.98			1600	36.86	151.4
	CLUSTER - 20	4551	23.61			7	20.19	6	30.89			14500	9.88			835	19.18	103.75
	CLUSTER - 21	4900	21.02			10	19.53	4	16.65			8500	3.67			695	16.62	77.49
	CLUSTER - 22	13890	76.7			19	46.03	4	19.24			15700	9.03			965	24.2	175.2

	CLUSTER - 23	20068	71.39			16	40.93	6	20.2			16000	17.43			692	17.32	167.27
	CLUSTER - 24	15935	61.37			18	47.59	5	28.24	1	8.67	19000	24.61			706	13.61	184.09
	CLUSTER - 25	10577	45.828 01			8	21.54	4	32.84			11500	7.05			1210	16.2	123.458
	CLUSTER - 26	5974	23.11			10	26.89	3	20.85			9000	6.58			1000	4.2	81.63
	CLUSTER - 27	8947	39.37			8	18.98	3	8			7500	3.71			720	6.45	76.51
	CLUSTER - 28	6553	35.69			5	9.97	3	22.64			7500	5.57			700	20.79	94.66
	CLUSTER - 29	7342	35.11			4	8.06	3	17.58			9500	2.76			1100	24.83	88.34
	CLUSTER - 30	12722	65.36			8	17.72	2	9.06			18500	15.22			2000	46.16	153.52
	CLUSTER - 31	15637	105.27			19	52.15	14	28.34			57535	13.63			950	24.75	224.14
	CLUSTER -32	21881	188.92			18	48.99	6	66.4	3	46.23	3550	17.87			1100	29.23	397.64
	CLUSTER - 33	4650	22.42			3	7					2000	2.55			315	7.25	39.11
	CLUSTER - 34	6404	28.92			5	12.36	1	13.32			3000	2.73			560	13.16	70.49
	CLUSTER - 35	15211	81.97			5	10.75	2	14.24			7000	6.23			1275	24.43	137.62
	CLUSTER - 36	8078	47.26			5	12.26	2	14.37			13750	24.72			765	18.03	116.64
	CLUSTER - 37	15070	180	1	0	16	40	5	26	9	46	8810	11			700	22	325.02
	CLUSTER - 38	27070	315	1	1	20	43	13	88			16100	31			1100	27	504.84
	Sub-Total																	
		436030	**2907.91**	**155**	**160.59**	**352**	**888.21**	**208**	**1516.79**	**14**	**109.55**	**558894**	**969.01**			**34784**	**794.33**	**7346.39**

Package 7 to 18 cost of Turfing, measuring device, Bedbar, demarcation stone 297.79

7644.1

Sub-Total **7**

Environmental Cell 25.20

Grand Total **7669.37**

Details of Proposals in each Infrastructure of the Sub Basin

Sl. No.	Name of the cluster / infrastructure / Village	Bund		Repairs to Sluice		Reconstruction of Sluice		Repairs to Weir		Reconstruction of Weir		Supply channel		Anicut		Field channel		Total
		Length	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	Length	Amount	Length	Amount	Length	Amount	
1	2	3	4			5	6			7	8	9	10	11	12	13	14	15
	CLUSTER NO .1																	
1	Maruderi tank	747	4.55	2	0.79			2	3.49			1100	4.18			150	4.04	17.05
2	Sumaithangi tank	1813	11.02	1	1.30	3	7.55					2500	5.96			200	5.38	31.21
3	Jaderi	1859	11.40	1	1.06	3	6.00	1	5.36			1100	5.92			200	5.38	35.12
4	Bagaveli tank	1859	11.48	2	0.66			1	2.08			1300	3.06			50	1.35	18.63
5	Valluvampakkam tank	1828	10.32	2	0.85	2	5.93	2	8.40			1200	4.42			200	5.38	35.30
6	Ponnappanthangal tank	2499	15.30	1	1.01	3	7.76	1	1.67			1500	1.46			200	5.38	32.58
7	Vangur Nagaleri tank	853	5.09			1	2.27	1	4.49			1100	1.97			50	1.35	15.17
8	Govindacheri tank	2956	16.40	1				1	9.85			2500	4.29			100	2.70	33.24
9	Govindacherikuppam tank	690	4.30	1				1	2.13			1200	1.05			50	1.35	8.83
10	Musiri tank	540	3.55			2	4.61	1	2.47			3000	2.64			100	2.7	15.97
		15644	**93.41**	**11**	**5.67**	**14**	**34.12**	**11**	**39.94**			**16500**	**34.95**			**1300**	**35.01**	**243.10**

	CLUSTER NO .2																	
1	Mangalam big tank	1210	7.32	2	1.60			2	12.46			1100	1.39			100	2.7	25.47
2	Mangalam chitteri	1112	7.21	1	1.07	1	2.19	1	10.06			1200	2.67			100	2.7	25.90
3	Kilveeranam tank	1115	6.88	2	1.20			1	1.37			1100	1.12			50	1.35	11.92
4	Kilveeranamthangal tank	1567	10.12	1	1.20	2	4.58	1	3.32			1200	1.37			150	4.04	24.63
5	Suriyakulam tank	571	3.73	1	1.20	1	2.57	1	2.88			1100	1.79			50	1.35	13.52
6	Vedanthangal tank	1480	8.98			2	5.23	1	6.36			2000	3.57			150	4.04	28.18
7	Banavaram tank	762	4.46	1	0.41			2	0.81			3000	3.90			100	2.69	12.27
8	Karnavoor tank	1417	8.92	2	0.95			2	3.63			1500	1.40			100	2.69	17.59
		9234	**57.62**	**10**	**7.63**	**6**	**14.57**	**11**	**40.89**			**12200**	**17.21**			**800**	**21.56**	**159.48**
	Package No.1 Total	**24878**	**151.03**	**21**	**13.3**	**20**	**48.69**	**22**	**80.83**			**28700**	**52.16**			**2100**	**56.57**	**402.58**
	CLUSTER NO .3																	
1	Mahendravadi tank	2135	6.24									24300	77.63			200	5.38	89.25
2	Irulan Odai tank	603	3.76			1	2.32					500	1.81			50	1.35	9.24
3	Meenakshithangal tank	865	5.41									700	1.66			50	1.35	8.42
4	Balakrishnapuram tank	1348	8.47			1	2.42	1	1.57			2000	3.60			50	1.35	17.41
5	Kattupakkam Paleri	1262	8.30	1	0.82	1	2.50					1300	1.92					13.54
6	Munipillaithangal tank	332	2.38	1	1.11	1	2.56	1	3.11			800	2.03			50	1.35	12.54
7	Meleri	1066	6.79	1	0.68	1	2.22	1	4.01			2500	3.53			50	1.35	18.58
8	Velithangipuram tank	1255	7.95	2	0.81	1	2.72	2	3.96			2200	2.00			100	2.69	20.13
9	Arasankuppam tank	1762	10.76	1	0.83			1	5.71			2500	2.21			100	2.69	22.20
10	Nariyanthangal tank	1005	6.36	1	0.40			1	4.91			2200	2.00			50	1.35	15.02
11	Kattupakkam big tank	884	5.17	2	0.81	1	3.01	1	2.10			3000	2.82			50	1.35	15.26
12	Maliyamedu tank	774	4.50	1	1.08			1	2.24			1200	2.06			100	2.69	12.57

		13291	**76.09**	**10**	**6.54**	**7**	**17.75**	**9**	**27.61**			**43200**	**103.27**			**850**	**22.9**	**254.16**
	CLUSTER NO .5																	
1	Alapakkam tank	1300	8.70	2	0.83	1	3.05	1	3.74			1500	2.45			100	2.79	21.56
2	Sathuvanatham tank	734	4.84			1	3.12	1	2.86			1800	2.61			50	1.45	14.88
3	Pudupattu big tank	824	4.04	2	0.83			1	5.01			4000	4.30			50	1.35	15.53
4	Pudupattuthangal tank	625		1	0.67							5000	1.81			50	1.35	3.83
5	Upparanthangal tank	560	3.51	1	0.82	2	5.14	1	1.65			1700	3.14			150	4.04	18.30
6	Pudur tank	1720	10.89	2	1.22	1	2.99	1	5.98			2500	4.28			50	1.25	26.61
7	Gangadaranallur tank	1127	7.13	1	1.09	1	2.99	1	6.59			2200	3.36			50	1.25	22.41
8	Panniyur tank	850	5.51	2	1.08	1	3.04	1	0.91			1500	3.33			50	1.35	15.22
		7740	**44.62**	**11**	**6.54**	**7**	**20.33**	**7**	**26.74**			**20200**	**25.28**			**550**	**14.83**	**138.34**
	Package.2 Total	**21031**	**120.71**	**21**	**13.08**	**14**	**38.08**	**16**	**54.35**			**63400**	**128.55**			**1400**	**37.73**	**392.50**
	CLUSTER NO .4																	
1	Kaveripakkam tank	6000	153.70	14	17.30			2	186.26			6000	200.97			1500	40.1	598.33
		6000	**153.70**	**14**	**17.30**			**2**	**186.26**			**6000**	**200.97**			**1500**	**40.10**	**598.33**
	Package.3 Total	**6000**	**153.70**	**14**	**17.30**			**2**	**186.26**			**6000**	**200.97**			**1500**	**40.10**	**598.33**
	CLUSTER NO .6																	
1	Kilveethi chitteri	1100	6.94	1	0.71	1	2.30	1	37.36			2000	1.68			100	2.35	51.34
2	Kilveethi big tank	2250	14.12	2	3.03	1	2.80	2	6.47			6000	5.23			100	2.35	34.00
3	Peraperi tank	1341	9.48	1	1.05	1	2.32	1	8.78			5500	4.98			100	2.35	28.96
4	Thuraiyur tank	1188	8.19	2	1.40	1	3.09	1	3.57			1500	1.24			50	1.18	18.67
5	Uliyanallur tank	1676	12.16	2	1.55	1	2.67	2	4.33			3000	3.92			50	1.18	25.81
6	Konthankarai tank	1158	6.95	1	1.06	1	2.62	1	4.00			800	2.85			100	2.35	19.83
7	Vepperi chitteri	488	3.02	1	1.08	1	2.55					800	1.36			50	1.18	9.19
8	Vepperi big tank	1768	12.3	1	1.50	1	2.52	1	3.99			2000	1.80			100	2.35	24.46
9	Nemili tank	1341	10.07			2	5.97					1500	1.23					17.27

10	Kariyakudal tank	1500	8.27	2	1.23			1	1.04			2200	4.94					15.48
		13810	**91.5**	**13**	**12.61**	**10**	**26.84**	**10**	**69.54**			**25300**	**29.23**			**650**	**15.29**	**245.01**
	CLUSTER NO .7																	
1	Thenmampakkam tank	1200	5.91	2	2.08			1	5.05			2300	5.01			50	1.18	19.23
2	Reddivalam tank	2377	15.23			1	2.39	1	36.77			5300	31.36			50	1.18	86.93
3	Thennal tank	1646	12.03	1	0.81	1	2.57					1600	1.36			100	2.35	19.12
4	Vettankulam tank	1524	10.64	2	2.51	2	5.68	2	55.01			1600	1.36			100	2.35	77.55
5	Punnai tank	2286	14.96	2	1.47	1	3.20	1	2.95			1400	1.17			100	2.35	26.10
6	Zageerthandalam tank	2712	18.18	3	4.93	1	2.45	1	5.91			5500	8.92			150	3.52	43.91
7	Velleri tank	1311	8.64	1	1.13	1	2.64	1	0.76			1000	0.92			50	1.18	15.27
8	Kilvenpakkam tank	2561	11.98	2	3.50	1	3.04											18.52
9	Melvenpakkam tank	1280	8.57	2	2.23	1	2.87					1600	4.20			100	2.35	20.22
		16897	**106.14**	**15**	**18.66**	**9**	**24.84**	**7**	**106.45**			**20300**	**54.3**			**700**	**16.46**	**326.85**
	Package.4 Total	**30707**	**197.64**	**28**	**31.27**	**19**	**51.68**	**17**	**175.99**			**45600**	**83.53**			**1350**	**31.75**	**571.86**
	CLUSTER NO .8																	
1	Sirukarumbur tank	1585	10.59	1	1.66	1	2.66	1	6.70			2500	2.12			100	2.37	26.10
2	Eralacheri tank	671	5.08	1	1.50			1	1.00			2700	3.56			50	1.18	12.32
		2256	**15.67**	**2**	**3.16**	**1**	**2.66**	**2**	**7.70**			**5200**	**5.68**			**150**	**3.55**	**38.42**
	CLUSTER NO .9																	
1	Peruvlayam tank	2469	15.65	3	3.12	2	4.81	1	44.96			3000	3.01			200	4.75	76.30
2	Kalpalampattu Alanthangal	853	5.76	2	1.88	1	2.90	1	2.16			1000	0.82			100	2.37	15.89
3	Kalpalampattu Putheri	457	3.08	1	1.04			1	36.32			4200	9.49			50	1.18	51.11
4	Sivaramanthangal tank	762	5.70	1	1.05	1	2.22	1				800	0.51			50	1.18	10.66
5	Siruvalayam tank	1585	8.68	2	2.06	3	8.48	2	1.90			3000	7.92			150	3.57	32.61

6	Dharmaneethi tank	1006	6.79	2	3.10	1	2.20	1	3.58			4500	3.80			100	2.37	21.84
7	Nangamangalam tank	3200	21.61	1	1.06	1	2.46	1	2.98			4000	6.21			100	2.37	36.69
8	Poigainallur Meleri	1433	9.47			1	2.76	1	1.28			3500	4.66			50	1.18	19.35
9	Poigainallur Periyathangal	975	6.56	1	1.06			1	1.21			1000	0.82			50	1.18	10.83
10	Poigainallur Chinnathangal	126	0.88	1	0.85							1000	0.97					2.70
11	Poigainallur Kilathangal	1280	8.5			1	2.33	1	1.35			600	0.60					12.78
12	Panapakkam tank (NK)	1050	6.38	2	1.65			1	1.00									9.03
		15196	**99.06**	**16**	**16.87**	**11**	**28.16**	**12**	**96.74**			**26600**	**38.81**			**850**	**20.15**	**299.79**
	Package.5 Total	**17452**	**114.73**	**18**	**20.03**	**12**	**30.82**	**14**	**104.44**			**31800**	**44.49**			**1000**	**23.7**	**338.21**
	CLUSTER NO .10																	
1	Asanallikuppam tank	2800	9.82	2	5.13	1	1.51	1	56.24			5500	4.93					77.63
2	S.Kolathur tank	1707	45.71	1	1.05	2	5.23	1	3.18			2000	2.16			150	3.6	60.93
3	Nelvoy tank	2560	18.72	1	0.78	2	3.82	1	3.61			2600	14.02			150	3.6	44.55
4	Pallur big tank	2684	19.87	2	1.73	2	5.04	1	2.97			5800	16.56			50	1.2	47.37
5	Pallur Chitteri	2317	21.31	2	2.12	1	3.10	1	1.20									27.73
6	Pallur Putheri	1525	8.96	1	0.98	1	2.48	1	5.55			2600	9.01			100	2.38	29.36
		13593	**124.39**	**9**	**11.79**	**9**	**21.18**	**6**	**72.75**			**18500**	**46.68**			**450**	**10.78**	**287.57**
	CLUSTER NO .11																	
1	Illupaithandalam tank	2172	10.12	2	3.75			1	98.31			4800	11.20			100	2.38	125.76
2	Synapuram big tank	2303	13.16	1	0.95	2	5.23	2	5.52			2300	8.73			100	2.38	35.97
3	Synapuram small tank	1800	10.91	1	1.54	1	2.65	1	2.02			2000	7.61			100	2.38	27.11
4	Synapuramthangal tank	1600	14.09									1800	3.63					17.72
5	Attupakkam big tank	1617	9.00	2	0.88			1	1.20			6800	26.10			50	1.19	38.37

6	Attupakkam small tank	1171	16.14	1	2.15	1	2.56	1	2.40			800	2.57			50	1.19	27.01
		10663	**73.42**	**7**	**9.27**	**4**	**10.44**	**6**	**109.45**			**18500**	**59.84**			**400**	**9.52**	**271.94**
	Package.6 Total	**24256**	**197.81**	**16**	**21.06**	**13**	**31.62**	**12**	**182.20**			**37000**	**106.52**			**850**	**20.30**	**559.51**
	CLUSTER NO .12																	
1	Takkolam Kalleri	2412	14.81	2	1.97	1	2.50	1	1.35			4500	11.30			100	2.41	34.34
2	Arigilpadi tank	1695	14.11	2	2.59			1	2.12			2500	5.51			100	2.41	26.74
3	Thirumadulampakkam tank	1730	14.87	1	1.84	2	4.33	1	4.56			800	2.61			100	2.41	30.62
4	Mangattucheri tank	1625	14.00			2	5.79	1	1.12			750	2.69					23.60
5	Pinnavaram tank	1677	11.52			2	5.65	1	5.35			3000	8.30			100	2.41	33.23
6	Kadambanallur tank	2074	17.23	2	4.00	1	2.56	1	0.75			800	4.03			150	3.62	32.19
7	Parameswaramangalam tank	2379	19.31			1	2.88	1	4.46			2500	7.23			100	2.41	36.29
		13592	**105.85**	**7**	**10.4**	**9**	**23.71**	**7**	**19.71**			**14850**	**41.67**			**650**	**15.67**	**217.01**
	CLUSTER NO .13																	
1	Sendamangalam big tank	1525	14.54	1	0.98			1	0.72			1000	3.11					19.35
2	Sendamangalam small tank	756	7.76	1	0.94	1	2.46	1	7.80			1000	0.74			100	2.41	22.11
3	Manavanthangal tank	1650	14.96	1	1.31	1	2.46	1	3.09							100	2.41	24.23
4	Ganapathipuram tank	2440	13.90	1	0.96	1	2.83	1	12.02			4800	9.73			100	2.41	41.85
5	Murungai tank	2577	15.46	3	3.67			1	21.62			5800	7.30			150	3.62	51.67
6	Takkolam big tank	3203	23.35	2	4.00	2	5.55	1	123.90			6300	13.38			600	14.45	184.63
7	Chittoor big tank	2074	11.77	1	0.97	1	2.90	1	2.97			1500	4.34			150	3.62	26.57
8	Chittoor small tank	976	11.30			2	4.82	1	2.44			300	0.27			100	2.41	21.24
	TOTAL	**15201**	**113.04**	**10**	**12.83**	**8**	**21.02**	**8**	**174.56**			**20700**	**38.87**			**1300**	**31.33**	**391.65**
	Package.7 Total	**28793**	**218.89**	**17**	**23.23**	**17**	**44.73**	**15**	**194.27**			**35550**	**80.54**			**1950**	**47**	**608.66**

	CLUSTER-14																	
1	Periakalakkattur Big Tank	1524	8.20	2	1.59			1	1.96			4524	7.57			150	3.19	22.51
2	Periakalakkattur Chitteri	1524	7.97					1	0.28			2000	3.30			100	2.12	13.67
3	Villanthangal Tank	671	2.36															2.36
4	Thozudhavur Tank	1920	10.01			2	5.14	1	1.15			1500	2.48			150	3.13	21.91
5	Orathur Tank	1798	9.64			1	2.77	1	1.09			1200	5.07			150	2.31	20.88
6	J.S.Ramapuram Chitteri	671	4.11			2	5.26	1	0.43			225	0.11			150	2.09	12.00
7	Kalambakkam Big Tank	1325	5.70			1	2.50	1	1.11			1500	2.20			100	1.49	13.00
8	Manavur Hissa Tank	4785	25.91	1	2.19	3	12.06					3000	2.90			260	5.43	48.49
9	Lakshmivilasapuram Tank	2256	11.46			1	2.97	1	5.32							122	2.66	22.41
10	Ponnangulam Tank	1036	5.96			3	5.65									150	3.11	14.72
	Sub-Total	**17510**	**91.32**	**3**	**3.78**	**13**	**36.35**	**7**	**11.34**			**13949**	**23.63**			**1332**	**25.53**	**191.95**
	CLUSTER-15																	
1	Chakramallur Tank	1342	5.74	3	2.1			1	1.30			500	0.26			180	3.59	12.99
2	Ganesapuram Tank	854	4.29	1	0.10	1	2.73	1	4.30			900	1.41			300	6.50	19.33
3	Palayanur Big Tank	2225	10.0	2	5.17			2	3.04			3000	2.36			560	14.42	35.03
4	Pulavanallur Tank	1158	5.67			2	6.67	1	0.63			1500	3.88			105	2.84	19.69
5	Harichandrapuram Tank	1250	7.77	1	2.10	1	3.48	1	1.05			1800	1.68			345	7.14	23.22
6	Jageermangalam Big Tank	1981	8.71	2	4.90			1	0.63							150	3.31	17.55
7	Jageermangalam Chitteri	1372	4.89	2	0.29											155	2.97	8.15
	Sub-Total	**10182**	**47.11**	**11**	**14.66**	**4**	**12.88**	**7**	**10.95**			**7700**	**9.59**			**1795**	**40.77**	**135.96**
	CLUSTER- 16																	
1	Gulawadi Tank	915	5.04	2	1.23	1	4.11					1800	0.54			249	5.59	16.51
2	Gulawadi Pattrai Tank	610	3.38	1	0.02							2000	4.39			100	2.34	10.13
3	Thiruvangadu Netteri	945	4.83	1	0.62	1	2.66	1	0.60			4000	1.73			200	4.49	14.93

	Sub-Total	**2470**	**13.25**	**4**	**1.87**	**2**	**6.77**	**1**	**0.60**			**7800**	**6.66**			**549**	**12.42**	**41.57**
	Package.8 Total	**30162**	**151.68**	**18**	**20.31**	**19**	**56.00**	**15**	**22.89**			**29449**	**39.88**			**3676**	**78.72**	**369.48**
	PACKAGE NO.9																	
	CLUSTER - 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Ramankoil Tank	1400	7.61			1	2.24	1	2.23			3000	0.58			140	3.18	15.84
2	Sennavaram Tank	1433	6.52			1	2.06	1	2.07							120	2.73	13.38
3	Panabakkam Big Tank	1829	7.78			1	2.22					3000	1.19			220	5.00	16.19
4	Panambakkam Chitheri	1160	3.76									250	0.39					4.15
5	Thenkaranai Tank	1097	5.00			1	2.00	1	3.86							100	2.27	13.13
6	Thenkaranai Zeemaleri	762	3.46			1	2.13	1	1.28			300	0.4					7.27
		7681	**34.13**			**5**	**10.65**	**4**	**9.44**			**6550**	**2.56**			**580**	**13.18**	**69.96**
	CLUSTER - 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Kalaniyanur Big Tank	1400	8.59			4	7.73					2500	1.18			420	10.13	27.63
2	Kalaniyanur Chitheri	1220	8.23			2	5.88					1300	0.59			200	4.66	19.36
3	Nemili Agram Tank	950	6.55			2	4.75					2500	2.48			200	4.67	18.45
4	Melvilagam Tank	800	5.53			2	6.32	1	3.63							220	5.12	20.60
5	Vidaiyur Periya Eri	3000	13.44			2	6.29	1	2.39			2800	1.07			200	4.55	27.74
6	Vidaiyur Chitheri																	
7	Venmanambudur Tank	594	3.37			2	4.11	1	16.66			3000	1.17			150	3.41	28.72
		7964	**45.71**			**14**	**35.08**	**3**	**22.68**			**11100**	**6.49**			**1390**	**32.54**	**142.50**
	CLUSTER - 19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Pattraiperumbudur Tank	2728	14.44			3	7.32					3000	2.13			300	6.95	30.84
2	Manjakuppam Tank	1000	5.21			2	7.42					3500	1.75			200	4.67	19.05
3	Kunnavalam Tank	832	4.67			2	5.09			1	8.67	2500	1.36			200	4.66	24.45
4	Thirupatchur Tank	4100	16.00			5	10.48	1	4.52			2600	1.17			600	13.63	45.80

5	Kaivandur Tank	2986	13.88			3	7.04	1	1.82			3200	1.57			300	6.95	31.26
		11646	**54.20**			**15**	**37.35**	**2**	**6.34**	**1**	**8.67**	**14800**	**7.98**			**1600**	**36.86**	**151.40**
	Package.9 Total	**27291**	**134.04**			**34**	**83.08**	**9**	**38.46**	**1**	**8.67**	**32450**	**17.03**			**3570**	**82.58**	**363.86**
	PACKAGE NO.10																	
	CLUSTER - 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Rangapuram Tank	701	4.71			1	2.95	1	1.95			2000	1.66			90	2.06	13.33
2	Krishnapuram Tank	650	3.28			1	3.85	1	2.55			4000	1.75			180	4.13	15.56
3	Thirupair Matheri Tank	600	2.43			1	3.23	1	3.30			2000	1.16			125	2.90	13.02
4	Sendrayapalayam Tank	700	3.65			1	4.73	1	11.96			5500	4.73			100	2.29	27.36
5	Nayapakkam Budheri	900	4.31			1	2.20	1	7.89							100	2.30	16.70
6	Nayapakkam Chitheri																	
7	Ariyathur Tank	1000	5.23			2	3.23	1	3.24			1000	0.58			240	5.50	17.78
		4551	**23.61**			**7**	**20.19**	**6**	**30.89**			**14500**	**9.88**			**835**	**19.18**	**103.75**
	CLUSTER - 21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Ponnapattu Tank	1100	4.22			2	4.84	1	2.04			1800	0.77			60	1.52	13.39
2	Attrambakkam Tank	1200	5.23			2	4.10	1	6.51			3100	1.26			200	5.05	22.15
3	Eraiyur Big Tank	1400	6.14			3	5.33	1	3.58			1700	0.77			225	5.21	21.03
4	Eraiyur Chitheri	1200	5.43			3	5.26	1	4.52			1900	0.87			210	4.84	20.92
		4900	**21.02**			**10**	**19.53**	**4**	**16.65**			**8500**	**3.67**			**695**	**16.62**	**77.49**
	CLUSTER - 22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Melanur Tank	1707	6.98			2	8.85	1	4.81			3000	3.38			120	2.90	26.92
2	Pinnapakkam Tank	3383	30.88			2	4.87					4000	1.63			40	2.31	39.69
3	Chithapakkam Tank	3500	15.57			5	9.72	1	4.11			2100	0.98			300	6.91	37.29
4	Ramathandalam Tank	1500	5.58			5	9.01	1	5.67			4000	1.76			220	5.44	27.46

5	Pullarambakkam Tank	3800	17.69			5	13.58	1	4.65			2600	1.28			285	6.64	43.84
		13890	**76.70**			**19**	**46.03**	**4**	**19.24**			**15700**	**9.03**			**965**	**24.20**	**175.20**
	Pakage.10 Total	**23341**	**121.33**			**36**	**85.75**	**14**	**66.78**			**38700**	**22.58**			**2495**	**60**	**356.44**
	PACKAGE NO.11																	
	CLUSTER - 23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Ikkadu Kalayani Eri	1414	7.11			2	4.53	1	7.49			2000	2.26			62	1.71	23.10
2	Ikkadu Big Tank	2591	10.28			3	7.42					4000	3.92			120	3.06	24.68
3	Ikkadu New Tank	2194	7.46			1	2.47	1	3.07							30	1.15	14.15
4	Kakkalur	2682	10.10			2	6.17	2	4.46			3000	2.94			134	3.87	27.54
5	Kalambakkam	1951	6.80			2	6.11					2000	2.39			120	2.34	17.64
6	Kalayanakuppam Kos.	2591	11.12			2	4.78									90	2.35	18.25
7	Kalayanakuppam Tank	1768	6.76			2	4.44	1	3.37			2000	2.39			78	1.62	18.58
8	Thandalam Big Tank	4877	11.76			2	5.01	1	1.81			3000	3.53			58	1.22	23.33
		20068	**71.39**			**16**	**40.93**	**6**	**20.20**			**16000**	**17.43**			**692**	**17.32**	**167.27**
	CLUSTER - 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Ayalur Mettuthangal	1513	5.51			2	5.18	1	3.83			1000	1.19			50	0.90	16.61
2	Ayalur Tank	2134	7.01			3	8.48			1	8.67	3000	3.58			80	1.65	29.39
3	Ayathur Thangal	1717	7.12			2	4.20	1	6.48			3000	1.58			100	1.40	20.78
4	Perathur	3530	14.85			3	7.57	1	3.41			3000	2.08			175	2.71	30.62
5	Kilanur Tank					1	3.22					4000	4.49			54	1.20	8.91
6	Othikadu Tank	2835	7.78			3	7.56	1	10.73			2000	1.60			112	2.97	30.64
7	Sitrathur Tank	1920	8.70			2	4.71					1500	1.56			60	1.51	16.48
8	Veeragavapuram Tank	2286	10.40			2	6.67	1	3.79			1500	8.53			75	1.27	30.66
		15935	**61.37**			**18**	**47.59**	**5**	**28.24**	**1**	**8.67**	**19000**	**24.61**			**706**	**13.61**	**184.09**
	Package.11 Total	**36003**	**132.76**			**34**	**88.52**	**11**	**48.44**	**1**	**8.67**	**35000**	**42.04**			**1398**	**30.93**	**351.36**
	CLUSTER - 25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1	Puliyur	3536	15.10			2	5.75	1	14.49			3000	1.75			400	4.30	41.39
2	Sivanvoyal	3170	11.90			3	7.96	1	5.28			3000	1.70			300	2.66	29.50
3	Vadhatur Tank	2591	12.18			2	4.84	1	10.31			2000	1.17			210	2.42	30.92
4	Melakondaiyur Tank	1280	6.65			1	2.99	1	2.76			3500	2.43			300	6.82	21.65
		10577	**45.83**			**8**	**21.54**	**4**	**32.84**			**11500**	**7.05**			**1210**	**16.20**	**123.46**
	CLUSTER - 26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Pakkam Chitheri	2103	9.14			3	7.07	1	1.50			2000	0.93			300	2.64	21.28
2	Pakkam Tank	2591	10.03			4	12.56	1	10.08			5000	4.16			400	0.52	37.35
3	Pakkam Thangal	1280	3.94			3	7.26	1	9.27			2000	1.49			300	1.04	23.00
		5974	**23.11**			**10**	**26.89**	**3**	**20.85**			**9000**	**6.58**			**1000**	**4.20**	**81.63**
	CLUSTER - 27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Karikalavakkam Tank	3536	11.25			4	10.64	1	2.25			2000	1.86			400	2.31	28.31
2	Velliyur Big Tank	3231	16.67			1	2.34	1	3.34			3000	0.78			200	2.98	26.11
3	Vilambakkam Tank	1080	5.53			2	4.40	--				1000	0.49			60	0.58	11.00
4	Vilambakkam Uranithangal	1100	5.92			1	1.60	1	2.41			1500	0.58			60	0.58	11.09
		8947	**39.37**			**8**	**18.98**	**3**	**8.00**			**7500**	**3.71**			**720**	**6.45**	**76.51**
	Pakage.12 Total	**25498**	**108.31**			**26**	**67.41**	**10**	**61.69**			**28000**	**17.34**			**2930**	**26.85**	**281.60**
																-		
	CLUSTER - 28	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
1	Magral Tank	1524	9.49			1	1.72	--				1000	0.58					11.79
2	Magral Nadu thangal	640	4.33			1	2.15	1	7.73			--						14.21
3	Magral Vizhu thangal	549	3.95			1	1.80	--				2000	1.90					7.65

4	Thamaraipakkam Tank	2499	10.55			1	2.51	1	8.04			3000	2.14			400	13.65	36.89
5	Kommakkambedu Tank	1341	7.37			1	1.79	1	6.87			1500	0.95			300	7.14	24.12
		6553	**35.69**			**5**	**9.97**	**3**	**22.64**			**7500**	**5.57**			**700**	**20.79**	**94.66**
	CLUSTER - 29	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
1	Guruvoyal Tank	1585	7.02			1	1.79	1	5.35			3000	1.16			200	5.93	21.25
2	Karani Tank	2528	13.29			1	2.55	1	5.66			2000	0.39			200	4.57	26.46
3	Koduvelli panchanthangal	472	2.37			1	1.80	--				500	0.15			300	7.14	11.46
4	Koduveli Tank	2757	12.43			1	1.92	1	6.57			4000	1.06			400	7.19	29.17
		7342	**35.11**			**4**	**8.06**	**3**	**17.58**			**9500**	**2.76**			**1100**	**24.83**	**88.34**
	CLUSTER - 30	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
1	Athivakkam Tank	1285	7.51			2	3.39	1	3.50			2000	2.20			300	7.13	23.73
2	Alinjivakkam Tank	1458	7.13			1	1.91	--				4000	3.30			300	7.28	19.62
3	Athingikavanoor Tank	1052	6.02			1	2.50	1	5.56			7000	5.06			300	7.28	26.42
4	Kilambakkam Tank	1707	8.80			1	2.11	--				--				300	6.93	17.84
5	Neiveli Tank	1750	9.40			--		--				2000	1.52			100	2.50	13.42
6	Poorivakkam Tank	1929	10.22			1	2.23	--				1000	0.22			400	8.99	21.66
7	Thirukandalam Tank	3541	16.28			2	5.58	--				2500	2.92			300	6.05	30.83
		12722	**65.36**			**8**	**17.72**	**2**	**9.06**			**18500**	**15.22**			**2000**	**46.16**	**153.52**
	Package.13 Total	**26617**	**136.16**			**17**	**35.75**	**8**	**49.28**			**35500**	**23.55**			**3800**	**91.78**	**336.52**
	CLUSTER - 31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Allikuli Tank	725	4.93			1	2.53	1	1.52			6880	1.63			50	1.30	11.91
2	Devandavakkam Tank	1097	8.37			1	2.36	1	0.44			3812	0.90			50	1.30	13.37
3	Kadervedu Tank	1010	7.22			1	2.35	1	1.78			1105	0.26			50	1.30	12.91
4	Korrakkanthandalam Jaderi	1000	6.89			1	2.26	1	10.98			4245	1.01			50	1.30	22.44

5	Meyyur Large Tank	1190	8.53			2	6.31	1	0.60			2913	0.69			100	2.61	18.74
6	Nelvoy Reddammaneri	2410	13.57			2	6.17	1	3.23			2942	0.70			100	2.61	26.28
7	Nelvoy Koppanthangal	914	6.58			1	3.27	1	0.64			2303	0.55			50	1.30	12.34
8	Nelvoy Perieri and Chiteri	1100	7.66			1	2.86	1	1.52			10400	2.46			50	1.30	15.80
9	Odaippai Big Tank	1000	5.27			2	4.72	1	0.48			4300	1.02			100	2.61	14.10
10	Sembedu Puderi and Chitheri	1100	8.76			2	5.85	1	3.44			4600	1.09			100	2.61	21.75
11	Thimmaboopalapuram	980	6.40			1	2.90	1	0.09			7800	1.85			50	1.30	12.54
12	Thimmaboopalapuram East Tank	1465	12.62			3	8.30	1	1.14			3435	0.81			150	3.91	26.78
13	Vellathukottai Eracheruvu	1646	8.47			1	2.27	2	2.48			2800	0.66			50	1.30	15.18
		15637	**105.27**			**19**	**52.15**	**14**	**28.34**			**57535**	**13.63**			**950**	**24.75**	**224.14**
	Package.14 Total	**15637**	**105.27**			**19**	**52.15**	**14**	**28.34**			**57535**	**13.63**			**950**	**24.75**	**224.14**
	CLUSTER -32																	
1	Koilpathagai Tank	2100	22.90			1	5.53	1	10.98			500	5.00			50	1.33	45.74
2	Mittanamallee Tank	1372	12.49			3	9.91					500	2.40			150	3.99	28.79
3	Vellacheri Tank	1950	18.63			1	5.53	1	5.87	1	19.3	800	5.95			50	1.33	56.61
4	Kadavoor Tank	1280	11.88			2	3.98					800	3.02			100	2.66	21.54
5	Palavedu Thangal	1480	12.53									950	1.50					14.03
6	Keelkondaiyur Tank	4495	33.43			3	6.44	1	6.67							150	3.98	50.52
7	Pandeswaram Tank	2450	17.61			2	4.86	1	16.64							150	3.98	43.09
8	Arakkambakkam Tank	500	7.60							1	11.05					50	1.33	19.98
9	Karalambakkam Tank	1829	15.05			3	6.15	1	13.72							200	5.31	40.23
10	Alathur Tank	2950	25.01			2	4.41	1	12.52							100	2.66	44.60

11	Melpakkam Tank	1475	11.79			1	2.18			1	15.88					100	2.66	32.51
		21881	**188.92**			**18**	**48.99**	**6**	**66.40**	**3**	**46.23**	**3550**	**17.87**			**1100**	**29.23**	**397.64**
	Package.15 Total	**21881**	**188.92**			**18**	**48.99**	**6**	**66.40**	**3**	**46.23**	**3550**	**17.87**			**1100**	**29.23**	**397.64**
	CLUSTER - 33																	
1	Pammadukulam Tank	920	0.54									200	0.42			40	0.92	1.88
2	Pammadukulam pudhu thangal	670	3.85													30	0.69	4.54
3	Vellanoor Big Tank	760	4.88			1	2.22									30	0.69	7.79
4	Vellanoor small Tank	760	4.64			1	1.99									115	2.65	9.28
5	Vellanoor Kandigai	750	4.09									1800	2.13			30	0.69	6.91
6	Pothur Tank	790	4.42			1	2.66									70	1.61	8.69
	Sub-Total	**4650**	**22.42**			**3**	**6.87**					**2000**	**2.55**			**315**	**7.25**	**39.09**
	CLUSTER - 34																	
1	Padiyanallur Tank	2650	9.46			2	4.86									220	5.11	19.43
2	Marambedu Tank	1104	6.39			1	2.16					1000	0.95			140	3.41	12.91
3	Perungavur Tank	2650	13.07			2	5.34	1	13.32			2000	1.78			200	4.64	38.15
	Sub-Total	**6404**	**28.92**			**5**	**12.36**	**1**	**13.32**			**3000**	**2.73**			**560**	**13.16**	**70.49**
	CLUSTER - 35																	
1	Thirunilai Tank	1939	11.49			1	2.12	1	7.12			1000	0.97	--	--	585	8.33	30.03
2	Vitchoor Tank	4026	21.50			1	2.39					1000	0.52	--	--	200	4.67	29.08
3	Periyamullaivoyal Tank	1708	10.34			1	1.81					3000	2.84	--	--	180	4.20	19.19
4	Sembiyam Manali Tank	2555	13.71			1	1.82	1	7.12			1000	0.95			180	4.20	27.80
5	Vellivoyal Tank	1677	10.30			1	2.61	--	--			1000	0.95	--	--	130	3.03	16.89
6	Sendrabakkam	1020	4.63			--	--	--	--			--	--	--	--	--	--	4.63
7	Sirungavoor	2286	10.00				--	--	--			--	--			--	--	10.00

						--								--	--			
	Sub-Total	**15211**	**81.97**			**5**	**10.75**	**2**	**14.24**			**7000**	**6.23**			**1275**	**24.43**	**137.62**
	CLUSTER - 36																	
1	Vazhuthigaimedu Tank	1650	10.15			1	1.78					750	0.49			100	2.35	14.77
2	Gnayar Tank	3441	19.56			2	4.98	2	14.37			6000	7.84			440	10.35	57.10
3	Nerkundram Tank	1187	7.00			2	5.50					4000	14.06			150	3.53	30.09
4	Agaram Tank	1800	10.55									3000	2.33			75	1.80	14.68
	Sub-Total	**8078**	**47.26**			**5**	**12.26**	**2**	**14.37**			**13750**	**24.72**			**765**	**18.03**	**116.64**
	Package.16Total	**34343**	**180.57**			**18**	**42.24**	**5**	**41.93**			**25750**	**36.23**			**2915**	**62.87**	**363.84**
	CLUSTER - 37																	
1	Erumainaickan kuppam Tank	1200	11.99			2	5.59											17.58
2	Vengal Tank	1600	17.70	1	0.41	2	6.86	2	8.41			3600	3.21			100	2.95	39.54
3	Ananthanakakkavakkam Tank	1710	16.14			2	3.93	1	7.08							100	2.95	30.10
4	Nalur Large Tank	2040	24.57			2	4.66			2	11.96	3800	4.29			100	2.95	48.43
5	Nalur Small Tank	1100	13.80			2	4.14			2	9.43					100	2.61	29.98
6	Minjur Tank	2440	30.55			1	2.03	2	10.83							50	1.64	45.05
7	Kalpakkam Large Tank	1630	20.55			2	6.87			1	7.67	1410	3.47			100	3.30	41.86
8	Kalpakkam Small Tank																	
9	Thottakadu Small Tank	520	6.25							1	5.00					100	3.14	14.39
10	Vellambakkam Large Tank	800	11.65			2	3.79			1	4.80					50	2.60	22.84
11	Vellambakkam Small Tank	780	10.10			1	1.83			1	3.62							15.55
12	Athipattu Thangal	1250	16.20							1	3.50							19.70
	Total	**15070**	**179.50**	**1**	**0.41**	**16**	**39.70**	**5**	**26.32**	**9**	**45.98**	**8810**	10.97			**700**	**22.14**	**325.02**
	Package,17 Total	**15070**	**179.50**	**1**	**0.41**	**16**	**39.70**	**5**	**26.32**	**9**	**45.98**	**8810**	**10.97**			**700**	**22.14**	**325.02**

	CLUSTER - 38																	
1	Merrattoor Tank	1615	19.28	1	0.60	1	1.89	1	3.91							100	2.60	28.28
2	Thiruvellavoyal large & Small Tank	2900	32.38			2	4.08	1	3.07							100	2.60	42.13
3	Kattur Tank	5410	61.48			2	4.08	3	32.98			6000	16.01			100	2.60	117.15
4	Thaththamanji Tank	4135	49.49			4	10.05	1	10.55			6600	5.92			150	3.91	79.92
5	Ebramapuram Tank	1880	21.96			1	1.96	1	3.94							50	1.30	29.16
6	Voyalur Vairavan Thangal	865	9.03													100	1.30	10.33
7	Voyalur Chinna Thamarai	1005	11.87			2	3.31	2	7.96							100	2.60	25.74
8	Voyalur Periathamarai	4120	49.66			3	5.91	1	7.50							150	3.90	66.97
9	Voyalur Mamanikal Tank	3930	44.84			4	9.31	2	14.33			1300	4.70			200	5.22	78.40
10	Neidavoyal Small Tank	1210	14.87			1	2.41	1	3.68			2200	4.50			50	1.30	26.76
	Total	**27070**	**314.86**	**1**	**0.60**	**20**	**43.00**	**13**	**87.92**			**16100**	**31.13**			**1100**	**27.33**	**504.84**
	Package 18 Total	**27070**	**314.86**	**1**	**0.60**	**20**	**43.00**	**13**	**87.92**			**16100**	**31.13**			**1100**	**27.33**	**504.84**
	Grand Total	**436030**	**2907.91**	**155**	**160.59**	**352**	**888.21**	**208**	**1516.79**	**14**	**109.55**	**558894**	**969.01**			**34784**	**794.33**	**7346.39**

Package 1 to 18 cost of Turfing, measuring device, Bedbar, demarcation stone 297.79

7644.1

Sub-Total **7**

Environmental Cell 25.20

Total **7669.37**

22. STATEMENT SHOWING THE DETAILS OF FREE BOARD PROVIDED IN TANKS

Sl.No	Name of the Tank	Maximum Height of Bund in metre	Free Board		Length of Bund in metre
			Provided previously	Provided now	
1	Maruderi tank	4.27	0.92	1.50	747
2	Sumaithangi tank	4.08	0.91	1.50	1813
3	Jaderi	2.29	0.30	1.25	1859
4	Bagaveli tank	5.24	1.22	1.50	1859
5	Valluvampakkam tank	5.84	1.38	1.50	1828
6	Ponnappanthangal tank	4.35	1.22	1.50	2499
7	Vangur Nagaleri tank	4.05	0.77	1.50	853
8	Govindacheri tank	6.19	1.52	1.52	2956
9	Mangalam big tank	6.24	1.37	1.50	1210
10	Mangalam chitteri	3.66	1.03	1.50	1112
11	Kilveeranam tank	4.87	0.92	1.50	1115
12	Kilveeranamthangal tank	2.07	0.91	1.25	1567
13	Suriyakulam tank	4.27	0.87	1.50	571
14	Maliyamedu tank	2.98	0.92	1.25	774
15	Vedanthangal tank	4.35	1.17	1.50	148
16	Pudur tank	5.90	1.20	1.50	172
17	Mahendravadi tank	9.33	2.13	2.13	2133
18	Irulan Odai tank	3.38	0.92	1.50	603
19	Meenakshithangal tank	4.17	0.85	1.50	365
20	Balakrishnapuram tank	4.36	0.92	1.50	548
21	Munipillaithangal tank	4.04	1.43	1.50	332
22	Kattupakkam Paleri	4.01	1.07	1.50	762
23	Meleri	4.76	0.91	1.50	1066
24	Velithangipuram tank	4.90	1.20	1.50	1255
25	Arasankuppam tank	3.72	0.90	1.50	762
26	Nariyanthangal tank	3.94	1.02	1.50	1005
27	Kaveripakkam tank	11.78	2.44	2.44	6705
28	Panniyur tank	5.53	1.22	1.50	604
29	Alapakkam tank	5.44	1.25	1.50	315
30	Sathuvanatham tank	4.19	0.81	1.50	734
31	Pudupattu big tank	3.50	0.98	1.50	646
32	Pudupattuthangal	2.50	1.15	1.25	1630
33	Karnavoor tank	5.86	1.22	1.50	1417
34	Upparanthangal tank	3.42	0.92	1.50	560

35	Gangadaranallur tank	5.75	0.95	1.50	1127
36	Kilveethi chitteri	3.36	1.21	1.50	1100
37	Kilveethi big tank	5.63	1.20	1.50	2250
38	Peraperi tank	3.73	0.86	1.50	3500
39	Thuraiyur tank	6.33	1.37	1.50	1188
40	Uliyanallur tank	6.24	1.22	1.50	1676
41	Konthankarai tank	4.02	0.91	1.50	1158
42	Vepperi chitteri	3.70	0.92	1.50	488
43	Vepperi big tank	3.29	0.93	1.50	1768
44	Nemili tank	3.44	1.22	1.50	1341
45	Thenmampakkam tank	4.72	1.37	1.50	1707
46	Reddivalam tank	3.39	0.91	1.50	2377
47	Thennal tank	3.60	1.23	1.50	1646
48	Vettankulam tank	5.43	0.92	1.50	1524
49	Punnai tank	6.61	2.22	2.22	2286
50	Zageerthandalam tank	3.20	1.22	1.50	2712
51	Velleri tank	4.55	0.91	1.50	1311
52	Kilvembakkam Tank				
53	Melvenpakkam tank	4.78	0.98	1.50	1280
54	Sirukarumbur tank	4.02	0.91	1.50	1585
55	Eralacheri tank	3.47	1.32	1.50	671
56	Peruvlayam tank	4.51	0.93	1.50	2469
57	Kalpalampattu Alanthangal	5.74	1.22	1.50	853
58	Kalpalampattu Putheri	3.19	0.91	1.50	457
59	Sivaramanthangal tank	2.90	0.90	1.25	762
60	Siruvalayam tank	6.24	1.25	1.50	1585
61	Dharmaneethi tank	5.05	0.91	1.50	1006
62	Nangamangalam tank	3.60	0.92	1.50	3200
63	Poigainallur Meleri	4.79	0.92	1.50	1433
64	Poigainallur Periyathangal	2.96	0.92	1.25	975
65	Poigainallur Chinnathangal	2.18	0.91	1.25	126
66	Poigainallur Kilathangal	3.38	0.92	1.50	1280
67	Asanallikuppam tank	3.30	0.90	1.50	2040
68	S.Kolathur tank	5.10	1.38	1.50	1707
69	Nelvoy tank	4.00	0.91	1.50	2560
70	Pallur big tank	4.65	1.10	1.50	2684
71	Pallur Chitteri	3.85	1.37	1.50	2317
72	Pallur Putheri	4.29	1.13	1.50	1525

73	Illupaithandalam tank	4.23	0.92	1.50	2172
74	Synapuram big tank	4.61	0.92	1.50	2303
75	Synapuram small tank	4.48	0.91	1.50	1800
76	Sendamangalam big tank	3.18	1.10	1.50	1525
77	Sendamangalam small tank	2.56	0.92	1.25	756
78	Pinnavaram tank	4.05	1.22	1.50	1677
79	Takkolam big tank	5.50	1.22	1.50	3203
80	Takkolam Kalleri	2.72	0.91	1.25	2412
81	Chittoor big tank	5.64	0.91	1.50	2074
82	Chittoor small tank	3.22	0.92	1.50	976
83	Attupakkam big tank	4.69	1.22	1.50	1617
84	Attupakkam small tank	3.37	0.92	1.50	1171
85	Manavanthangal tank	3.50	1.00	1.50	1650
86	Kadambanallur tank	3.10	0.95	1.50	2074
87	Ganapathipuram tank	5.53	1.32	1.50	2440
88	Murungai tank	5.07	1.22	1.50	2577
89	Parameswaramangalam tank	4.71	1.05	1.50	2379
90	Kattur	2.80	0.90	1.25	5410
91	Thathamanji	2.90	1.00	1.25	4135
92	Govindacherikuppam tank	2.87	0.95	1.25	690
93	Musiri tank	3.27	0.90	1.50	540
94	Kattupakkam big tank	6.03	1.69	1.69	884
95	Banavaram tank	5.01	1.30	1.50	762
96	Panapakkam tank (NK)	4.14	0.98	1.50	1050
97	Kariyakudal tank	2.98	1.10	1.25	1005
98	Syanapuram thangal	2.50	1.00	1.25	3930
99	Arigilpadi tank	3.13	0.91	1.50	1695
100	Thirumadulampakkam tank	3.62	0.86	1.50	1730
101	Mangattucheri tank	2.90	0.90	1.25	4120
102	Periakalakkattur Big Tank	8.82	1.54	1.54	1524
103	Periakalakkattur Chitteri	3.80	1.05	1.50	1524
104	Villanthangal Tank	4.40	0.91	1.50	671
105	Thozudhavur Tank	2.50	0.92	1.25	1920
106	Orathur Tank	3.19	0.92	1.50	1798
107	J.S.Ramapuram Chitteri	3.04	0.91	1.50	640
108	Kalambakkam Big Tank	3.04	0.91	1.50	1325
109	Manavur Hissa Tank	5.88	1.37	1.50	4785

110	Lakshmivilasapuram Tank	4.22	0.91	1.50	2256
111	Ponnangulam Tank	2.80	1.00	1.25	1036
112	Chakkramallur Tank	4.07	0.91	1.50	1342
113	Ganesapuram Tank	4.96	1.36	1.50	853
114	Palayanur Big Tank	5.50	1.37	1.50	2225
115	Pulavanallur Tank	3.11	0.92	1.50	1158
116	Harichandrapuram Tank	4.91	1.22	1.50	1250
117	Jageermangalam Big Tank	3.45	0.92	1.50	1981
118	Jageermangalam Chitteri	2.83	0.92	1.25	1372
119	Gulawadi Tank	3.36	0.90	1.50	915
120	Gulawadi Pattrai Tank	3.85	0.91	1.50	610
121	Thiruvangadu Netteri	3.90	1.00	1.50	945
122	Ramankoil Tank	3.05	0.92	1.50	1400
123	Sennavaram Tank	2.82	0.92	1.25	1433
124	Pannambakkam big Tank	3.54	1.16	1.50	1829
125	Pannambakkam Chitheri	2.98	0.90	1.25	1160
126	Thenkaranai Tank	2.91	0.91	1.25	1097
127	Thenkaranai Jeemaleri	3.15	1.07	1.50	762
128	Kalyanur Big Tank	2.92	0.90	1.25	1402
129	Kalyanur Chitheri	2.67	0.91	1.25	1220
130	Nemili Agaram	2.99	0.37	1.25	950
131	Melvilagam Tank	4.38	0.92	1.50	800
132	Vidaiyur Periya Eri	5.02	1.32	1.50	2280
133	VENMANABUDHUR TANK	3.51	1.37	1.50	594
134	Pattraiperumbudur	4.17	1.33	1.50	2728
135	Manjakuppam Tank	4.62	0.98	1.50	1000
136	Kunnavalam Tank	3.55	0.92	1.50	832
137	THIRUPATHCUR TANK	3.16	1.37	1.50	4115
138	KAIVANDUR TANK	3.81	1.00	1.50	2936
139	Vidaiyur Chitheri				
140	RANGAPURAM TANK	4.11	0.91	1.50	701
141	KRISHNAPURAM TANK	2.98	0.91	1.25	661
142	THIRUPAIR MATHERI TANK	4.54	1.02	1.50	661
143	SENRAPALAYAM TANK	6.13	1.32	1.50	661
144	NAYAPAKKAM BUDHERI	2.98	0.91	1.25	875
145	ARIYATHUR TANK	4.82	0.88	1.50	1080

146	Nayapakkam Tank				
147	PONAPATTU TANK	4.67	1.37	1.50	1188
148	ATTRAPAKAM TANK	3.95	1.22	1.50	1205
149	Kalpakkam small				
150	ERAIYUR TANK	3.02	1.32	1.50	1372
151	ERAIYUR CHITERI	2.94	0.92	1.25	1372
152	Melanur Tank	3.08	1.23	1.50	1707
153	Pinnapakkam Tank	3.46	0.92	1.50	3383
154	CHITHAPAKKAM TANK	3.85	1.35	1.50	3536
155	RAMATHANDALAM TANK	2.87	0.92	1.25	1500
156	PULLARPAKKAM TANK	4.95	0.91	1.50	3749
157	Ekkadu Kalyani Eri	2.75	0.92	1.25	1585
158	Ekkadu Big Tank	3.41	0.91	1.50	2591
159	Ekkadu Pudhu Eri	3.14	0.92	1.50	2194
160	Kakkalur Tank	4.65	1.00	1.50	2682
161	Kalambakkam	3.98	0.91	1.50	1951
162	Kalayanakuppam Kosavaneri	3.04	0.91	1.50	2591
163	Kalayanakuppam Big Tank	3.02	0.91	1.50	1768
164	Thandalam Big Tank	3.31	0.92	1.50	4877
165	Ayalur Mettu thangal	3.30	0.92	1.50	518
166	Ayalur Tank	2.90	0.91	1.25	2134
167	Ayathur thangal	2.85	0.92	1.25	1524
168	Perathur	2.71	1.06	1.25	1140
169	Kilanur	3.54	0.91	1.50	2450
170	Othikadu Tank	3.76	1.32	1.50	2835
171	Sittathur Tank	3.26	1.09	1.50	1920
172	Veeraghavarapuram	3.16	0.91	1.50	2286
173	Sivanvoyal Tank & Casam	3.33	0.92	1.50	3170
174	Puliyur Big Tank	3.67	0.91	1.50	3536
175	Vadhatoor Tank	4.29	1.31	1.50	2591
176	Melakondaiyur Tank	4.27	0.91	1.50	1280
177	Pakkam Chitheri	2.85	0.92	1.25	2103
178	Pakkam Tank	6.40	2.47	2.47	2591
179	Pakkam Thangal	3.17	0.92	1.50	1280
180	Karikalavakkam Tank	4.01	0.91	1.50	3536
181	Velliyur Tank	4.29	0.76	1.50	3231
182	Vilapakkam Tank	2.20	0.91	1.25	1080

183	Vilapakkam Urani thangal	2.14	0.91	1.25	1100
184	Magral Tank	3.12	0.92	1.50	1524
185	Magral Naduthangal	3.19	0.91	1.50	640
186	Magral Vizhuthangal	2.10	0.91	1.25	549
187	Thamaraipakkam Tank	3.62	1.08	1.50	2499
188	Komakkambedu Tank	3.65	0.91	1.50	1341
189	Guruvoyal Tank	2.87	0.92	1.25	1585
190	Karani Tank	3.91	1.37	1.50	2528
191	Koduveli panjathangal	2.67	0.91	1.25	472
192	Koduveli Tank	4.20	1.37	1.50	2757
193	Athivakkam Tank	2.27	0.91	1.25	1285
194	Alinjivakkam Tank	2.09	0.91	1.25	1458
195	Athingikavanoor Tank	3.57	0.92	1.50	1052
196	Kilambakkam Tank	3.61	1.21	1.50	27.78
197	Neiveli Tank	4.45	1.22	1.50	1750
198	Poorivakkam Tank	3.54	0.92	1.50	1929
199	Thirukandalam Tank	4.42	0.86	1.50	3541
200	Koilpathagai Tank	6.62	1.36	1.50	2100
201	Mittanamallee Tank	4.53	0.92	1.50	1372
202	Palavedu Thangal	2.67	0.91	1.25	1500
203	Pandeswaram	3.54	0.91	1.50	2450
204	Arakambakkam	2.71	1.06	1.25	1140
205	Karlapakkam	2.96	0.92	1.25	1830
206	Melpakkam	3.06	0.92	1.50	1475
207	Kadhavoor Tank	2.80	0.94	1.25	1280
208	Vellacheri Tank	3.43	0.92	1.50	1950
209	Alathur	2.82	0.92	1.25	2950
210	Keelkondaiyur	3.05	0.92	1.50	4600
211	Padiyanallur	2.80	0.90	1.25	18.45
212	Marambedu	2.60	0.92	1.25	1104
213	Perungavoor	5.44	1.37	1.50	2650
214	Gnayar Tank	5.02	1.32	1.50	3441
215	Vellivoyal Tank	2.75	0.92	1.25	1677
216	Agram Tank	2.80	1.00	1.25	1800
217	Vazhuthigaimbedu	2.75	0.92	1.25	1650
218	Periyamullaivoyal	3.38	0.91	1.50	1708

219	Nerkundram Tank	2.93	0.92	1.25	1189
220	Sirungavoor	2.98	0.91	1.25	2286
221	Vitchur Tank	2.97	0.92	1.25	4026
222	Thirunilai Tank	2.95	0.91	1.25	1939
223	Sendrambakkam	2.93	0.91	1.25	1100
224	Sembiyam Manali	2.98	0.92	1.25	2555
225	Pammadhukulam Big Tank	4.66	1.38	1.50	920
226	Pammadhukulam thangal	3.18	0.92	1.50	670
227	Vellanoor Big Tank	3.66	1.22	1.50	760
228	Vellanur Chitheri	3.13	0.90	1.50	850
229	Vellanoor Kandigai	3.16	0.90	1.50	750
230	Pothur Tank	5.56	1.37	1.50	790
231	Allikuli Tank	2.84	1.43	1.25	725
232	Devandavakkam Tank	2.80	1.00	1.25	1097
233	Kadervedu Tank	2.91	0.91	1.25	1010
234	Korrakkanthandalam Jaderi	2.81	1.00	1.25	1000
235	Meyyur Large Tank	3.20	1.22	1.50	1190
236	Nelvoy Reddammaneri	3.08	1.36	1.50	2140
237	Nelvoy Koppanthangal	2.90	0.91	1.25	914
238	Nelvoy Perieri and Chiteri	2.72	1.00	1.25	1100
239	Odaippai Big Tank	3.05	1.00	1.50	1000
240	Sembedu Puderi and Chitheri	3.24	1.40	1.50	1100
241	Thimmaboopalapuram	2.82	1.00	1.25	980
242	Thimmaboopalapuram East Tank	3.18	1.20	1.50	1465
243	Vellathukottai Eracheruvu	2.83	1.05	1.25	1646
244	Erumainaickankuppam Tank	3.10	0.90	1.50	1200
245	Vengal Tank	3.60	0.90	1.50	1600
246	Annathanakakkavakkam Tank	2.70	0.90	1.25	1710
247	Nalur large	3.30	0.90	1.50	2040
248	Nalur small	3.10	1.00	1.50	1100
249	Minjur	3.80	1.10	1.50	2440
250	Kalpakkam large	2.50	1.15	1.25	1630
251	Thottakadu small	3.20	0.90	1.50	520
252	Vellambakkam large	3.80	1.20	1.50	800
253	Vellambakam small	3.20	0.90	1.50	780
254	Athipattu thangal	2.70	1.10	1.25	1250
255	Merattur	3.10	0.90	1.50	1615

256	Hebramapuram	3.30	1.00	1.50	1830
257	Thiruvellavoyal Large & small	3.20	1.00	1.50	650
258	Voyalur vairavan thangal	4.20	1.20	1.50	865
259	Voyalur chinna thamarai	2.70	1.10	1.25	1005
260	Voyalur periathamarai	2.90	0.90	1.25	4120
261	Voyalur mamanickal	2.50	1.00	1.25	3930
262	Neidavoyal small	3.20	1.00	1.50	1210

GENERAL ABSTRACT

B. WRO COST TABLE

Sl. No.	Description of work	Quantity		Amount in Lakhs	Remarks
I. TANK COMPONENT					
1	Improvements to Bund	436030	m	2907.90	
2	Turfing	2534429	M^2	151.280	
3	Repairs to sluice	155.00	Nos.	160.590	
4	Reconstruction to sluice	352	No.	888.210	
5	Repairs to Weir	208	Nos.	1516.790	
6	Reconstruction to weir	14	Nos.	109.550	
7	Supply channel	558894	m	969.010	
8	Improvements to field channels	34784	m	794.330	
9	Bed Bar	666	Nos.	45.730	
10	Measuring Devices	506	Nos.	77.810	
11	Demarcation of boundaries	802	Nos.	22.970	
	Sub Total			**7644.17**	
	LS PROVISIONS				
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Tufing on rear slope of tank bund at 3%				
	Total			**7644.17**	
II. NON TANK COMPONENT					
1	Improvements to Anicut				
2	Construction of Head sluices / Scour vents				
3	Improvements to Flood Banks				
4	Improvements to Head sluices				
5	Earthwork for Supply channel				
6	Improvements to Supply channels				
7	Shutter Arrangement				
9	Improvements to Right main canal				
10	Improvements to Left Main canal and Branches				
11	Construction of Retaining Walls in LMC				
12	Construction of Retaining walls in RMC				
13	Reservoir Channels				
	Sub Total				
	Modern facilities like Solar panel, Net connectivity				
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Tufing on rear slope of tank bund at 3%				
	Sub Total				
	Environement cell			25.20	
	Ground Water				
1)	Tank component				
2)	Non-Tank component				
	Total			**7669.37**	

PACKAGE - 1

B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT				
1	Improvements to Bund	245963 m3	151.03	
2	Turfing	196650 m2	2.26	
3	Repairs to sluice	21 Nos.	13.30	
4	Reconstruction to sluice	20 Nos.	48.69	
5	Repairs to Weir	22 Nos.	80.83	
6	Reconstruction to weir			
7	Supply channel	125760 m3	52.16	
8	Improvements to field channels	2100 m	56.57	
9	Bed Bar	18 nos	2.54	
10	Measuring Devices	52 nos	7.80	
	Sub Total		**415.18**	
	LS PROVISIONS			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges at 3%			
	Total		**415.18**	
II. NON TANK COMPONENT				
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges at 3%			
	Environement cell			
	Ground Water			
1)	Tank component		415.18	
2)	Non-Tank component			
	Total		**415.18**	

PACKAGE - 2
B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT				
1	Improvements to Bund	181150 m3	120.71	
2	Turfing	158300 m2	1.82	
3	Repairs to sluice	21 Nos.	13.08	
4	Reconstruction to sluice	14 Nos.	38.08	
5	Repairs to Weir	16 Nos.	54.35	
6	Reconstruction to weir			
7	Supply channel	334404 m3	128.55	
8	Improvements to field channels	1400 m	37.73	
9	Bed Bar	20 nos	2.83	
10	Measuring Devices	42 nos	6.30	
	Sub Total		**403.45**	
	Total		**403.45**	
II. NON TANK COMPONENT				
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges at 3%			
	Sub Total			
	Environement cell Ground Water			
	Total			
1) 2)	Tank component Non-Tank component		403.45	
	Total		**403.45**	

PACKAGE - 3

B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	152900 m3	153.70	
2	Turfing	120000 m2	1.38	
3	Repairs to sluice	14 Nos.	17.30	
4	Reconstruction to sluice			
5	Repairs to Weir	2 Nos.	186.26	
6	Reconstruction to weir			
7	Supply channel	58000 m3	200.97	
8	Improvements to field channels	1500 m	40.10	
9	Bed Bar	1nO	0.35	
10	Measuring Devices	14 Nos.	1.04	
	Sub Total		**601.10**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges at 3%			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		601.10	
2)	Non-Tank component			
	Total		**601.10**	

PACKAGE - 4

B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT				
1	Improvements to Bund	196438 m3	197.64	
2	Turfing	348442 m2	4.00	
3	Repairs to sluice	28 Nos.	31.27	
4	Reconstruction to sluice	19 Nos.	51.68	
5	Repairs to Weir	17 Nos.	175.99	
6	Reconstruction to weir			
7	Supply channel	271380 m3	83.53	
8	Improvements to field channels	1350 m	31.75	
9	Bed Bar	19 Nos.	2.65	
10	Measuring Devices	47 Nos	6.82	
	Sub Total		**585.33**	
	LS PROVISIONS			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges at 3%			
	Total		**585.33**	
II. NON TANK COMPONENT				
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges at 3%			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		585.33	

2)	Non-Tank component			
	Total		**585.33**	

PACKAGE - 5

B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	186319 m3	114.73	
2	Turfing	197015 m2	2.26	
3	Repairs to sluice	18 Nos.	20.03	
4	Reconstruction to sluice	12 Nos.	30.82	
5	Repairs to Weir	14 Nos.	104.44	
6	Reconstruction to weir			
7	Supply channel	174924 m3	44.49	
8	Improvements to field channels	1000 m	23.70	
9	Bed Bar	14 Nos.	1.85	
10	Measuring Devices	29 Nos	4.20	
	Sub Total		**346.52**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges at 3%			
	Sub Total			
	Environement cell Ground Water			
	Total			
1)	Tank component		346.52	

2)	Non-Tank component			
	Total		**346.52**	

PACKAGE - 6

B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	214167 m3	197.81	
2	Turfing	119826 m2	1.38	
3	Repairs to sluice	16 Nos.	21.06	
4	Reconstruction to sluice	13 Nos.	31.62	
5	Repairs to Weir	12 Nos.	182.20	
6	Reconstruction to weir			
7	Supply channel	372700 m3	106.52	
8	Improvements to field channels	850 m	20.30	
9	Bed Bar	12 Nos.	2.00	
10	Measuring Devices	28 Nos	4.06	
	Sub Total		**566.95**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges at 3%			
	Sub Total			
	Environement cell Ground Water			
	Total			
1)	Tank component		566.95	

2)	Non-Tank component			
	Total		**566.95**	

PACKAGE - 7
B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	269451 m3	218.89	
2	Turfing	168156 m2	1.95	
3	Repairs to sluice	17 Nos.	23.23	
4	Reconstruction to sluice	17 Nos.	44.73	
5	Repairs to Weir	15 Nos.	194.27	
6	Reconstruction to weir			
7	Supply channel	270079 m3	80.54	
8	Improvements to field channels	1950 m	47.00	
9	Bed Bar	15 Nos.	2.38	
10	Measuring Devices	24 Nos	3.48	
	Sub Total		**616.47**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges at 3%			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			

1)	Tank component		616.47	
2)	Non-Tank component			
	Total		**616.47**	

PACKAGE - 8
B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	30162 m	151.68	
2	Turfing	141500 M^2	14.30	
3	Repairs to sluice	18 Nos.	20.31	
4	Reconstruction to sluice	19 Nos.	56.00	
5	Repairs to Weir	15 Nos.	22.89	
6	Reconstruction to weir	--	--	
7	Supply channel	29449 m	39.88	
8	Improvements to field channels	3676 m	78.72	
9	Bed Bar	202Nos	3.59	
10	Measuring Devices	37Nos	5.67	
	Sub Total		**393.04**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges i			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			

1)	Tank component		393.04	
2)	Non-Tank component			
	Total		**393.04**	

PACKAGE - 9

B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	27291M	134.04	
2	Turfing the slope of the Tank bund	144392M2	14.96	
3	Repairs to sluice			
4	Reconstruction to sluice	34Nos	83.08	
5	Repairs to Weir	9Nos	38.46	
6	Reconstruction to weir	1No.	8.67	
7	Supply channel	32450M	17.03	
8	Improvements to field channels	3570M	82.58	
9	Providing Bed bar	2Nos	4.14	
10	Measuring Devices	35Nos	5.20	
	Sub Total		**388.16**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		388.16	
2)	Non-Tank component			
	Total		**388.16**	

PACKAGE - 10
B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	23341M	121.33	
2	Turfing the slope of the Tank bund	144392M2	14.96	
3	Repairs to sluice			
4	Reconstruction to sluice	36Nos	85.75	
5	Repairs to Weir	14Nos	66.78	
6	Reconstruction to weir			
7	Supply channel	38700M	22.58	
8	Improvements to field channels	2495M	60.00	
9	Providing Bed bar	16Nos	4.14	
10	Measuring Devices	35Nos	5.20	
	Sub Total		**380.74**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		380.74	
2)	Non-Tank component			
	Total		**380.74**	

PACKAGE - 11
B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	36003M	132.76	
2	Turfing the slope of the Tank bund	144392M2	14.96	
3	Repairs to sluice			
4	Reconstruction to sluice	34Nos	88.52	
5	Repairs to Weir	11No	48.44	
6	Reconstruction to weir	1No	8.67	
7	Supply channel	35000M	42.04	
8	Improvements to field channels	1398M	30.93	
9	Providing Bed bar	16Nos	4.14	
10	Measuring Devices	35Nos	5.20	
	Sub Total		**375.66**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		375.66	
2)	Non-Tank component			
	Total		**375.66**	

PACKAGE - 12

B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	25498m	108.31	
2	Turfing	125000m2	12.13	
3	Repairs to sluice			
4	Reconstruction to sluice	26Nos	67.41	
5	Repairs to Weir	10Nos	61.69	
6	Reconstruction to weir			
7	Supply channel	28000M	17.34	
8	Improvements to field channels	2930M	26.85	
9	Bed Bar	172Nos	3.44	
10	Measuring Devices	22Nos	3.30	
	Sub Total		**300.47**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Tufing on rear slope of tank bund at 3%			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		300.47	
2)	Non-Tank component			
	Total		**300.47**	

PACKAGE - 13
B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	26617M	136.16	
2	Turfing	125000M2	12.13	
3	Repairs to sluice			
4	Reconstruction to sluice	17Nos	35.75	
5	Repairs to Weir	8Nos	49.28	
6	Reconstruction to weir			
7	Supply channel	35500M	23.56	
8	Improvements to field channels	3800M	91.78	
9	Bed Bar	173Nos	3.44	
10	Measuring Devices	22Nos	3.30	
	Sub Total		**355.40**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Tufing on rear slope of tank bund at 3%			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		355.40	
2)	Non-Tank component			
	Total		**355.40**	

PACKAGE - 14

B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	15637 m	105.27	
2	Turfing	90400 m2	9.13	
3	Repairs to sluice			
4	Reconstruction to sluice	19 Nos.	52.15	
5	Repairs to Weir	14 Nos.	28.34	
6	Reconstruction to weir			
7	Supply channel	57535 m	13.63	
8	Improvements to field channels	950M	24.75	
9	Bed Bar	68Nos	1.90	
10	Measuring Devices	19Nos	3.42	
11	Demarcation of boundaries	802Nos	22.97	
	Sub Total		**261.56**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Tufing on rear slope of tank bund at 3%			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		261.56	
2)	Non-Tank component			
	Total		**261.56**	

PACKAGE - 15
B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	21881M	188.92	
2	Turfing	70000M2	7.20	
3	Repairs to sluice			
4	Reconstruction to sluice	18 Nos.	48.99	
5	Repairs to Weir	6 Nos.	66.40	
6	Reconstruction to weir	3 Nos.	46.23	
7	Supply channel	3550 m	17.87	
8	Improvements to field channels	1100M	29.23	
9	Bed Bar	5Nos	0.07	
10	Measuring Devices	18Nos	2.70	
	Sub Total		**407.61**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Tufing on rear slope of tank bund at 3%			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		407.61	
2)	Non-Tank component			
	Total		**407.61**	

PACKAGE - 16
B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	34343 m	180.57	
2	Turfing	150000 M^2	15.15	
3	Repairs to sluice			
4	Reconstruction to sluice	18 Nos.	42.24	
5	Repairs to Weir	5 Nos.	41.93	
6	Reconstruction to weir			
7	Supply channel	25750 Nos.	36.23	
8	Improvements to field channels	2915m	62.87	
9	Bed Bar	137 Nos.	3.24	
10	Measuring Devices	18 Nos.	2.70	
	Sub Total		**384.93**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Tufing on rear slope of tank bund at 3%			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		384.93	
2)	Non-Tank component			
	Total		**384.93**	

PACKAGE - 17

B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	15070 m	179.50	
2	Turfing	83215 M^2	8.40	
3	Repairs to sluice	1 No.	0.41	
4	Reconstruction to sluice	16 Nos.	39.70	
5	Repairs to Weir	5 Nos.	26.32	
6	Reconstruction to weir	9 Nos.	45.98	
7	Supply channel	8810m	10.97	
8	Improvements to field channels	850	22.14	
9	Bed bar	35 Nos.	0.98	
10	Flow measuring devices	15 Nos.	2.57	
	Sub Total		**336.97**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity			
	Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Tufing on rear slope of tank bund at 3%			
	Sub Total			
	Environement cell			
	Ground Water			
	Total			
1)	Tank component		336.97	
2)	Non-Tank component			
	Total		**336.97**	

PACKAGE - 18
B. WRO COST TABLE

Sl. No.	Description of work	Quantity	Amount in Lakhs	Remarks
I. TANK COMPONENT	-			
1	Improvements to Bund	27070 m	314.86	
2	Turfing	127750 M^2	12.90	
3	Repairs to sluice	1 No.	0.60	
4	Reconstruction to sluice	20 Nos.	43.00	
5	Repairs to Weir	13 Nos	87.92	
6	Reconstruction to weir			
7	Supply channel	16100 m	31.13	
8	Improvements to field channels	1050m	27.33	
9	Bed Bar	78 Nos.	2.04	
10	Measuring Devices	29 Nos.	4.85	
	Sub Total		**524.63**	
II. NON TANK COMPONENT	-			
1	Improvements to Anicut			
2	Construction of Head sluices / Scour vents			
3	Improvements to Flood Banks			
4	Improvements to Head sluices			
5	Earthwork for Supply channel			
6	Improvements to Supply channels			
7	Shutter Arrangement			
9	Improvements to Right main canal			
10	Improvements to Left Main canal and Branches			
11	Construction of Retaining Walls in LMC			
12	Construction of Retaining walls in RMC			
13	Reservoir Channels			
	Sub Total			
	Modern facilities like Solar panel, Net connectivity Provision for Labour Welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Tufing on rear slope of tank bund at 3%			
	Sub Total			
	Environement cell Ground Water			
	Total			
1) 2)	Tank component Non-Tank component		524.63	
	Total		**524.63**	

PUBLIC WORKS DEPARTMENT
KOSASTHALAIYAR SUB BASIN
PACKAGE DETAILS

S.No.	Package Details	Description of work	Amount in lakhs
1	2	3	4
1	Package.1	Rehabilitation and Modernisation of tanks, and supply channels of Kosasthalaiyar Sub Basin in Kaveripakkam, Nemili, Walaja and Sholingur Block of Arakkonam and Walaja Taluk in Vellore District.	415.18
2	Package.2	Rehabilitation and Modernisation of tanks, and supply channels of Kosasthalaiyar Sub Basin in Kaveripakkam, Nemili, Walaja and Sholingur Block of Arakkonam and Walaja Taluk in Vellore District.	403.45
3	Package.3	Rehabilitation and Modernisation of tanks, kondams, supply and surplus channels of Kaveripakkam block in Arakkonam Taluk of Vellore District.	601.10
4	Package.4	Rehabilitation and Modernisation of tanks, kondams and supply channels in Kaveripakkam surplus channel of Kosasthalaiyar sub basin in Nemili block of Arakonam Taluk in Vellore District.	585.33
5	Package.5	Rehabilitation and Modernisation of tanks, kondams, and supply channels in Kaveripakkam surplus cannel of Nemili and Kaveripakkam block of Arakkonam Taluk of Vellore District.	346.52
6	Package.6	Rehabilitation and Modernisation of tanks kondams and supply channels in Kaveripakkam surplus channel of Kosasthalaiyar sub basin in Nemili block of Arakkonam, Taluk in Vellore District.	566.95
7	Package.7	Rehabilitation and Modernisation of tanks kondams and supply channels Kaveripakkam surplus channels of Kosasthalaiyar sub basin in Nemili bvlock of Arakkonam Taluk in Vellore District.	616.47
8	Package.8	Rehabilitation non system tanks of Thiruvalangadu Block in Thiruvallur District.	393.04
9	Package.9	Rehabilitation of non systems tanks in Poondi and Thiruvallur Block in Thiruvallur District.	388.16

10	Package.10	Rehabilitation of non systems tanks in Thiruvallur Block in Thiruvallur District.	380.74
11	Package.11	Rehabilitation of non systems tanks in Poondi and Ellapuram Block in Thiruvallur District.	375.66
12	Package.12	Rehabilitation of non systems tanks in Thiruvallur Block and Uthukottai Block in Thiruvallur District.	300.47
13	Package.13	Rehabilitation of non systems tanks in Thiruvallur Block in Thiruvallur District.	355.40
14	Package.14	Rehabilitation and modernisation of tanks in Poondi and Ellapuram Block of Uthukottai Taluk in Thiruvallur District.	261.56
15	Package.15	Rehabilitation of non system tank in Villivakkam block in Thiruvallur District.	407.61
16	Package.16	Rehabilitation of non systems tank in Villivakkam, Ponneri Cholavaram and Minjur block in Thiruvallur District.	384.93
17	Package.17	Rehabilitation and modernisation of tanks in Ellapuram and Minjur Block in Thiruvallur District.	336.97
18	Package.18	Rehabilitation and modernisation of tanks in Minjur Block of Ponneri Taluk in Thiruvallur District.	524.63
		Environental Cell	25.20
		Total	**7669.37**

KOSASTHALAIYAR SUB BASIN - PACKAGE NO.: 1 TO 18
FORM - II
REQUIREMENT OF EQUIPMENTS AND MACHINERIES

Sl. No.	Name of the Package	No.of Tanks	Est. Amount	Hydraulic Excavator	Power Roller	Vibrated Compactor	Tipper / Lorry	Water Lorry (10000 Lits)	Concrete Mixer Machine (14/10 cft)	Concrete Vibrator
1	2	3	4	5	6	7	8	9	10	11
1	1/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	18	431.79	5 Nos. (3 Nos. - 0.45 M^3)+ 2 Nos. - 0.15 M^3)	3 Nos. (3 Nos. - 8-10TPR + 3 Nos. - 0.90m width PR)	1 Nos.	13 Nos.	5 Nos.	3 Nos.	3 Nos.
2	2/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	18	419.59	5 Nos. (3 Nos. - 0.45 M^3)+ 2 Nos. - 0.15 M^3)	3 Nos. (3 Nos. - 8-10TPR + 3 Nos. - 0.90m width PR)	1 Nos.	13 Nos.	5 Nos.	3 Nos.	3 Nos.
3	3/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	1	601.10	8 Nos. (5 Nos. - 0.90 M^3)+ 3 Nos. - 0.30 M^3)	4 Nos. (2 Nos. - 8-10TPR + 2 Nos. - 0.90width PR)	2 Nos.	20 Nos.	8 Nos.	6 Nos.	6 Nos.

4	4/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	19	585.33	7 Nos. (4 Nos. - 0.90 M^3)+ 3 Nos. - 0.30 M^3)	4 Nos. (2 Nos. - 8-10TPR + 2 Nos. - 0.90width PR)	2 Nos.	20 Nos.	7 Nos.	5 Nos.	5 Nos.
5	5/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	14	346.52	5 Nos. (3 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	4 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	18 Nos.	5 Nos.	3 Nos.	3 Nos.
6	6/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	12	566.95	7 Nos. (4 Nos. - 0.90 M^3)+ 3 Nos. - 0.30 M^3)	4 Nos. (2 Nos. - 8-10TPR + 2 Nos. - 0.90width PR)	2 Nos.	20 Nos.	7 Nos.	3 Nos.	3 Nos.
7	7/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	15	616.47	8 Nos. (5 Nos. - 0.90 M^3)+ 3 Nos. - 0.30 M^3)	4 Nos. (2 Nos. - 8-10TPR + 2 Nos. - 0.90width PR)	2 Nos.	20 Nos.	8 Nos.	5 Nos.	5 Nos.
8	8/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	20	393.04	5 Nos. (3 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	3 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	15 Nos.	5 Nos.	3 Nos.	3 Nos.
9	9/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	18	388.16	4 Nos. (2 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	3 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	10 Nos.	4 Nos.	2 Nos.	2 Nos.
10	10/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	16	380.74	4 Nos. (2 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	3 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	10 Nos.	4 Nos.	2 Nos.	2 Nos.

11	11/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	16	375.66	4 Nos. (2 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	3 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	10 Nos.	4 Nos.	2 Nos.	2 Nos.
12	12/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	11	300.47	4 Nos. (2 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	2 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	10 Nos.	4 Nos.	3 Nos.	2 Nos.
13	13/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	16	355.4	4 Nos. (2 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	2 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	10 Nos.	4 Nos.	3 Nos.	2 Nos.
14	14/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	13	261.56	4 Nos. (2 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	3 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	15 Nos.	4 Nos.	3 Nos.	3 Nos.
15	15/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	11	402.52	5 Nos. (3 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	3 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	15 Nos.	5 Nos.	3 Nos.	3 Nos.
16	16/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	20	384.93	5 Nos. (3 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	3 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	15 Nos.	5 Nos.	3 Nos.	3 Nos.
17	17/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	11	336.97	5 Nos. (3 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	3 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	1 No.	15 Nos.	5 Nos.	3 Nos.	3 Nos.

18	18/IAMWARM/WRO/ KBS/WORKS/II (2009-10)	10	524.63	6 Nos. (4 Nos. - 0.90 M^3)+ 2 Nos. - 0.30 M^3)	3 Nos. (2 Nos. - 8-10TPR + 1 No. - 0.90width PR)	2 Nos.	20 Nos.	6 Nos.	3 Nos.	3 Nos.

Hydraulic Excavtor

For Bund - 0.90 m3
For Channel - 0.30 m3

Power Roller
Standard 8 - 10 Power Roller
0.90m width power roller

GENERAL ABSTRACT

C. (PHYSICAL AND FINANCIAL PROGRAMME)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	174412 M^3	1163.16	130809 M^3	872.37	130809 M^3	872.37	436030 m3	2907.90
2)	Repairs to sluice	62 Nos	64.24	47 Nos.	48.70	46 Nos.	47.65	155 Nos.	160.59
3)	Reconstruction of sluice	140 Nos.	355.28	106 Nos.	266.46	106 Nos.	266.46	352 Nos.	888.21
4)	Repairs to Weir	84 Nos.	606.72	62 Nos.	455.04	62 Nos.	455.04	208 Nos.	1516.79
5)	Reconstruction of Weir	6 Nos	43.82	4 Nos.	32.87	4 Nos.	32.87	14 Nos.	109.55
6)	Impro. to Supply channel	223558 m	387.60	167668 m	290.70	167668 m	290.70	558894 m	969.01
7)	Impro. to Field Channel	13914 m	317.73	10435 m	238.30	10435 m	238.30	34784 m	794.33
8)	Flow measuring devices	202 Nos.	31.12	152 Nos.	23.34	152 Nos.	23.34	506 Nos.	77.81
9)	Turfing	1013772 M^2	60.51	760329 M^2	45.38	760329 M^2	45.38	2534429 M^2	151.28

10)	Bed bar	266	Nos.	18.29	200	Nos.	13.72	200	Nos.	13.72	666	Nos.	45.73
11)	Demarcation of boundries	320	Nos.	9.19	241	Nos.	6.89	241	Nos.	6.89	802	Nos.	22.97
	SubTotal			**3057.67**			**2293.77**			**2292.72**			**7644.17**
II. Non Tank Component													
	NIL												
	SubTotal												
	LS PROVISIONS												
	Modern facilities like Solar panel, Net connectivity												
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%												
	SubTotal												
	Environment cell												
	Ground water												
	Total												
1). Tank component		7644.17											
2). Non-Tank component		--											
=	**Total**	**7644.17**		**Lakhs**									

Package - 1

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	98385 m	60.41	73789 m	45.31	73788.90 m	45.31	245963 m	151.03
2)	Repairs to sluice	8 Nos.	5.07	7 Nos.	4.43	6 Nos.	3.80	21 Nos.	13.30
3)	Reconstruction of sluice	8 Nos.	19.48	6 Nos.	14.61	6 Nos.	14.61	20 Nos.	48.69
4)	Repairs to Weir	9 Nos.	33.07	7 Nos.	25.72	6 Nos.	22.04	22 Nos.	80.83
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	50304 m	20.86	37728 m	15.65	37728 m	15.65	125760 m	52.16
7)	Impro. to Field Channel	840 M	22.63	630 M	16.97	630 M	16.97	2100 M	56.57
8)	Flow measuring devices	21 Nos.	3.12	16 Nos.	2.34	15 Nos.	2.34	52 Nos.	7.80
9)	Turfing	78660 M2	0.90	58995 M2	0.68	58995 M2	0.68	196650 M2	2.26
10)	Bed bar	7 Nos.	1.02	6 Nos.	0.76	5 Nos.	0.76	18 Nos.	2.54
	SubTotal		**166.56**		**126.47**		**122.16**		**415.18**
II. Non Tank Component									
	NIL								
	SubTotal								
	LS PROVISIONS								
	Modern facilities like Solar panel, Net connectivity								

	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								
1). Tank component		**415.18**							
2). Non-Tank component		--							
=	**Total**	**415.18**	**Lakhs**						

Package - 2

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	72460 m	48.28	54345 m	36.21	54345.00 m	36.21	181150 M3	120.71
2)	Repairs to sluice	8 Nos.	4.98	7 Nos.	4.36	6 Nos.	3.74	21 Nos.	13.08
3)	Reconstruction of sluice	6 Nos.	15.23	4 Nos.	11.42	4 Nos.	11.42	14 Nos.	38.08
4)	Repairs to Weir	6 Nos.	21.74	5 Nos.	16.31	5 Nos.	16.31	16 Nos.	54.35
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	133762 m	51.42	100321 m	38.57	100321 m	38.57	334404 m	128.55
7)	Impro. to Field Channel	560 M	15.09	420 M	11.32	420.00 M	11.32	1400 m	37.73
8)	Flow measuring devices	17 Nos.	2.55	13 Nos.	1.95	12 Nos.	1.80	42 Nos.	6.30
9)	Turfing	63320 M2	0.73	47490 M2	0.55	47490 M2	0.55	158300 m 2	1.82
10)	Bed bar	8 Nos.	1.13	6 Nos.	0.85	6 Nos.	0.85	20 Nos.	2.83
	SubTotal		**161.16**		**121.53**		**120.76**		**403.45**
II. Non Tank Component									
	NIL								
	SubTotal								

	LS PROVISIONS								
	Modern facilities like Solar panel, Net connectivity								
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								
1). Tank component		**403.45**							
2). Non-Tank component		--							
=	**Total**	**403.45**	**Lakhs**						

Package - 3

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	61160 M3	61.48	45870 M3	46.11	45870 M3	46.11	152900 M3	153.70
2)	Repairs to sluice	6 Nos.	7.42	4 Nos.	4.94	4 Nos.	4.94	14 Nos.	17.30
3)	Reconstruction of sluice								
4)	Repairs to Weir	1 Nos.	93.13	1 Nos.	93.13			2 Nos.	186.26
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	23200 m3	80.39	17400 m3	70.34	17400.00 m3	50.24	58000 M3	200.97
7)	Impro. to Field Channel	600 M	16.04	450 M	14.04	450.00 m	10.03	1500 m	40.10
8)	Flow measuring devices	6 Nos.	0.44	4 Nos.	0.30	4.00 Nos.	0.30	14 Nos.	1.04
9)	Turfing	48000 M2	0.55	36000 M2	0.48	36000.00 M2	0.35	120000 M2	1.38
10)	Bed bar					1.00 No	0.35	1 No.	0.35
	SubTotal		**259.45**		**229.34**		**112.31**		**601.10**
II. Non Tank Component									
	NIL								
	SubTotal								
	LS PROVISIONS								

	Modern facilities like Solar panel, Net connectivity								
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								
1). Tank component		**601.10**							
2). Non-Tank component		--							
Total =		**601.10**	**Lakhs**						

Package - 4

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	78575 m3	79.06	58931 m3	59.29	58931.40 m3	59.29	196438 m3	197.64
2)	Repairs to sluice	11 Nos.	12.29	9 Nos.	10.05	8 Nos.	8.93	28 Nos.	31.27
3)	Reconstruction of sluice	8 Nos.	21.76	6 Nos.	16.32	5 Nos.	13.60	19 Nos.	51.68
4)	Repairs to Weir	7 Nos.	70.40	5 Nos.	52.80	5 Nos.	52.80	17 Nos.	175.99
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	108552 m3	33.41	81414 m3	25.06	81414.00 m3	25.06	271380 m3	83.53
7)	Impro. to Field Channel	540 m	12.70	405 m	9.53	405.00 m	9.53	1350 m	31.75
8)	Flow measuring devices	19 Nos.	2.73	14 Nos.	2.05	14 Nos.	2.05	47 Nos.	6.82
9)	Turfing	139377 M2	1.60	104533 M2	1.20	104533 M2	1.20	348442 M2	4.00
10)	Bed bar	8 Nos.	1.11	6 Nos.	0.84	5 Nos.	0.70	19 Nos.	2.65
	SubTotal		**235.05**		**177.13**		**173.15**		**585.33**
II. Non Tank Component									
	NIL								

	SubTotal									
	LS PROVISIONS									
	Modern facilities like Solar panel, Net connectivity									
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%									
	SubTotal									
	Environment cell									
	Ground water									
	Total									
1). Tank component		**585.33**								
2). Non-Tank component		--								
Total =		**585.33**	**Lakhs**							

Package - 5

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	74528 m3	45.89	55896 m3	34.42	55895.70 m3	34.42	186319 m3	114.73
2)	Repairs to sluice	7 Nos.	7.79	6 Nos.	6.68	5 Nos.	5.56	18 Nos.	20.03
3)	Reconstruction of sluice	5 Nos.	11.60	4 Nos.	9.97	3 Nos.	9.25	12 Nos.	30.82
4)	Repairs to Weir	6 Nos.	41.78	4 Nos.	31.33	4 Nos.	31.33	14 Nos.	104.44
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	69970 m3	17.80	52477 m3	13.35	52477 m3	13.35	174924 m3	44.49
7)	Impro. to Field Channel	400 m	9.48	300 m	7.11	300 m	7.11	1000 m	23.70
8)	Flow measuring devices	12 Nos.	1.70	9 Nos.	1.30	8 Nos.	1.20	29 Nos.	4.20
9)	Turfing	78806 M2	0.90	59105 M2	0.68	59105 M2	0.68	197015 M2	2.26
10)	Bed bar	6 Nos.	0.74	4 Nos.	0.56	4 Nos.	0.56	14 Nos.	1.85
	SubTotal		**137.68**		**105.39**		**103.45**		**346.52**

II. Non Tank Component										
	NIL									
	SubTotal									
	LS PROVISIONS									
	Modern facilities like Solar panel, Net connectivity									
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%									
	SubTotal									
	Environment cell									
	Ground water									
	Total									
1). Tank component		**346.52**								
2). Non-Tank component		--								
Total =		**346.52**	**Lakhs**							

Package - 6

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	85667 m3	79.12	64250 m3	59.34	64250.10 m3	59.34	214167 m3	197.81
2)	Repairs to sluice	6 Nos.	8.42	5 Nos.	6.32	5 Nos.	6.32	16 Nos.	21.06
3)	Reconstruction of sluice	5 Nos.	12.65	4 Nos.	9.49	4 Nos.	9.49	13 Nos.	31.62
4)	Repairs to Weir	5 Nos.	75.92	4 Nos.	60.73	3 Nos.	45.55	12 Nos.	182.20
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	149080 m3	42.61	111810 m3	31.96	111810 m3	31.96	372700 m3	106.52
7)	Impro. to Field Channel	340 m	8.12	255 m	6.09	255 m	6.09	850 m	20.30
8)	Flow measuring devices	11 Nos.	1.60	9 Nos.	1.30	8 Nos.	1.16	28 Nos.	4.06
9)	Turfing	47930 M2	0.55	35948 M2	0.41	35948 M2	0.41	119826 M2	1.38
10)	Bed bar	5 Nos.	0.83	4 Nos.	0.67	3 Nos.	0.50	12 Nos.	2.00
	SubTotal		**229.83**		**176.31**		**160.82**		**566.95**
II. Non Tank Component									

	NIL								
	SubTotal								
	LS PROVISIONS								
	Modern facilities like Solar panel, Net connectivity								
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								
1). Tank component		**566.95**							
2). Non-Tank component		--							
=	**Total**	**566.95**	**Lakhs**						

Package - 7

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity		Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	107780 m3	87.56	80835 m3	65.67	80835 m3	65.67	269451 m3	218.89
2)	Repairs to sluice	7 Nos.	9.29	5 Nos.	6.97	5 Nos	6.97	17 Nos.	23.23
3)	Reconstruction of sluice	7 Nos.	17.89	5 Nos.	13.42	5 Nos	13.42	17 Nos.	44.73
4)	Repairs to Weir	6 Nos.	77.71	5 Nos.	64.75	4 Nos	51.81	15 Nos.	194.27
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	108032 m3	32.22	81024 m3	24.16	81024 m3	24.16	270079 m3	80.54
7)	Impro. to Field Channel	780 M	18.80	585 M	14.10	585 M	14.10	1950 M	47.00
8)	Flow measuring devices	10 Nos.	1.39	7 Nos.	1.04	7 Nos	1.04	24 Nos.	3.48
9)	Turfing	67262 M2	0.78	50447 M2	0.59	50447 M2	0.59	168156 M2	1.95
10)	Bed bar	6 Nos.	0.95	5 Nos.	0.79	4 Nos	0.64	15 Nos.	2.38
	SubTotal		**246.59**		**191.49**		**178.40**		**616.47**
II. Non Tank Component									

	NIL								
	SubTotal								
	LS PROVISIONS								
	Modern facilities like Solar panel, Net connectivity								
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								
1). Tank component		**616.47**							
2). Non-Tank component		--							
Total =		**616.47**	**Lakhs**						

Package - 8

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	12065 m3	60.67	9049 m3	45.50	9049 m3	45.50	30162 m3	151.68
2)	Repairs to sluice	7 Nos.	7.90	6 Nos.	6.77	5 Nos.	5.64	18 Nos.	20.31
3)	Reconstruction of sluice	8 Nos.	23.58	6 Nos.	17.68	5 Nos.	14.74	19 Nos.	56.00
4)	Repairs to Weir	6 Nos.	9.16	5 Nos.	7.63	4 Nos.	6.10	15 Nos.	22.89
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	11780 m	15.95	8835 m	11.96	8835 m	11.96	29449 m	39.88
7)	Impro. to Field Channel	1470 m	31.49	1103 m	23.62	1103 m	23.62	3676 m	78.72
8)	Flow measuring devices	15 Nos.	2.27	11 Nos.	1.70	11 Nos.	1.70	37 Nos.	5.67
9)	Turfing	56600 M^2	5.72	42450 M^2	4.29	42450 M^2	4.29	141500 M^2	14.30
10)	Bed bar	81 Nos.	1.44	61 Nos.	1.08	60 Nos.	1.07	202 Nos.	3.59
	SubTotal		**158.17**		**120.24**		**114.63**		**393.04**
II. Non Tank Component									

	NIL								
	SubTotal								
	LS PROVISIONS								
	Modern facilities like Solar panel, Net connectivity								
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								
1). Tank component		**393.04**							
2). Non-Tank component		--							
Total =		**393.04**	**Lakhs**						

Package - 9

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	10916 M^2	53.62	8187 M^2	40.21	8187 M^2	40.21	27291 m	134.04
2)	Repairs to sluice								
3)	Reconstruction of sluice	14 Nos.	33.23	10 Nos.	24.92	10 Nos.	24.92	34 Nos.	83.08
4)	Repairs to Weir	4 Nos.	17.09	3 Nos.	12.82	2 Nos.	8.55	9 Nos.	38.46
5)	Reconstruction of Weir	1 Nos.	8.67					1 No	8.67
6)	Impro. to Supply channel	12980 m	6.81	9735 m	5.11	9735 m	5.11	32450 m	17.03
7)	Impro. to Field Channel	1428 m	33.03	1071 m	24.77	1071 m	24.77	3570 m	82.58
8)	Flow measuring devices	14 Nos.	2.08	11 Nos.	1.63	10 Nos.	1.49	35 Nos.	5.20
9)	Turfing	57757 M^2	5.98	43318 M^2	4.49	43318 M^2	4.49	144392 M^2	14.96
10)	Bed bar	6 Nos.	1.66	5 Nos.	1.24	5 Nos.	1.24	16 Nos.	4.14
	SubTotal		**162.17**		**115.20**		**110.79**		**388.16**

II. Non Tank Component										
	NIL									
	SubTotal									
	LS PROVISIONS									
	Modern facilities like Solar panel, Net connectivity									
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%									
	SubTotal									
	Environment cell									
	Ground water									
	Total									
1). Tank component		388.16								
2). Non-Tank component		--								
Total =		388.16	**Lakhs**							

Package - 10

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)			Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity			Quantity	Amount in Lakhs
	Tank Component									
1)	Improvements to Bund	9336 M3	48.53	7002 M3	36.40	7002.30	M3	36.40	23341 M3	121.33
2)	Repairs to sluice									
3)	Reconstruction of sluice	14 Nos.	34.29	11 Nos.	25.73	11	Nos.	25.73	36 Nos.	85.75
4)	Repairs to Weir	6 Nos.	26.72	4 Nos.	20.03	4	Nos.	20.03	14 Nos.	66.78
5)	Reconstruction of Weir									
6)	Impro. to Supply channel	15480 m	9.03	11610 m	6.77	11610.00	m	6.77	38700 m	22.58
7)	Impro. to Field Channel	998 m	24.00	749 m	18.00	748.50	m	18.00	2495 m	60.00
8)	Flow measuring devices	14 Nos.	2.08	11 Nos.	1.57	10.00	Nos.	1.55	35 Nos.	5.20
9)	Turfing	57757 M^2	5.98	43318 M^2	4.49	43317.60	M^2	4.49	144392 M^2	14.96
10)	Bed bar	6 Nos.	1.66	5 Nos.	1.24	5	Nos.	1.24	16 Nos.	4.14
	SubTotal		**152.29**		**114.23**			**114.21**		**380.74**
II. Non Tank Component										
	NIL									

	SubTotal									
	LS PROVISIONS									
	Modern facilities like Solar panel, Net connectivity									
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%									
	SubTotal									
	Environment cell									
	Ground water									
	Total									
1). Tank component		**380.74**								
2). Non-Tank component		--								
=	**Total**	**380.74**	**Lakhs**							

Package - 11

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6months)			Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity			Quantity	Amount in Lakhs
	Tank Component									
1)	Improvements to Bund	14401 M^3	53.10	10801 M^3	39.83	10800.90	M^3	39.83	36003 m3	132.76
2)	Repairs to sluice									
3)	Reconstruction of sluice	14 Nos.	35.40	10 Nos.	26.56	10	Nos.	26.56	34 Nos.	88.52
4)	Repairs to Weir	4 Nos.	17.61	4 Nos.	17.61	3	Nos.	13.22	11 Nos.	48.44
5)	Reconstruction of Weir	1 No	8.67						1 No	8.67
6)	Impro. to Supply channel	14000 m	16.82	10500 m	12.61	10500.00	m	12.61	35000 m	42.04
7)	Impro. to Field Channel	559 m	12.37	419 m	9.28	419.40	m	9.28	1398 m	30.93
8)	Flow measuring devices	14 Nos.	2.08	11 Nos.	1.63	10	Nos.	1.49	35 Nos.	5.20
9)	Turfing	57757 M^2	5.98	43318 M^2	4.49	43317.60	M^2	4.49	144392 M^2	14.96
10)	Bed bar	6 Nos.	1.66	5 Nos.	1.24	5.00	Nos.	1.24	16 Nos.	4.14
	SubTotal		**153.70**		**113.25**			**108.72**		**375.66**
II. Non Tank Component										
	NIL									

	SubTotal									
	LS PROVISIONS									
	Modern facilities like Solar panel, Net connectivity									
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%									
	SubTotal									
	Environment cell									
	Ground water									
	Total									
1). Tank component		**375.66**								
2). Non-Tank component		**--**								
=	**Total**	**375.66**	**Lakhs**							

Package - 12

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity		Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	10199 M^3	43.32	7649 M^3	32.49	7649.40 M^3	32.49	25498 m3	108.31
2)	Repairs to sluice								
3)	Reconstruction of sluice	10 Nos.	26.96	8 Nos.	20.22	8 Nos.	20.22	26 Nos.	67.41
4)	Repairs to Weir	4 Nos.	24.68	3 Nos.	18.51	3 Nos.	18.51	10 Nos.	61.69
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	11200 m	6.94	8400 m	5.20	8400.00 m	5.20	28000 m	17.34
7)	Impro. to Field Channel	1172 m	10.74	879 m	8.06	879.00 m	8.06	2930 m	26.85
8)	Flow measuring devices	9 Nos.	1.35	7 Nos.	1.05	6 Nos.	0.90	22 Nos.	3.30
9)	Turfing	50000 M^2	4.85	37500 M^2	3.64	37500.00 M^2	3.64	125000 M^2	12.13
10)	Bed bar	69 Nos.	1.38	52 Nos.	1.04	51 Nos.	1.02	172 Nos.	3.44
	SubTotal		**120.22**		**90.21**		**90.04**		**300.47**
II. Non Tank Component									

	NIL								
	SubTotal								
	LS PROVISIONS								
	Modern facilities like Solar panel, Net connectivity								
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								
1). Tank component		300.47							
2). Non-Tank component		--							
Total =		300.47	**Lakhs**						

Package - 13

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)			Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity			Quantity	Amount in Lakhs
	Tank Component									
1)	Improvements to Bund	10647 M^3	54.46	7985 M^3	40.85	7985.10	M^3	40.85	26617 m3	136.16
2)	Repairs to sluice									
3)	Reconstruction of sluice	7 Nos.	14.29	5 Nos.	10.73	5	Nos.	10.73	17 Nos.	35.75
4)	Repairs to Weir	3 Nos.	18.48	3 Nos.	18.48	2	Nos.	12.32	8 Nos.	49.28
5)	Reconstruction of Weir									
6)	Impro. to Supply channel	14200 m	9.42	10650 m	7.07	10650.00	m	7.07	35500 m	23.56
7)	Impro. to Field Channel	1520 m	36.71	1140 m	27.53	1140.00	m	27.53	3800 m	91.78
8)	Flow measuring devices	9 Nos.	1.35	7 Nos.	1.05	6.00	Nos.	0.90	22 Nos.	3.30
9)	Turfing	50000 M^2	4.85	37500 M^2	3.64	37500.00	M^2	3.64	125000 M^2	12.13
10)	Bed bar	69 Nos.	1.38	52 Nos.	1.03	52.00	Nos.	1.03	173 Nos.	3.44
	SubTotal		**140.95**		**110.38**			**104.07**		**355.40**

II. Non Tank Component										
	NIL									
	SubTotal									
	LS PROVISIONS									
	Modern facilities like Solar panel, Net connectivity									
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%									
	SubTotal									
	Environment cell									
	Ground water									
	Total									
1). Tank component		355.40								
2). Non-Tank component		--								
Total =		355.40	**Lakhs**							

Package - 14

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity		Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	6255 M^3	42.11	4691 M^3	31.58	46911 M^3	31.58	15637 m3	105.27
2)	Repairs to sluice								
3)	Reconstruction of sluice	8 Nos.	21.96	6 Nos.	16.47	5 Nos.	13.72	19 Nos.	52.15
4)	Repairs to Weir	6 Nos.	11.34	4 Nos.	8.50	4 Nos.	8.50	14 Nos.	28.34
5)	Reconstruction of Weir								
6)	Impro. to Supply channel	23014 m	5.45	17261 m	4.09	17261 m	4.09	57535 m	13.63
7)	Impro. to Field Channel	380 m	9.90	285 m	7.43	285 m	7.43	950 m	24.75
8)	Flow measuring devices	8 Nos.	1.44	6 Nos.	1.08	5 Nos.	0.90	19 Nos.	3.42
9)	Turfing	36160 M^2	3.65	27120 M^2	2.74	271200 M^2	2.74	90400 M^2	9.13
10)	Bed bar	28 Nos.	0.76	20 Nos.	0.57	20 Nos.	0.57	68 Nos.	1.90
11)	Demarcation of boundries	320 Nos.	9.19	241 Nos.	6.89	241 Nos.	6.89	802 Nos.	22.97
	SubTotal		**105.80**		**79.35**		**76.42**		**261.56**
II. Non Tank Component									

	NIL								
	SubTotal								
	LS PROVISIONS								
	Modern facilities like Solar panel, Net connectivity								
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								
1). Tank component		261.56							
2). Non-Tank component		--							
Total =		**261.56**	**Lakhs**						

Package - 15

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)			Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity			Quantity	Amount in Lakhs
	Tank Component									
1)	Improvements to Bund	8752 M^2	75.57	6564 M^2	56.68	6564.30	M^2	56.68	21881 m	188.92
2)	Repairs to sluice									
3)	Reconstruction of sluice	7 Nos.	19.05	6 Nos.	16.33	5	Nos.	13.61	18 Nos.	48.99
4)	Repairs to Weir	2 Nos.	26.56	2 Nos.	19.92	2	Nos.	19.92	6 Nos.	66.40
5)	Reconstruction of Weir	1 Nos.	18.49	1 Nos.	13.87	1	Nos.	13.87	3 Nos.	46.23
6)	Impro. to Supply channel	1420 m	7.15	1065 m	5.36	1065.00	m	5.36	3550 m	17.87
7)	Impro. to Field Channel	440 m	11.69	330 m	8.77	330.00	m	8.77	1100 m	29.23
8)	Flow measuring devices	7 Nos.	1.05	6 Nos.	0.90	5	Nos.	0.75	18 Nos.	2.70
9)	Turfing	28000 M^2	2.88	21000 M^2	2.16	21000.00	M^2	2.16	70000 M^2	7.20
10)	Bed bar	2 Nos.	0.03	2 Nos.	0.02	1.00	Nos.	0.02	5 Nos.	0.07

	SubTotal		**162.47**		**124.01**			**121.14**		**407.61**
II. Non Tank Component										
	NIL									
	SubTotal									
	LS PROVISIONS									
	Modern facilities like Solar panel, Net connectivity									
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%									
	SubTotal									
	Environment cell									
	Ground water									
	Total									
1). Tank component		407.61								
2). Non-Tank component		--								
Total =		**407.61**	**Lakhs**							

Package - 16

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6months)		Mile stone-III (6 months)			Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity			Quantity	Amount in Lakhs
	Tank Component									
1)	Improvements to Bund	13737 M^3	72.23	10303 M^3	54.17	10302.90	M^3	54.17	34343 m3	180.57
2)	Repairs to sluice									
3)	Reconstruction of sluice	7 Nos.	16.43	6 Nos.	14.08	5	Nos.	11.73	18 Nos.	42.24
4)	Repairs to Weir	2 Nos.	16.77	2 Nos.	16.77	1	Nos.	8.39	5 Nos.	41.93
5)	Reconstruction of Weir									
6)	Impro. to Supply channel	10300 m	14.49	7725 m	10.87	7725	m	10.87	25750 m	36.23
7)	Impro. to Field Channel	1166 m	25.15	875 m	18.86	874.50	m	18.86	2915 m	62.87
8)	Flow measuring devices	7 Nos.	1.05	6 Nos.	0.90	5	Nos.	0.75	18 Nos.	2.70
9)	Turfing	60000 M^2	6.06	45000 M^2	4.55	45000	M^2	4.55	150000 M^2	15.15
10)	Bed bar	55 Nos.	1.30	41 Nos.	0.97	41	Nos.	0.97	137 Nos.	3.24

	SubTotal	Nos.		Nos.			Nos.			
II. Non Tank Component			**153.48**		**121.17**			**110.29**		**384.93**
	NIL									
	SubTotal									
	LS PROVISIONS									
	Modern facilities like Solar panel, Net connectivity									
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%									
	SubTotal									
	Environment cell									
	Ground water									
	Total									
1). Tank component		384.93								
2). Non-Tank component		--								
Total =		384.93	**Lakhs**							

Package - 17

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity		Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	6028 M^3	71.80	4521 M^3	53.85	4521.00 M^3	53.85	15070 m3	179.50
2)	Repairs to sluice	1 No	0.41					1 No	0.41
3)	Reconstruction of sluice	6 Nos.	15.88	5 Nos.	11.91	5 Nos.	11.91	16 Nos.	39.70
4)	Repairs to Weir	2 Nos.	10.53	2 Nos.	10.53	1 No	5.26	5 Nos.	26.32
5)	Reconstruction of Weir	4 Nos.	20.44	3 Nos.	15.33	2 Nos.	10.21	9 Nos.	45.98
6)	Impro. to Supply channel	3524 m	4.39	2643 m	3.29	2643.00 m	3.29	8810 m	10.97
7)	Impro. to Field Channel	340 m	8.86	255 m	6.64	255.00 m	6.64	850 m	22.14
8)	Flow measuring devices	6 Nos.	1.03	5 Nos.	0.86	4.00 Nos.	0.68	15 Nos.	2.57
9)	Turfing	33286 M^2	3.36	24965 M^2	2.52	24964.50 M^2	2.52	83215 M2	8.40
10)	Bed bar	14 Nos.	0.39	11 Nos.	0.30	10 Nos.	0.29	35 Nos.	0.98

II. Non Tank Component			**137.08**		**105.23**		**94.66**		**336.97**
	NIL								
	SubTotal								
	LS PROVISIONS								
	Modern facilities like Solar panel, Net connectivity								
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								

1). Tank component	336.97	
2). Non-Tank component	--	
Total =	336.97	**Lakhs**

Package - 18

C. (PHYSICAL AND FINANCIAL PROGRAM)

Sl. No	Description	Mile stone-I (6 months)		Mile stone-II (6 months)		Mile stone-III (6 months)		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity		Quantity	Amount in Lakhs
	Tank Component								
1)	Improvements to Bund	10828 M^3	125.94	8121 M^3	94.46	8121 M^3	94.46	27070 m3	314.86
2)	Repairs to sluice	1 No	0.60					1 No	0.60
3)	Reconstruction of sluice	8 Nos.	17.20	6 Nos.	12.90	6 Nos.	12.90	20 Nos.	43.00
4)	Repairs to Weir	5 Nos.	35.17	4 Nos.	26.38	4 Nos.	26.38	13 Nos.	87.92
5)	Reconstruction of Weir	Nos.		Nos.		Nos.			
6)	Impro. to Supply channel	6440 m	12.45	4830 m	9.34	4830 m	9.34	16100 m	31.13
7)	Impro. to Field Channel	420 m	10.93	315 m	8.20	315 m	8.20	1050 m	27.33
8)	Flow measuring devices	11 Nos.	1.94	9 Nos.	1.46	9 Nos.	1.46	29 Nos.	4.85
9)	Turfing	51100 M^2	5.16	38325 M^2	3.87	38325 M^2	3.87	127750 M^2	12.90
10)	Bed bar	32 Nos.	0.82	23 Nos.	0.61	23 Nos.	0.61	78 Nos.	2.04
	SubTotal		209.85		183.62		131.16		**524.63**
II. Non Tank Component									
	NIL								
	SubTotal								

	LS PROVISIONS								
	Modern facilities like Solar panel, Net connectivity								
	Provision for Labour welfare, unforeseen items, Advertisement charges, Photographic charges including provision for Flow Measuring Devices and Turfing on rear slope of tank bund @ 3%								
	SubTotal								
	Environment cell								
	Ground water								
	Total								

1). Tank component	524.63		
2). Non-Tank component	--		
Total =	524.63	**Lakhs**	

Sl. No.	Description of works
1)	**Clearing scrub jungle, complete complying with standard specifications and as directed by the Engineer-in-charge of work and complying with technical specification-3.2**
2)	**Earth work excavation in all soils except hard rock requiring blastering and conveying for formation in layers 22cm thick with lead of 0 to 100 metre deplying earth moving machineries and tippers including benching, formation of bunds, breaking clods watering and compaction using power roller to atleast 95%protector density @ optimum moister content in each layer including side slope compaction and sectioning etc.,**
3)	**Rough stone dry packing for revetment and apron using new stoneand apron using new stones obtained from approved soucrs including the cost of new weges for filling the gaps etc., and complete of the works and as per techncial specification and directed by the Engineer -in-charge of works [specification 3.5]**
4)	**Supplying and spreading of gravel including stacking for pre-measurements spreading watering and consolidation using hand roller as per technical specification and as directed by the departmental officers during execution of work-4.1**
5)	**Supplying and fixing in position of RCC post of size 1.50m x 0.15m x 0.15m etc., complete complying with standard specification and as directed by the departmental officers.**
6)	**Gravel backing for revetment including cost of gravel conveying and stacking at site of work for pre-measurement and working up with water etc., as directed by the engineer in charge of work [special]**
7)	**Earthwork excavation for cut opening the tank bund with iniial lead of 10m and lift of 2m in hard stiff clay , stiff black cotton soil, hard red earh, shales, murams,gravel, stoney earth and earth mixed with small sized boulders including refilling etc. complete.**
8)	**Dismantling, clearing away and carefully stacking material useful for reuse for any thickness of brick or stone masonry in cement Mortar walls under 3 (Three) metres high complying with standard specification and as directed by the departmental officer-5.4.complete.**
9)	**Dismantling, clearing away and carefully stacking materials. Dismantling cement concrete as directed by the departmental officers-5.4.**
10)	**Dismantling ,clearing away and carefully stacking the material useful for resuse for cut stone slab as directed by the Engineer in charges of works as per technical specification.**
11)	**Earthwork excavation for foundation in all soils except hard rock requiring blasting including shoring, strutting and bailing out water wherever necessary and refilling the sides of foundation with excavated earth including all leads and lifts etc., complying with standard specification.SS20B**
12)	**Supply and filling with clean river sand for foundation including watering and consolidating etc., complete complying with standard specification-4.2**
13)	**Providing and placing in Position of cement concrete M 7.5 grade design mix with well graed aggregates and the nominal maximum size of coarse aggregate of 40mm mixing by mixer machine to produce concrete of the specified characteristic strength of 7.5 n/mm2 @ 28 days including dewatering by bailing / pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts, compacting and finishing the surface watering curing, so as to attain the profile and strength specified in the drawings for various depths below ground level and various heights above ground level as per the direction of the Engineer and complying with standard specification.**

14)	**Providing and Placing in position Plain cement concrete (M10) Design mix using 20mm HBGS jelly laid in layers of not more than 15cm thick including curing, finishing and cost & conveyance of all materials etc., complete complying with standard specifications and as directed by the departmental officers-7.1**
15)	**Providing and Placing in position Plain cement concrete (M15) Design mix using 20mm guage hard broken granite stone jelly for foundation including cost of materials and labour charges for mixing in layers of 15cm thick and curing etc., complete complying with standard specifications and as directed by the departmental officers-7.1**
16	**Providing and placing plain cement concrete (M20) Design mix using 20mm gauge hard brocken granite stone jelly for wearing coat in layers of not exceeding 15cm thick including compatcting excluding cost of reinforcement and fabrication charges and centering and shuttering but including curing finishing etc., complete complying with standard specifications and as directed by the departmental officers-7.1**
17	**Supplying, fabricating and placing position of RTS (or) MS rods for all reinforced cement concrete works including cost of binding wire, steel and labour charges etc., complete complying with standard specifications and as directed by the departmental officers-7.1.1.5 & 7**
18	**Supplying and erecting centering for sides and sofits including supports and strutting upto 3 M height for plane surfaces such as RCC slab rectangular beam, Tee (or) Ell beams, lintel, bed block slabs landing slabs, beams, canopy etc., as detailed below with all cross bracing's using M.S. sheets of size 90 cm x 60 cm and B.G.10 stiffened with welded M.S. angles of size 25 x 25 x 3 mm for boarding laid over silver oak (or) country wood joist of 10 cm x 6.5 cm spaced at about 90 cm c / c. and supported by casurina props of 10 cm to 13 cm dia spaced at 75 cm c / c etc., complete complying with standard specifications.**
a)	**Vertical Centering**
b)	**Horizontal Centering**
19)	**Refilling with excavated soil other than sand complying with standard specification including consolidation with power roller etc., complete complying with standard specification.**
20)	**Providing and fixing best country wood plug with 50 mm dia MS screw gearing rod 4 m height support on 2 Nos.ISMB 125 RJ Joists of 1.5 m length and guide beam 1 no of the same size resting in turn of MS base plate of 50mmx30mm size 6 mm thick with cast iron hexagonal head set and a collar plate of 300mmx 300mmx6mm thick fixed with necessary bolts and nuts and other fixtures etc.complete**
21)	**Earthwork deploying earth moving machineries for desilting channel and forming bund on either side and depositing the earth on banks including sectioning jungle clearance etc., complete. (having width of 0m - 3m)**
22)	**Earthwork deploying earth moving machineries for desilting channel and forming bund on either side and depositing the earth on banks including sectioning jungle clearance etc., complete. (having width of 3m - 10m)**
23)	**Plastering in cm 1:4 (one cement and four sand) 12mm thick including finishing, curing etc., complete**
24)	**Clean removal plaster with Cement mortar 1:4 with 20mm thick.**
25)	**Filling with New Rough stone and loose boulders dry packing for Launching apron and revetment etc. complete.**
26)	**Supplying and filling HBG stone jelly 10mm to 80mm size on top of sand course for inverted filter complying with standard specification and as directed by the departmental officers.**
27)	**Randam Rubble masonry in Cement Mortar 1:4 using new stones and chips with simultaneous flus pointing including curing etc. complete.**

28)	**Turfing in slopes including watering and fixing with a lead of 50m complying with standard specification.**
29)	**Supplying and fixing flow measuring device pipe including cost of steel 'V' notch madeup of mild steel plate of 6mm thick fixing charges. Earth work laying concrete etc., complete complying with standard specification and as directed by the Engineer in charge of work.**

29 items (Twenty nine items)

1.7. ENVIRONMENTAL COMPONENT

Report to accompany the estimate for the work of "Environmental Component in Detailed Project Report for Kosathalaiyar Sub Basin of Chennai Basin under TN – IAMWARM PROJECT"

Estimate Amount: Rs 25.20 Lakhs

Under TNWRCP, with World Bank assistance, special emphasis was given for the first time to assess the Environmental Status and degradation caused for all River basins in Tamilnadu. Soil Assessment study has been conducted by Environment Protection Training and Research Institute (EPTRI), Hyderabad. This institute has identified the Environmental issues, mitigatory measures and given their recommendations on the following issues.

Environmental and Social issues

Environmental Issues	Social Issues
Industrial Pollution	Encroachment in the river and tank beds
Sea water intrusion reduced the quality of ground water	Poor sanitary conditions
Sand Mining is prevalent in the river bed areas	Skin Allergies
Siltation	Mosquito breeding due to water stagnation and Elephantiasis
Coastal Erosion	
Weeds Growth	
Industrial Effluents released into river	
Domestic sewage released into river	
Over Exploitation of ground water	
Dumping of Debris into tanks	

i) Mitigatory Measures - Non-judicial and excessive sand mining have to be controlled and regulated.

- Livestock services delivery and Management
- Common storage facilities may be established

ii) Agency - The above measures can be improved by the combined working of Environmental Cell wing and Animal Husbandry Department.

The Environmental Cell of WRO assessed the Environmental impact on the quality of Surface and Ground water and Soil by collecting water & soil samples and testing them, preparation of Micro level Environmental Status Reports for all the River basins with the World Bank assistance for these works up to March 2004.

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 the 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 Environmental issues pertaining to that area and remedial action to overcome the problems is must.

Under Chennai Basin, following Sub Basins are involved:

1) **Kosathalaiyar Sub Basin**
2) Araniyar Sub Basin
3) Cooum Sub Basin
4) Adayar Sub Basin
5) Gummidipoondi
6) Kovalam

7) Nagari

8) Nadhiyar

Accordingly, Environmental issues prevailing in the Kosathalaiyar Sub basin is taken up under IAMWARM Project.

1.00 KOSATHALAIYAR RIVER

Kosathalaiyar river originates in Andhra Pradesh. Kosathalaiyar river originates from Kaveripakkam tank of Kaveripakkam town. One arm of Kesavaram anicut called Kosathalaiyar river carries the surplus to the Poondi reservoir over an open weir. Kosathalaiyar river Basin originates at Kesavaram Anicut where Nandhi and Nagari river confluences. Nandhi river originates at R.K.Pet and Sholingur town. Nagari river enters Tamil Nadu at Pallipattu town of Tamil Nadu. Kosathalaiyar river has Nagari and Nandhi river drains in the area of Tirutani tank. Kesavaram Anicut located across Kosathalaiyar divert the water to this reservoir through Cooum river and Bangaru Channel.

This Sub basin receives rain fall from North - East monsoon and South West Monsoon. There are 99 System tanks, 217 Non system tanks and 4 Anicuts under the Control of WRO., PWD with a total registered ayacut of 37023.30 Ha.

HYDRAULIC PARTICULARS

Length of Kosathalaiyar River	-	155 Km.
Catchment Area	-	4273 Sq. Km
Range of Average Annual rainfall	-	818 mm.
Gross Recharge of the Basin	-	549.99 m.

1.1 KOSATHALAIYAR SUB BASIN

Kosathalaiyar river originates from the Surplus water of Kaveripakkam tank in Kaveripakkam town which is one of the irrigation tanks supplied by palar Anicut. Area of the Kosathalaiyar Basin is 4273 km^2. Nagari and Nandhi rivers are tributaries of Kosathalaiyar just above Poondi Reservoir. In this basin, Sathyamoorthy sagar, Popularly known as Poondi reservoir is the only reservoir constructed across Kosathalaiyar, which is situated 65 Km from the source of Kosathaliyar. It was built in 1945 and became the flood moderator of the river and mitigated floods overflowing into the northern part of the Chennai City. The present capacity is 97.98 M.Cu.M. Length of the Basin is 155 km. Further down from 20 Km from Poondi reservoir, Tamaraipakkam anicut is

located, which was constructed across Kosathalaiyar in 1879, which act as an important anicut for diverting the water from Poondi to Sholavaram and Puzhal Lakes.

1.2 Tanks Polluted by Aquatic Weeds:

It is observed that the Aquatic weeds growth Ipomoea, locally known as **Kadal Palai,** Prosopis Juliflora , Water Hyacinth and Nanal are found to be in almost 80 % of the tanks. The plant growth varies from 60 % to 80% in various tanks. In general weeds growth restricts the water storage and loss in capacity of the tanks.

1.3 Sewage disposal let into water bodies:

In almost all the villages, no safe disposal of sewage or proper treatment method is adopted. This affect the near by water source directly or affecting the ground water potential indirectly.

So, creating awareness among the presidents of the local bodies is essential 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.

1.4 Solid waste disposal:

The problem of Garbage collection and its disposal has assumed importance, in the context of rapid growth of population, urbanization, industrial growth and development. There is no organized scientific method of disposal in all the Municipalities and Panchayats in this sub basin.

1.5 Industries:

The majority of the industries in this basin is located in Manali, Ennore, Tiruvattiyur, Kathivakkam areas in Minjur, Puzhal and Ambattur Blocks, out of these 96 are classified under red category. Except Manali industrial complex, which is situated near the tail end of river and where major industries like Madras Fertilizers Ltd, Madras Refineries Ltd, Ennore Thermal power station are located, remaining industries are small in size and spread out through out the basin area.

Out of the 96 industries in the basin, nearly 50% of the industries are consuming less than 10 KLD of water for the industrial production. Some of the major Chemical industries situated in Eranavur, Manali, Kosapur of Puzhal Block are utilizing 1000 KLD to 18000 KLD. Nearly 50% of industries are having trade effluent and 38 industries are having arrangement for treating the effluent and using it within their premises for various uses.

1.6 Sand mining:

One of the major problem in river basin related to Sand Mining as it poses major threat to River Bed. Sand quarrying for construction and other purposes is growing at an alarming rate which causes failure of Anicuts and Diversion structures, stagnation of water in the deep mined river bed causing consequent health hazards. This needs to be prevented by all means..Sand is being collected only at the approved site and the Regular Territorial Division is closely monitoring.

1.7 Encroachment:

This river basin is being encroached for various kinds of activities; this includes urban activities, farming activities and industrial activities, which may ultimately narrow down the flow of river. This would generally increase the chances of occurring flood during monsoon season and loss to the properties and agricultural crops.

Therefore, legal measures should be strengthened in order to prevent more tanks being encroached upon and get lost. Encroachment also caused due to dumping of solid waste especially along the urban areas which arrest ground water recharge to a greater extent.

1.8 Disease Prevalence:

The disease profile indicates that acute Diarrhea is a major disease prevailing in the basin. In addition, Dysentery and Jaundice are prevalent in the basin. This is due to contamination of sewage water and lack of knowledge with the people to boil and drink the water for safety reasons.

2.0 Social Issues:

The social problems identified in the sub basin are reduction in Livestock, Poor drinking water supply, poor sanitation and poor marketing facilities.

3.0 Water Quality and Quantity:

a) Surface water quality of the basin

The surface water quality is generally good, Water can be utilized for irrugation purpose,however it need treatment before using drinking purpose. Soil degradation due to salinity is a major problem along the coastal areas in Sholavaram and Minjur blocks in the basin area. Ammapettai, RK Pet,

Mattavalam, Pallikuppam are some of the areas in Tiruthani Taluk moderately affected by salinity.

b) Ground water quality of the basin

TDS and hardness values are also exceeds the limit in urban areas and whereas in other than urban areas the values are within the limit, which shows the pollution dominate in the urban areas. TDS, Calcium and Sulphate level is also very high in majority of the wells in the basin.

c) Water Potential of the Sub Basin

S.No	Name of the Sub Basin	Utilizable ground water recharge in MCM	Net ground water in MCM	Balance potential in MCM	Percentage of development
1	Kosathalaiyar sub basin	549.99	448.66	101.33	81.57 %

3.1 ENVIRONMENTAL ACTIVITIES SO FAR CONDUCTED

The following activities have been conducted in this basin

1) River basin monitoring
2) Awareness Programmes

3.2 River basin monitoring

Water samples have been collected in the identified sampling points and also at polluted tanks. Based on the water quality and data collection, environmental status report has been prepared.

3.3 Awareness Programmes

Environmental Awareness Programmes have been conducted throughout the basin by inviting all the line departments, farmers, Public and NGOs. These programmes had made the people to interact with the departments' representatives and to address the local environmental issues. Also, the environmental protection schemes of the Government have reached the people through the programmes.

The importance and the benefit of Solid waste management, water conservation techniques; organic farming and Tree plantation has reached

the participants, from the lectures of the experts and through pamphlets. Tree Saplings has also been distributed to the participants and it had created interest in tree plantation by utilizing the sullage water.

4. ENVIRONMENTAL ACTIVTIES PROPOSED

4.1 River Basin Monitoring:

To monitor the quality of water and soil and create database regarding the environmental status for the sub basin, the following activities are proposed at the sub basin level.

4.2 Collection and testing of water and soil samples:

Water samples were collected and tested in the sub basin at identified sampling points regularly from the year 2002. Water samples will be collected and tested in the identified sampling points and also at polluted tanks in the sub basin. Soil samples will be collected according to the necessity arising in the sub basin.

Continuance of collection and testing of water samples is essential, as good and long range data will enable to understand the problems more precisely. Hence, now it is proposed to collect and test water samples at identified points in addition for a period of **Three years** to assess the environmental impact on the quality of surface water of this sub basin more accurately.

In addition to the above identified locations, water samples will also be collected and tested at regular intervals from tanks to estimate the level of pollution where sewage is directly let into tanks and channels to assess the impact of pollution on the quality of surface and ground water.

Soil samples are to be collected from the selected locations to assess the impact on the quality of soil due to various environmental problems like use of chemical fertilizer and pesticides and using the polluted water. From these locations, number of samples at regular interval has to be collected and tested to determine precisely the impact on the degradation of the quality of the soil. Therefore testing of soil samples are found essential.

Under this item, following provisions have been made:

1. Testing charges for water and soil samples
2. Provision of labour charges , purchase of materials, conveyance , hiring of Jeep driver, computer operator etc.,
3.

4.3 Environmental and social knowledge base analysis and Development

Village level environmental and social data will be collected to dissipate knowledge amongst villagers for development activities.

Transfer of technical know-how for solid waste management system including source segregation, recycle of dry waste and linkage with user agencies.

Now a new scheme for solid waste management plan is under implementation in all municipalities and Panchayats. Under this scheme, collection tank for disposal and non-disposable garbage have been constructed in most of the local bodies. But recycling the waste and converting the solid waste into manure and production of energy from them are yet to be come up.

Hence demonstration and action programs are planned with user agencies and necessary field visits are programmed to transfer of technical know how for solid waste management system.

5. Social and Environmental Awareness Campaign:

Conducting Environmental and social Awareness meeting, Programme, demonstration and exhibitions on various environmental and social related issues including capacity building.

Awareness programmes are essential 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.

Hence to create and motivate the people, awareness programmes are to be conducted in the villages of the sub basin. It is also proposed to conduct awareness meetings in school / institutions and also for WRO officials/ line department officials, conduct workshops at sub basin level and at Region level, provide exposures and field visit to eco friendly practices, during the study period of three years covering the following subjects in addition to placing stickers, tin sheets and pamphlets containing messages about environmental awareness.

- Sanitation
- Solid waste treatment
- Sewage treatment and converting the same into Gas
- Natural farming ,herbal gardening

- Conversion of aquatic weeds into manure etc.,

Mode of Execution:

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

6.0 Total Cost.

The total Proposal cost works out to **Rs. 25.20 Lakhs.**

(Rupees Twenty Five lakhs and Twenty thousand only).

Assistant Engineer, PWD, WRO Environmental Cell Section-II Environmental Cell Sub Division -II Chepauk, Chennai-5.	Asst. Executive Engineer, PWD, WRO, Environmental Cell Sub Division -II Chepauk, Chennai-5

List of Red Category industries in Kosathalaiyar Sub Basin

SL. No.	Name of Industry	Total no in the basin	No.of Industries		Disposal of Effluent	
			Generating Trade effluent	Using with in their premises	Using with in their premises	Letting out in open ditches/storm water drains
1	Chemical	40	21	15	15	6
2	Rubber	2	2	1	1	1
3	Steel plant	4	1		1	
4	Elector Planting	1	1		1	
5	Oil&Refinery	3	3	2		3
6	Paper&pulp	1	1	1	1	
7	Engineering	8	2	1	1	1
8	Foundry	6	2	2	2	
9	Cement	1	1	1		1
10	Tannery	4	3	3	1	2
11	Fertilizer	4	3	3	1	2
12	Thermal Plant	3				
13	Pesticide	1				
14	Petrochemical	2	2	2	1	1
15	Non-ferrous	1				
16	Miscellaneous	15	8	7	8	
	Total	**96**	**50**	**38**	**33**	**17**

Name of Work :

"Environmental Component in Detailed Project Report for KOSATHALAIYAR SUB BASIN of Chennai Basin under TN – IAMWARM PROJECT"

DETAILED ESTIMATE

Sl No	Description of work	No	Measurement			Contents
			L	B	D	
I.	**Environmental Social Monitoring of river basin including peroidical water and soil quality testing and documentation. (By fixing nodel agency any educational instituition)**					
a)	Water samples collected from river & tanks for a period of **Three years**	30				30 Nos.
b)	Soil samples collected from irrigation fields for a period of **Three years**	18				18 Nos.
c)	Hiring jeep driver on service contract basis for the department vehicle	1No	3x2 = 6 Months			6 months
d)	Collection and conveyance charges including all purchases like cans, bottles,chemicals,Documentation of test results including labour charges.	LS				LS
II	**Environmental Social knowledge base analysis and development (By fixing nodel agency or any educational instituition)**					
	Preparation of Impact Assessment report with expert analysis for 3 yrs @ every 6 months and documentation for					
a)	Impacts due to project investment.	LS				LS
b)	Other impacts obsered in the river basin.	LS				LS
III.	**Transfer of technical know how for solid waste management system including source segregation, recycle of dry waste and linkage with user agencies. (By fixing nodel agency or any educational instituition)**					

a)	Motivating the local bodies for Soild waste management project and Sewage treatment plants to prevent pollution of water sources and using for irrigation by transfering technical know how through demonstration Documentary film and Technical visit including herbal garden	L.S.				L.S.
b)	Promoting Entrepreneurship Policy for Eradication for weeds by setting up Bio gas Plant / Vermi compost By WUA through Awareness creation, Demonstration and consultative meeting and pilot study.	L.S.				L.S.
c)	Formation of Herbal garden	L.S.				L.S.
IV.	**Conducting Environmental and social Awareness meeting, programme, demonstration and Exhibitions on various environmental and social related issues including capacity building.(By fixing nodel agency or any educational instituition)**					
a)	Printing Stickers, Pamphlets, Tin sheets, Providing Banners for Propagating Environmental Awareness among public	LS				LS
b)	Conducting Awareness Programs for Public	LS				LS
c)	Conducting Meetings for WRO officials / line department officials.	2 x1				2 Nos
d)	Conducting Meetings in School/ Institution	1 X 3				3 Nos
e)	Conducting Workshop at sub basin level	1 x 1				1 No
f)	Exposes and field visit to Eco-friendly practices	LS				LS
g)	Environmental fair / exhibition, benchmarking, recognition of good eco friendly practices, green awards.	LS				LS
h)	Preparing and publishing Environmental Atlas for the Sub Basin for the use of Line departments / Institutions for better Management of Sub basin	LS				LS
i)	Environmental related books/ journal, publishing, Annual report for the sub basin,	LS				LS

j)	Documentation of the entire activities, Videofilms,hire purchase of LCD, Preparation of sub-basin maps of all size & Upgradation of computer and accessories.	LS				LS
k)	Exposure to field visit and Eco-friendly practices and environmental monitoring.	LS				LS
l)	Engaging Computer Operator grade-II for the preparation of reports,Documents etc..	1 x 4 Months				4 Months
V)	Unforeseen items	LS				LS

Name of Work :

"Environmental Component in Detailed Project Report for KOSATHALAIYAR SUB BASIN of Chennai Basin under TN – IAMWARM PROJECT"

ABSTRACT ESTIMATE

S.No	Qty		Description of Work	Rate	Per	Amount
I. Environmental Social Monitoring of river basin including peroidical water and soil quality testing and documentation. (By fixing nodel agency or any educational instituition)						
a)	30	Nos	Water samples collected from river & tanks for a period of Three years	6441	Each	193230
b)	18	Nos	Soil samples collected from irrigation fields for a period of Three years	10964	Each	197352
c)	6	Months	Hiring Jeep driver for the Dept Vehicle @ Rs 151.80/day (26 days)	151.80	/day	23681
d)	LS		Collection and conveyance charges including all purchases like cans, bottles,chemicals,Documentation of test results including labour charges.	LS		5000
II	**Environmental Social knowledge base analysis and development (By fixing nodel agency or any educational instituition)**					
	LS		Preparation of Impact Assessment report with expert analysis for 3 yrs @ every 6 months and documentation for			
a)	LS		Impacts due to project investment.	LS		300000
b)	LS		Other impacts obsered in the river basin.	LS		100000
III.	**Transfer of technical know how for solid waste management system including source segregation, recycle of dry waste and linkage with user agencies. (By fixing nodel agency or any educational instituition)**					
a)	L.S.		Motivating the local bodies for Soild waste management project and Sewage treatment plants to prevent pollution of water sources and using for irrigation by transfering technical know how through demonstration Documentary film and Technical visit.	LS		100000

b)	L.S.		Promoting Entrepreneurship Policy for Eradication for weeds by setting up Bio gas Plant / Vermi compost By WUA through Awareness creation, Demonstration and consultative meeting and pilot study.	LS		300000
c)	3	No	Formation of Herbal garden	30000	Each	90000
IV.	**Conducting Environmental and social Awareness meeting, programme, demonstration and Exhibitions on various environmental and social related issues including capacity building. (By fixing nodel agency)**					
a)	LS		Printing Stickers, Pamphlets, Tin sheets, Providing Banners for Propagating Environmental Awareness among public	LS		50000
b)	LS		Conducting Awareness Programs for Public	LS		300000
c)	2	Nos	Conducting Meetings for WRO officials / line department officials.	20000		40000
d)	3	Nos	Conducting Meetings in School/ Institution	20000		60000
e)	1	No	Conducting Workshop at sub basin level	100000		100000
f)	LS		Exposure and field visit to Eco-friendly practices & Environmental Monitoring	LS		150000
g)	LS		Environmental fair / exhibition, benchmarking, recognition of good eco friendly practices, green awards.	LS		100000
h)	LS		Preparing and publishing Environmental Atlas for the Sub Basin for the use of Line departments / Institutions for better Management of Sub basin	LS		300000
i)	LS		Environmental related books/ journal, publishing, Annual report for the sub basin,	LS		15000
j)	LS		Documentation of the entire activities, Videofilms,hire purchase of LCD, Preparation of sub-basin maps of all size & Upgradation of computer and accessories.	LS		64521
l)	4 Months		Engaging Computer Operator grade-II for the preparation of reports,Documents etc..	204	/day	21216
V)	LS		Unforeseen items	LS		10000
			Total			**2520000**

(Rupees Twenty Five Lakhs and Twenty thousand Only)

Details of Proposals in each Infrastructure of the Sub Basin

Sl. No.	Name of the cluster / infrastructure / Village	Total
1	2	15
	CLUSTER NO .1	
1	Maruderi tank	17.05
2	Sumaithangi tank	31.21
3	Jaderi	35.12
4	Bagaveli tank	18.63
5	Valluvampakkam tank	35.30
6	Ponnappanthangal tank	32.58
7	Vangur Nagaleri tank	15.17
8	Govindacheri tank	33.24
9	Govindacherikuppam tank	8.83
10	Musiri tank	15.97
		243.10
	CLUSTER NO .2	
1	Mangalam big tank	25.47
2	Mangalam chitteri	25.90
3	Kilveeranam tank	11.92
4	Kilveeranamthangal tank	24.63
5	Suriyakulam tank	13.52
6	Vedanthangal tank	28.18
7	Banavaram tank	12.27
8	Karnavoor tank	17.59
		159.48
	Package No.1 Total	**402.58**
	CLUSTER NO .3	
1	Mahendravadi tank	89.25
2	Irulan Odai tank	9.24
3	Meenakshithangal tank	8.42
4	Balakrishnapuram tank	17.41
5	Kattupakkam Paleri	13.54
6	Munipillaithangal tank	12.54
7	Meleri	18.58
8	Velithangipuram tank	20.13
9	Arasankuppam tank	22.20
10	Nariyanthangal tank	15.02
11	Kattupakkam big tank	15.26
12	Maliyamedu tank	12.57
		254.16
	CLUSTER NO .4	
1	Alapakkam tank	21.56
2	Sathuvanatham tank	14.88
3	Pudupattu big tank	15.53

4	Pudupattuthangal tank	3.83
5	Upparanthangal tank	18.30
6	Pudur tank	26.61
7	Gangadaranallur tank	22.41
8	Panniyur tank	15.22
		138.34
	Package.2 Total	**392.50**
	CLUSTER NO .5	
1	Kaveripakkam tank	598.33
		598.33
	Package.3 Total	**598.33**
	CLUSTER NO .6	
1	Kilveethi chitteri	51.34
2	Kilveethi big tank	34.00
3	Peraperi tank	28.96
4	Thuraiyur tank	18.67
5	Uliyanallur tank	25.81
6	Konthankarai tank	19.83
7	Vepperi chitteri	9.19
8	Vepperi big tank	24.46
9	Nemili tank	17.27
10	Kariyakudal tank	15.48
		245.01
	CLUSTER NO .7	
1	Thenmampakkam tank	19.23
2	Reddivalam tank	86.93
3	Thennal tank	19.12
4	Vettankulam tank	77.55
5	Punnai tank	26.10
6	Zageerthandalam tank	43.91
7	Velleri tank	15.27
8	Kilvenpakkam tank	18.52
9	Melvenpakkam tank	20.22
		326.85
	Package.4 Total	**571.86**
	CLUSTER NO .8	
1	Sirukarumbur tank	26.10
2	Eralacheri tank	12.32
		38.42
	CLUSTER NO .9	
1	Peruvlayam tank	76.30
2	Kalpalampattu Alanthangal	15.89
3	Kalpalampattu Putheri	51.11
4	Sivaramanthangal tank	10.66
5	Siruvalayam tank	32.61
6	Dharmaneethi tank	21.84
7	Nangamangalam tank	36.69
8	Poigainallur Meleri	19.35

9	Poigainallur Periyathangal	10.83
10	Poigainallur Chinnathangal	2.70
11	Poigainallur Kilathangal	12.78
12	Panapakkam tank (NK)	9.03
		299.79
	Package.5 Total	**338.21**
	CLUSTER NO .10	
1	Asanallikuppam tank	77.63
2	S.Kolathur tank	60.93
3	Nelvoy tank	44.55
4	Pallur big tank	47.37
5	Pallur Chitteri	27.73
6	Pallur Putheri	29.36
		287.57
	CLUSTER NO .11	
1	Illupaithandalam tank	125.76
2	Synapuram big tank	35.97
3	Synapuram small tank	27.11
4	Synapuramthangal tank	17.72
5	Attupakkam big tank	38.37
6	Attupakkam small tank	27.01
		271.94
	Package.6 Total	**559.51**
	CLUSTER NO .12	
1	Takkolam Kalleri	34.34
2	Arigilpadi tank	26.74
3	Thirumadulampakkam tank	30.62
4	Mangattucheri tank	23.60
5	Pinnavaram tank	33.23
6	Kadambanallur tank	32.19
7	Parameswaramangalam tank	36.29
		217.01
	CLUSTER NO .13	
1	Sendamangalam big tank	19.35
2	Sendamangalam small tank	22.11
3	Manavanthangal tank	24.23
4	Ganapathipuram tank	41.85
5	Murungai tank	51.67
6	Takkolam big tank	184.63
7	Chittoor big tank	26.57
8	Chittoor small tank	21.24
	TOTAL	**391.65**
	Package.7 Total	**608.66**
	CLUSTER-14	
1	Periakalakkattur Big Tank	22.51
2	Periakalakkattur Chitteri	13.67
3	Villanthangal Tank	2.36
4	Thozudhavur Tank	21.91
5	Orathur Tank	20.88

6	J.S.Ramapuram Chitteri	12.00
7	Kalambakkam Big Tank	13.00
8	Manavur Hissa Tank	48.49
9	Lakshmivilasapuram Tank	22.41
10	Ponnangulam Tank	14.72
	Sub-Total	**191.95**
	CLUSTER-15	
1	Chakramallur Tank	12.99
2	Ganesapuram Tank	19.33
3	Palayanur Big Tank	35.03
4	Pulavanallur Tank	19.69
5	Harichandrapuram Tank	23.22
6	Jageermangalam Big Tank	17.55
7	Jageermangalam Chitteri	8.15
	Sub-Total	**135.96**
	CLUSTER- 16	
1	Gulawadi Tank	16.51
2	Gulawadi Pattrai Tank	10.13
3	Thiruvangadu Netteri	14.93
	Sub-Total	**41.57**
	Package.8 Total	**369.48**
	PACKAGE NO.9	
	CLUSTER - 17	-
1	Ramankoil Tank	15.84
2	Sennavaram Tank	13.38
3	Panabakkam Big Tank	16.19
4	Panambakkam Chitheri	4.15
5	Thenkaranai Tank	13.13
6	Thenkaranai Zeemaleri	7.27
		69.96
	CLUSTER - 18	-
1	Kalaniyanur Big Tank	27.63
2	Kalaniyanur Chitheri	19.36
3	Nemili Agram Tank	18.45
4	Melvilagam Tank	20.60
5	Vidaiyur Periya Eri	27.74
6	Vidaiyur Chitheri	
7	Venmanambudur Tank	28.72
		142.50
	CLUSTER - 19	-
1	Pattraiperumbudur Tank	30.84
2	Manjakuppam Tank	19.05
3	Kunnavalam Tank	24.45
4	Thirupatchur Tank	45.80
5	Kaivandur Tank	31.26
		151.40
	Package.9 Total	**363.86**

	PACKAGE NO.10	
	CLUSTER - 20	-
1	Rangapuram Tank	13.33
2	Krishnapuram Tank	15.56
3	Thirupair Matheri Tank	13.02
4	Sendrayapalayam Tank	27.36
5	Nayapakkam Budheri	16.70
6	Nayapakkam Chitheri	
7	Ariyathur Tank	17.78
		103.75
	CLUSTER - 21	-
1	Ponnapattu Tank	13.39
2	Attrambakkam Tank	22.15
3	Eraiyur Big Tank	21.03
4	Eraiyur Chitheri	20.92
		77.49
	CLUSTER - 22	-
1	Melanur Tank	26.92
2	Pinnapakkam Tank	39.69
3	Chithapakkam Tank	37.29
4	Ramathandalam Tank	27.46
5	Pullarambakkam Tank	43.84
		175.20
	Pakage.10 Total	**356.44**
	PACKAGE NO.11	
	CLUSTER - 23	-
1	Ikkadu Kalayani Eri	23.10
2	Ikkadu Big Tank	24.68
3	Ikkadu New Tank	14.15
4	Kakkalur	27.54
5	Kalambakkam	17.64
6	Kalayanakuppam Kos.	18.25
7	Kalayanakuppam Tank	18.58
8	Thandalam Big Tank	23.33
		167.27
	CLUSTER - 24	-
1	Ayalur Mettuthangal	16.61
2	Ayalur Tank	29.39
3	Ayathur Thangal	20.78
4	Perathur	30.62
5	Kilanur Tank	8.91
6	Othikadu Tank	30.64
7	Sitrathur Tank	16.48
8	Veeragavapuram Tank	30.66
		184.09
	Package.11 Total	**351.36**
		-

	CLUSTER - 25	
1	Puliyur	41.39
2	Sivanvoyal	29.50
3	Vadhatur Tank	30.92
4	Melakondaiyur Tank	21.65
		123.46
	CLUSTER - 26	-
1	Pakkam Chitheri	21.28
2	Pakkam Tank	37.35
3	Pakkam Thangal	23.00
		81.63
	CLUSTER - 27	-
1	Karikalavakkam Tank	28.31
2	Velliyur Big Tank	26.11
3	Vilambakkam Tank	11.00
4	Vilambakkam Uranithangal	11.09
		76.51
	Pakage.12 Total	**281.60**
	CLUSTER - 28	-
1	Magral Tank	11.79
2	Magral Nadu thangal	14.21
3	Magral Vizhu thangal	7.65
4	Thamaraipakkam Tank	36.89
5	Kommakkambedu Tank	24.12
		94.66
	CLUSTER - 29	-
1	Guruvoyal Tank	21.25
2	Karani Tank	26.46
3	Koduvelli panchanthangal	11.46
4	Koduveli Tank	29.17
		88.34
	CLUSTER - 30	-
1	Athivakkam Tank	23.73
2	Alinjivakkam Tank	19.62
3	Athingikavanoor Tank	26.42
4	Kilambakkam Tank	17.84
5	Neiveli Tank	13.42
6	Poorivakkam Tank	21.66
7	Thirukandalam Tank	30.83
		153.52
	Package.13 Total	**336.52**

	CLUSTER - 31	-
1	Allikuli Tank	11.91
2	Devandavakkam Tank	13.37
3	Kadervedu Tank	12.91
4	Korrakkanthandalam Jaderi	22.44
5	Meyyur Large Tank	18.74
6	Nelvoy Reddammaneri	26.28
7	Nelvoy Koppanthangal	12.34
8	Nelvoy Perieri and Chiteri	15.80
9	Odaippai Big Tank	14.10
10	Sembedu Puderi and Chitheri	21.75
11	Thimmaboopalapuram	12.54
12	Thimmaboopalapuram East Tank	26.78
13	Vellathukottai Eracheruvu	15.18
		224.14
	Package.14 Total	**224.14**
	CLUSTER -32	
1	Koilpathagai Tank	45.74
2	Mittanamallee Tank	28.79
3	Vellacheri Tank	56.61
4	Kadavoor Tank	21.54
5	Palavedu Thangal	14.03
6	Keelkondaiyur Tank	50.52
7	Pandeswaram Tank	43.09
8	Arakkambakkam Tank	19.98
9	Karalambakkam Tank	40.23
10	Alathur Tank	44.60
11	Melpakkam Tank	32.51
		397.64
	Package.15 Total	**397.64**
	CLUSTER - 33	
1	Pammadukulam Tank	1.88
2	Pammadukulam pudhu thangal	4.54
3	Vellanoor Big Tank	7.79
4	Vellanoor small Tank	9.28
5	Vellanoor Kandigai	6.91
6	Pothur Tank	8.69
	Sub-Total	**39.09**
	CLUSTER - 34	
1	Padiyanallur Tank	19.43
2	Marambedu Tank	12.91
3	Perungavur Tank	38.15
	Sub-Total	**70.49**
	CLUSTER - 35	
1	Thirunilai Tank	30.03
2	Vitchoor Tank	29.08

3	Periyamullaivoyal Tank	19.19
4	Sembiyam Manali Tank	27.80
5	Vellivoyal Tank	16.89
6	Sendrabakkam	4.63
7	Sirungavoor	10.00
	Sub-Total	**137.62**
	CLUSTER - 36	
1	Vazhuthigaimedu Tank	14.77
2	Gnayar Tank	57.10
3	Nerkundram Tank	30.09
4	Agaram Tank	14.68
	Sub-Total	**116.64**
	Package.16Total	**363.84**
	CLUSTER - 37	
1	Erumainaickan kuppam Tank	17.58
2	Vengal Tank	39.54
3	Ananthanakakkavakkam Tank	30.10
4	Nalur Large Tank	48.43
5	Nalur Small Tank	29.98
6	Minjur Tank	45.05
7	Kalpakkam Large Tank	41.86
8	Kalpakkam Small Tank	
9	Thottakadu Small Tank	14.39
10	Vellambakkam Large Tank	22.84
11	Vellambakkam Small Tank	15.55
12	Athipattu Thangal	19.70
	Total	**325.02**
	Package,17 Total	**325.02**
	CLUSTER - 38	
1	Merrattoor Tank	28.28
2	Thiruvellavoyal large & Small Tank	42.13
3	Kattur Tank	117.15
4	Thaththamanji Tank	79.92
5	Ebramapuram Tank	29.16
6	Voyalur Vairavan Thangal	10.33
7	Voyalur Chinna Thamarai	25.74
8	Voyalur Periathamarai	66.97
9	Voyalur Mamanikal Tank	78.40
10	Neidavoyal Small Tank	26.76
	Total	**504.84**
	Package 18 Total	**504.84**
	Grand Total	**7346.39**

Package 1 to 18 cost of Turfing, measuring device, Bedbar, demarcation stone

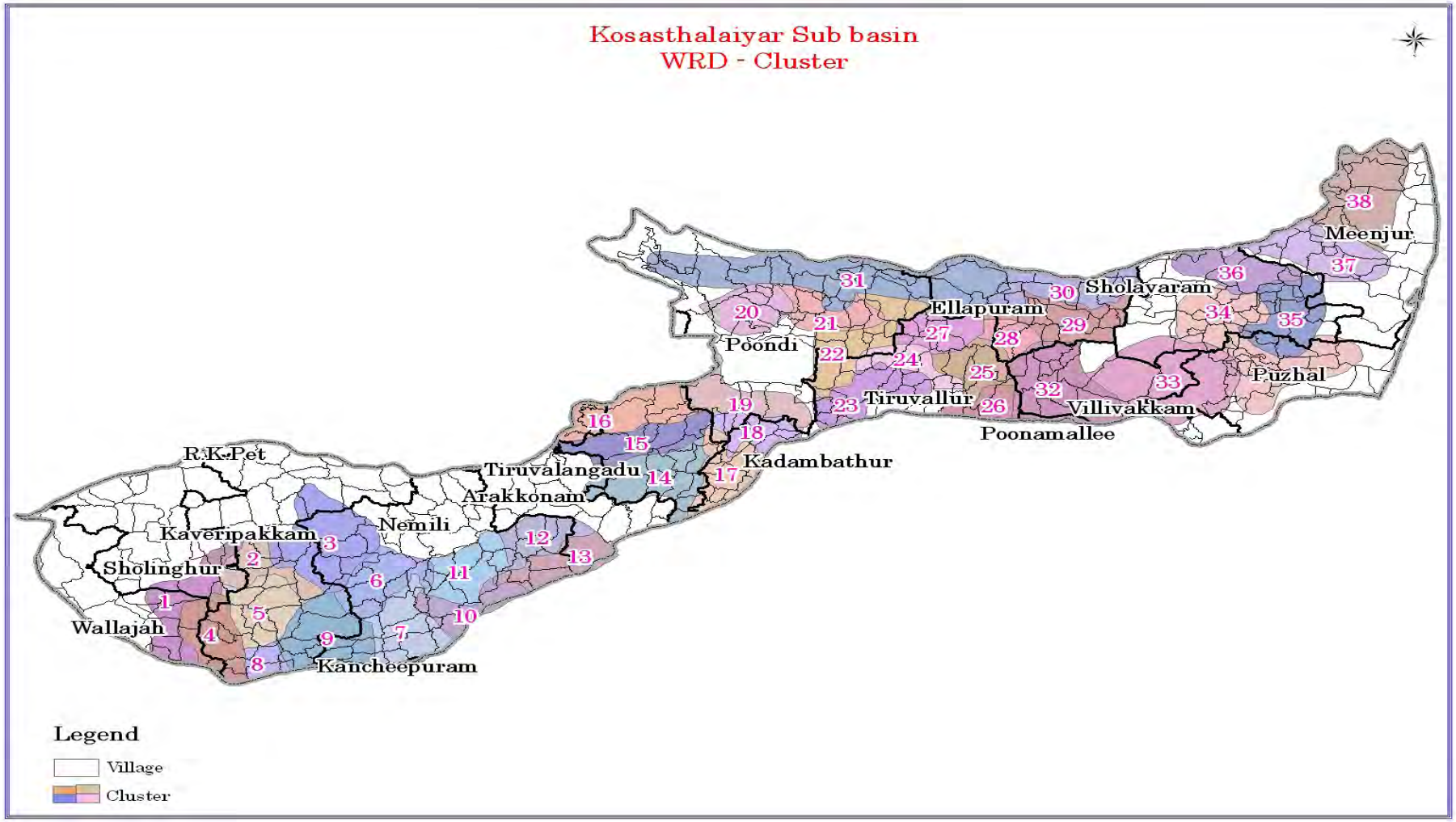
7644.17

25.20

7669.37

7669.37

DESIGN AND DRAWING


Kosasthalaiyar Sub basin
WRD - Cluster
Meenjur
Sholavaram
Ellapuram
Poondi
Puzhal
Tiruvallur
Villivakkam
Poonamallee
Kadambathur
Tiruvalangadu
Arakkonam
R.K.Pet
Kaveripakkam
Nemili
Sholinghur
Wallajah
Kancheepuram
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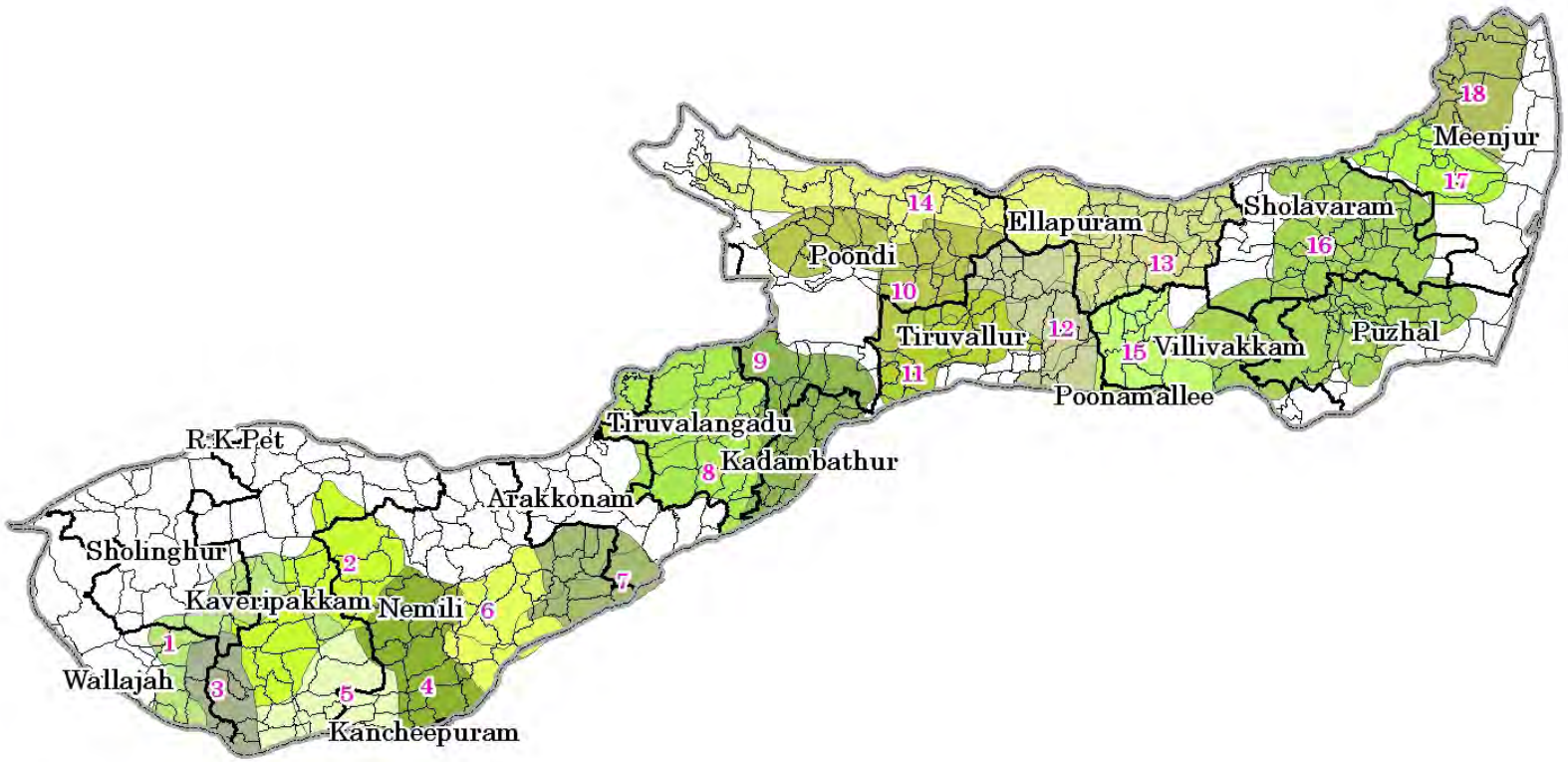
37
38
Legend
Village
Cluster

Kosasthalaiyar Sub basin
WRD - Packages

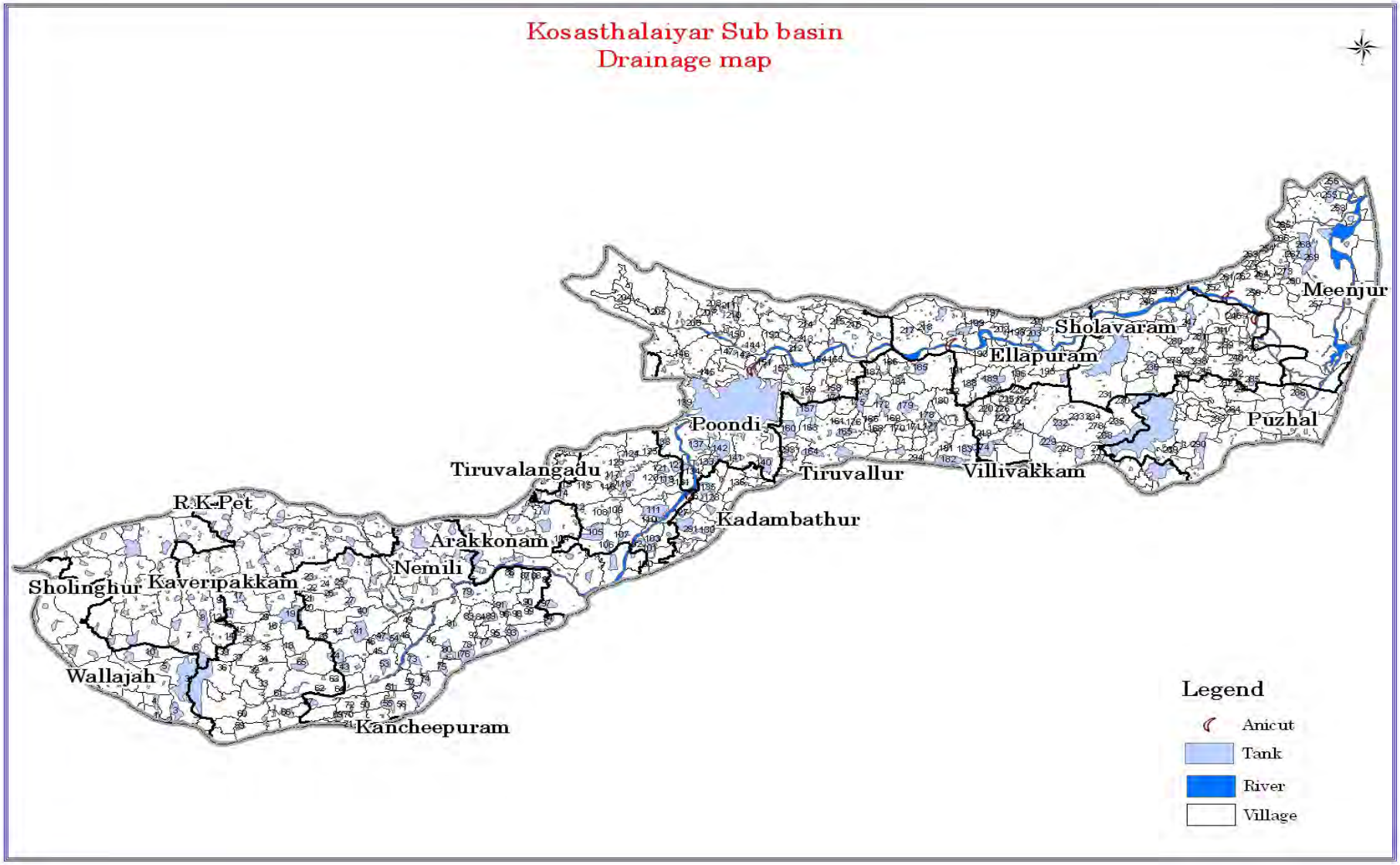


Legend

Village

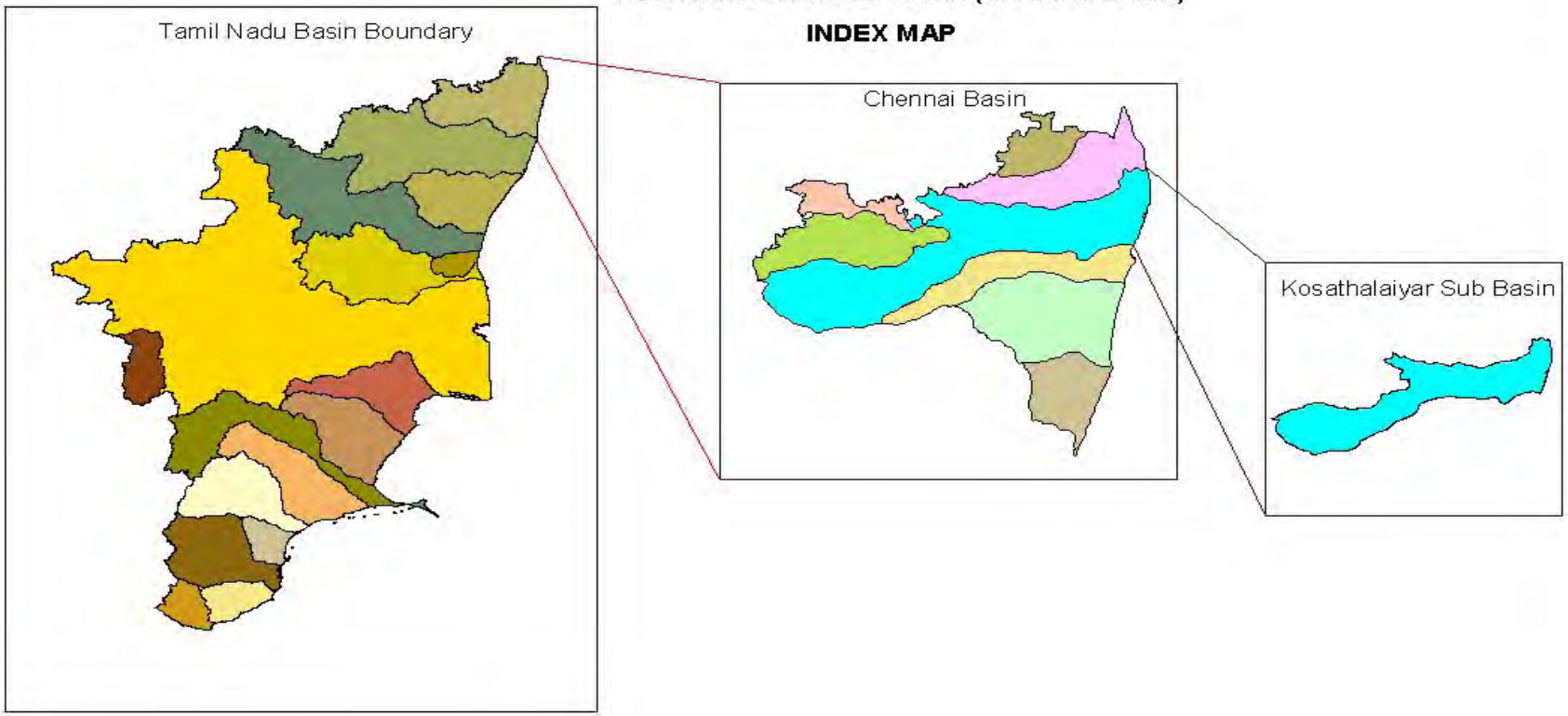
Package

Kosasthalaiyar Sub basin
Drainage map



KOSATHALAIYAR SUB BASIN (CHENNAI BASIN)

INDEX MAP



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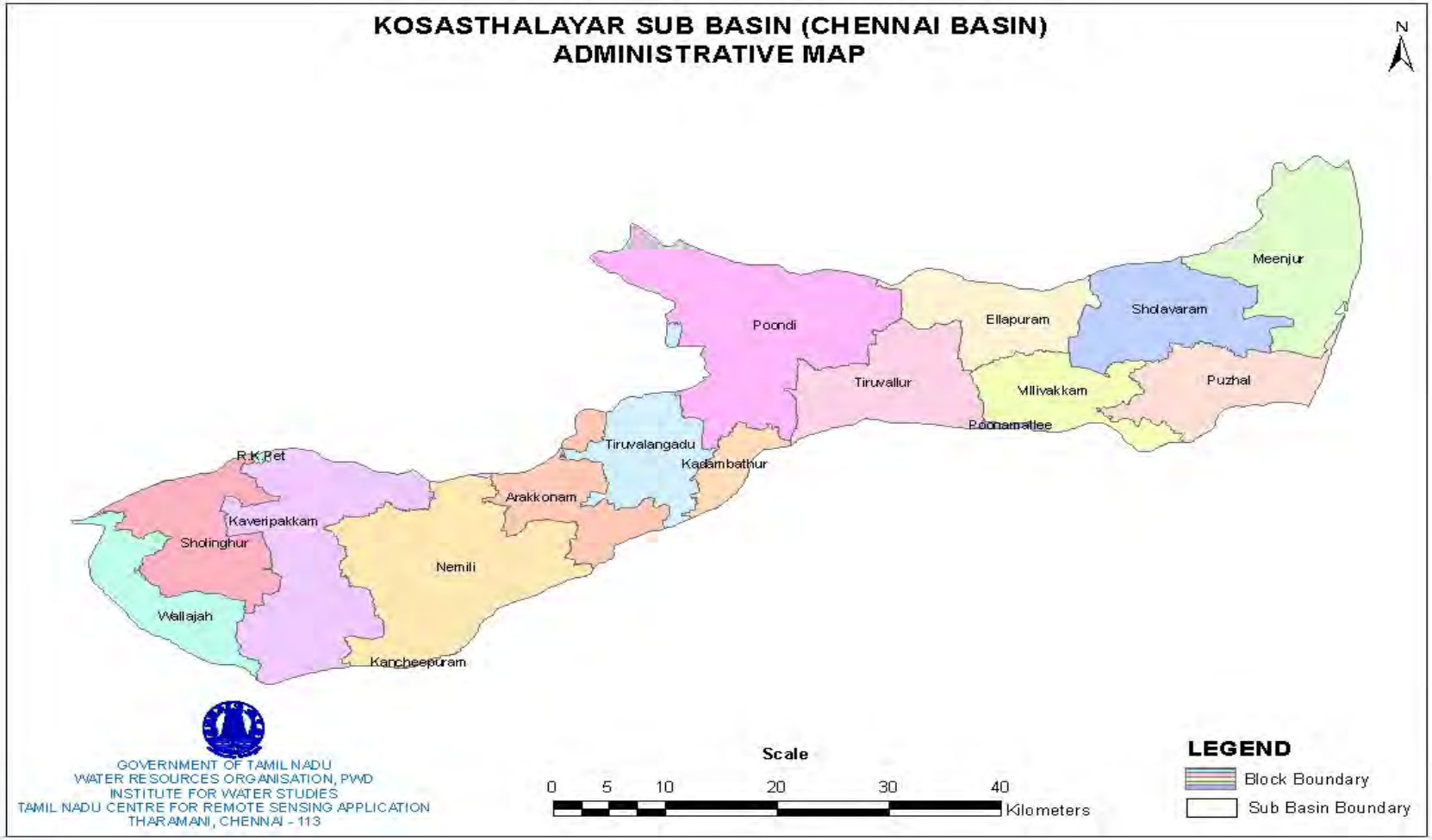
INSTITUTE FOR WATER STUDIES
TAMIL NADU STATE CENTRE FOR REMOTE SENSING APPLICATION
THARAMANI, CHENNAI - 113

KOSASTHALAYAR SUB BASIN (CHENNAI BASIN)
ADMINISTRATIVE MAP



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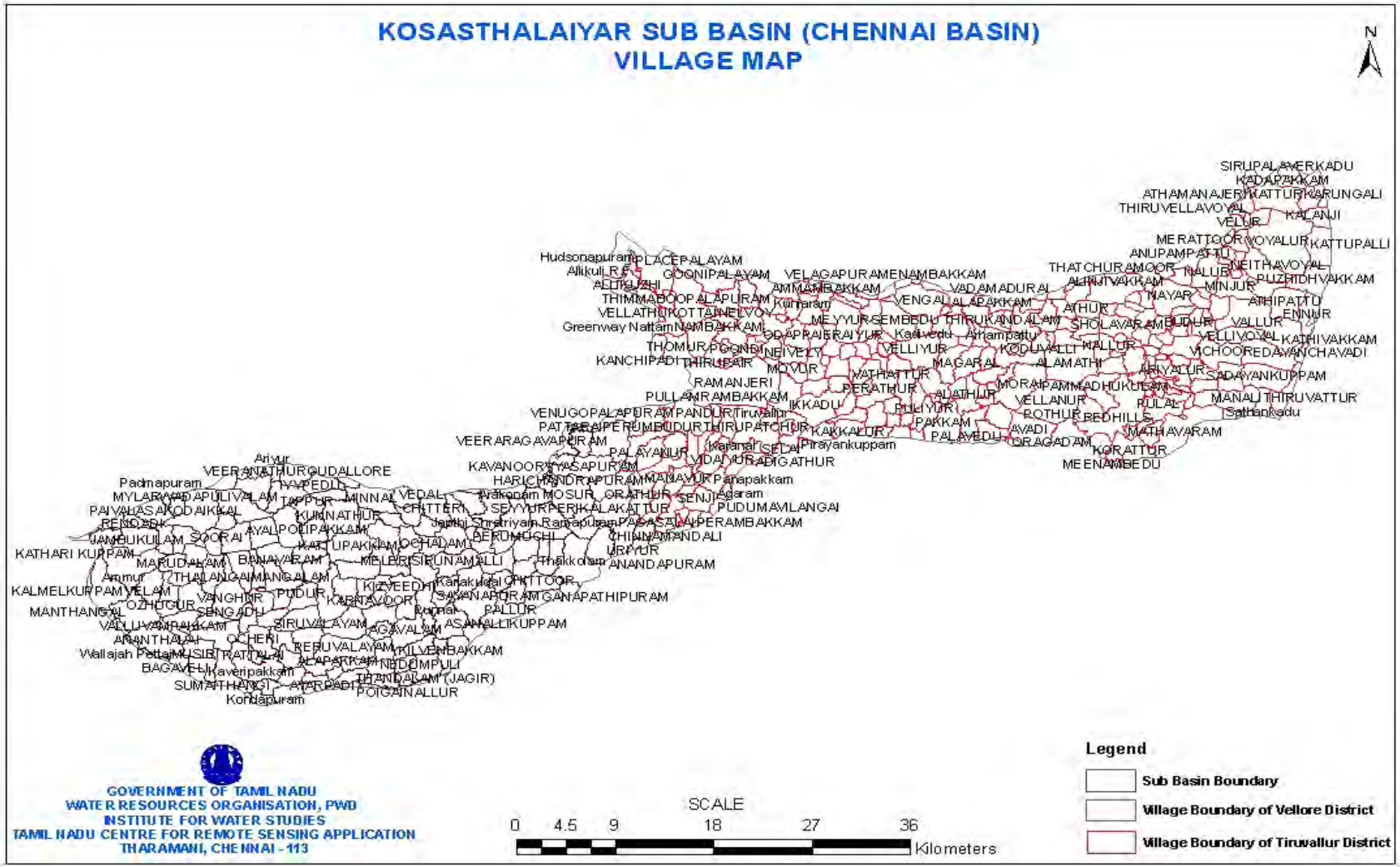
KOSASTHALAIYAR SUB BASIN (CHENNAI BASIN)
VILLAGE MAP



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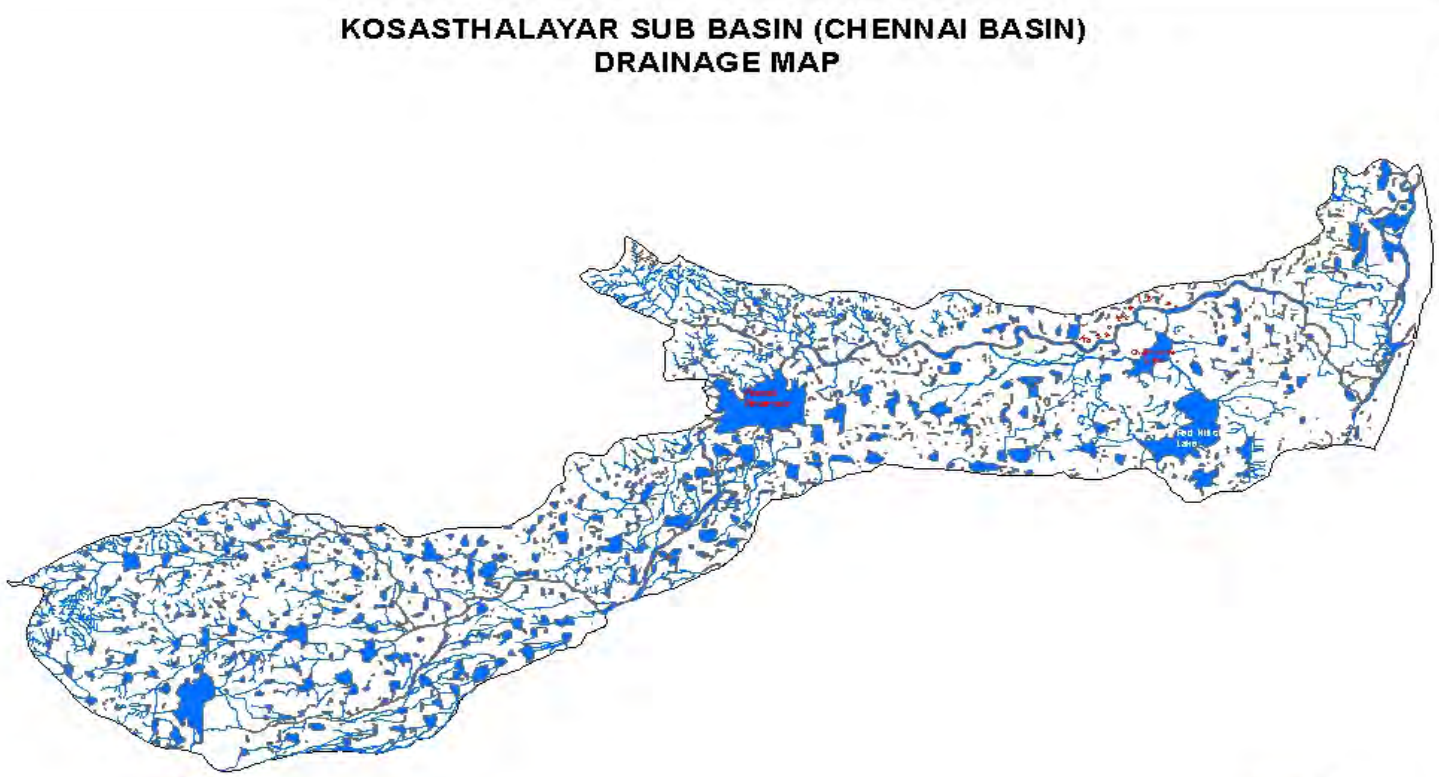
KOSASTHALAYAR SUB BASIN (CHENNAI BASIN)
DRAINAGE MAP



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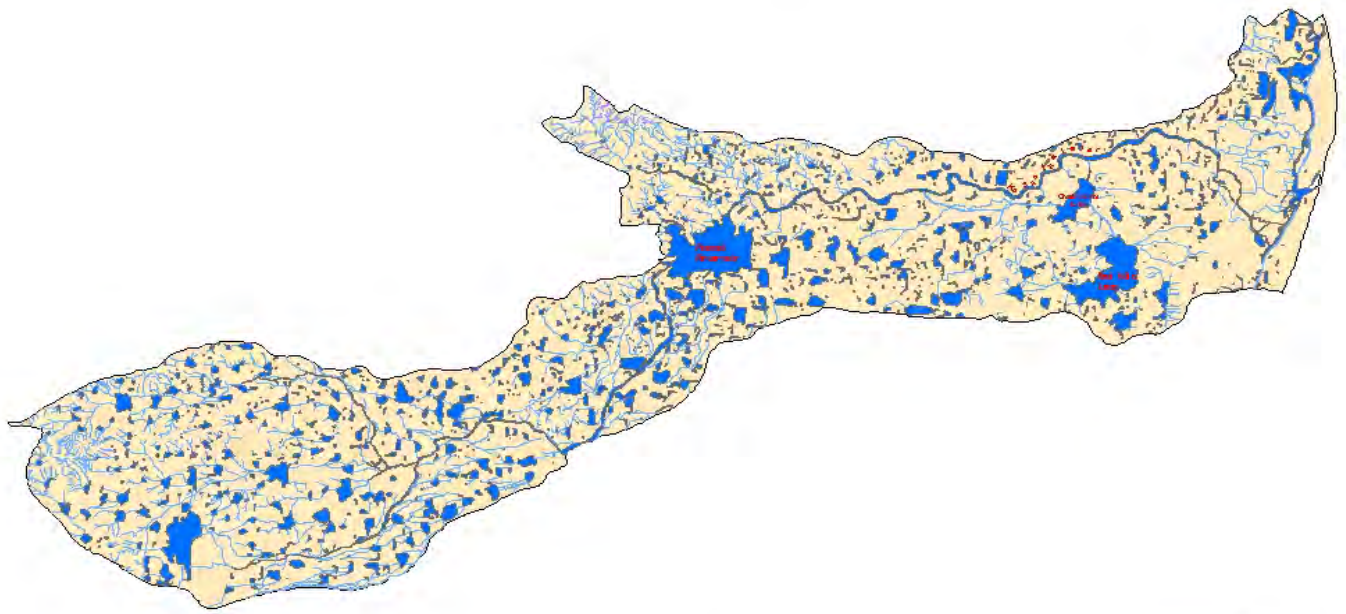
KOSASTHALAYAR SUB BASIN(CHENNAI BASIN)
IRRIGATION MAP



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THARAMANI, CHENNAI - 113

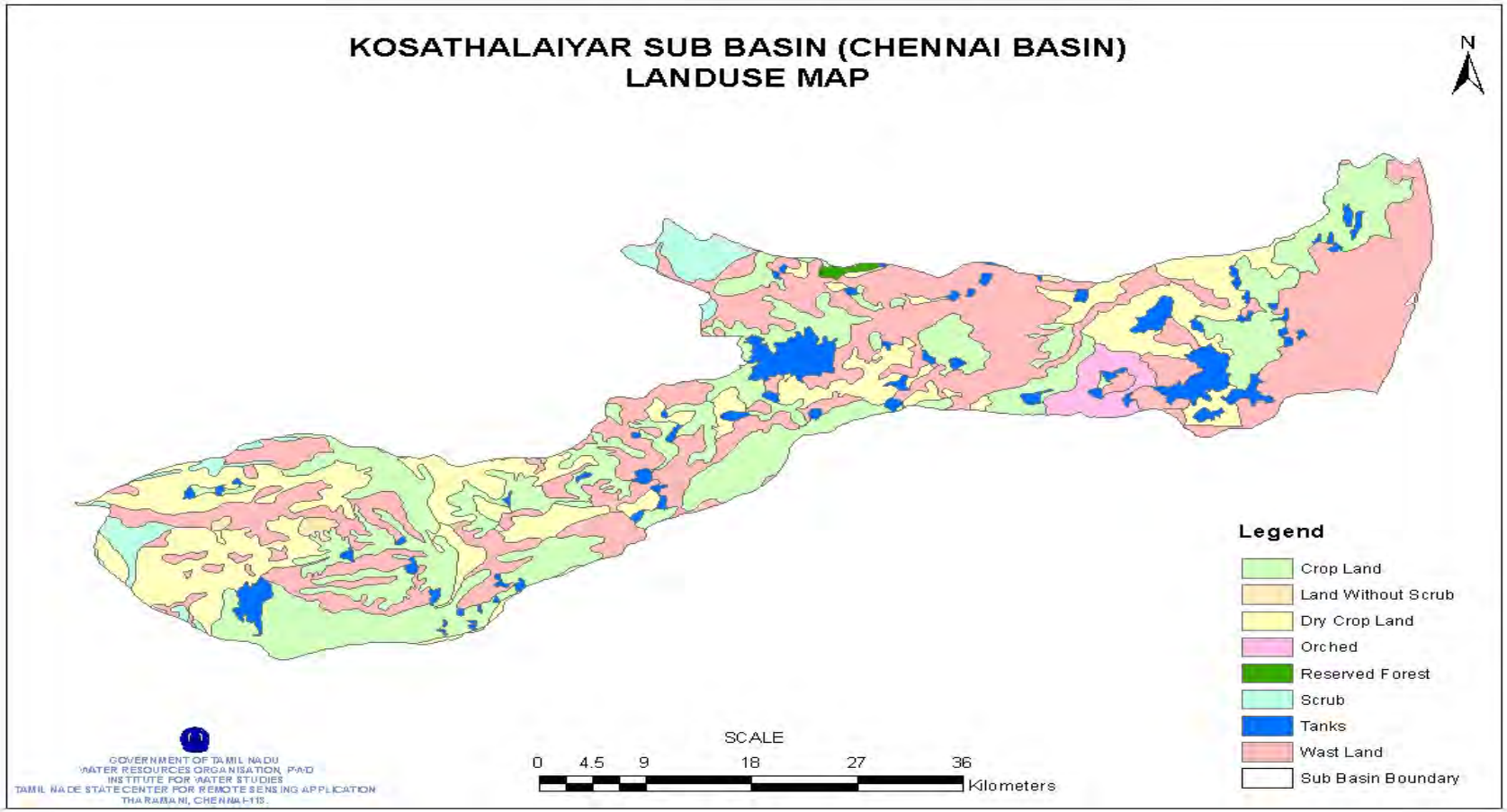
Scale

0 5 10 20 30 40 Kilometers

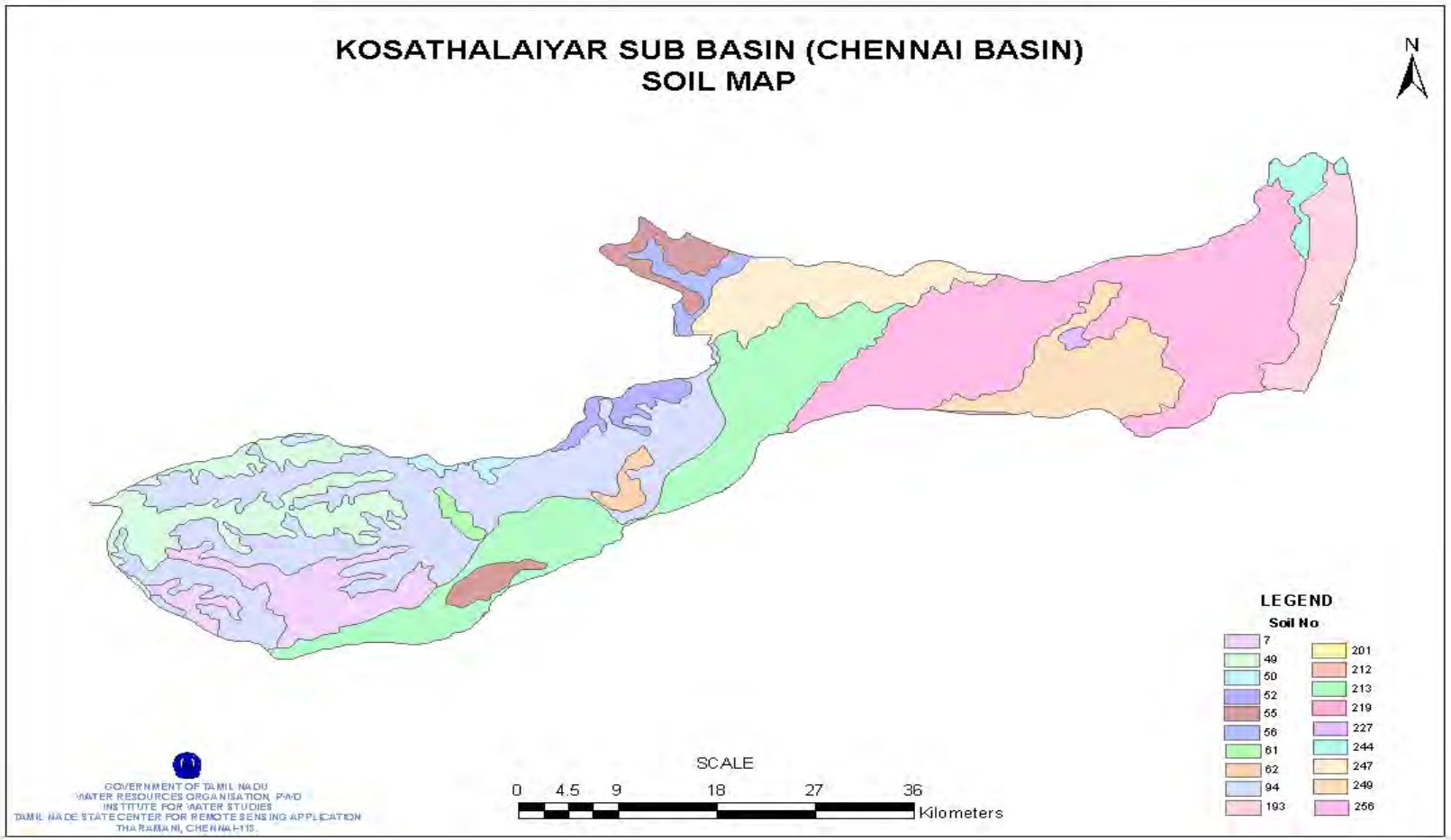
Legend

- Streams
- River / Tanks
- Sub Basin Boundary

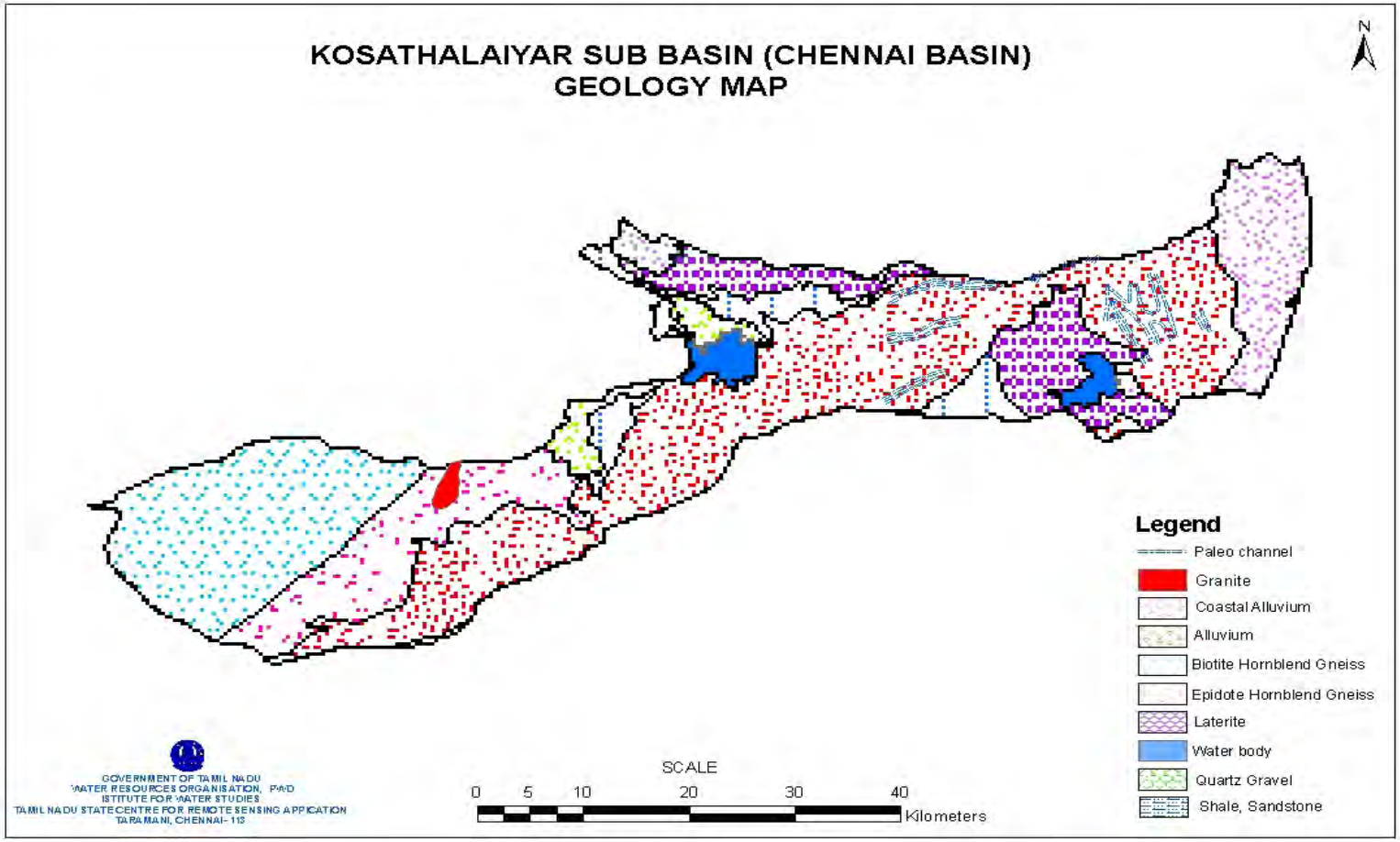
KOSATHALAIYAR SUB BASIN (CHENNAI BASIN)
LANDUSE MAP



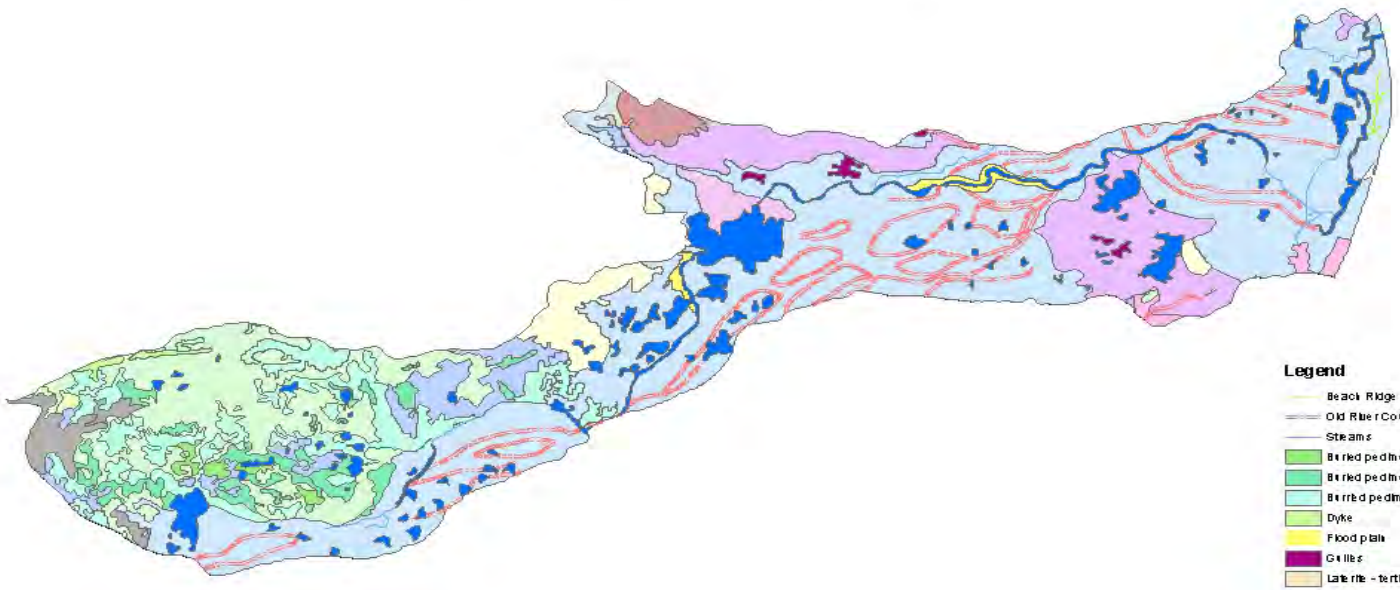
KOSATHALAIYAR SUB BASIN (CHENNAI BASIN)
SOIL MAP



KOSATHALAIYAR SUB BASIN (CHENNAI BASIN)
GEOLOGY MAP



KOSATHALAIYAR SUB BASIN (CHENNAI BASIN)
GEOMORPHOLOGY MAP



N

Legend

- Beach Ridge
- Old River Course
- Streams
- Buried pediment deep
- Buried pediment moderate
- Buried pediment shallow
- Dyke
- Flood plain
- Gullies
- Laterite - tertiary
- Pediment
- Quartz - graual tertiary
- River / Tank
- Tertiary upland
- clevanal city
- structural hill
- upper gondwana
- valley fill

SCALE

0 4.5 9 18 27 36

Kilometers

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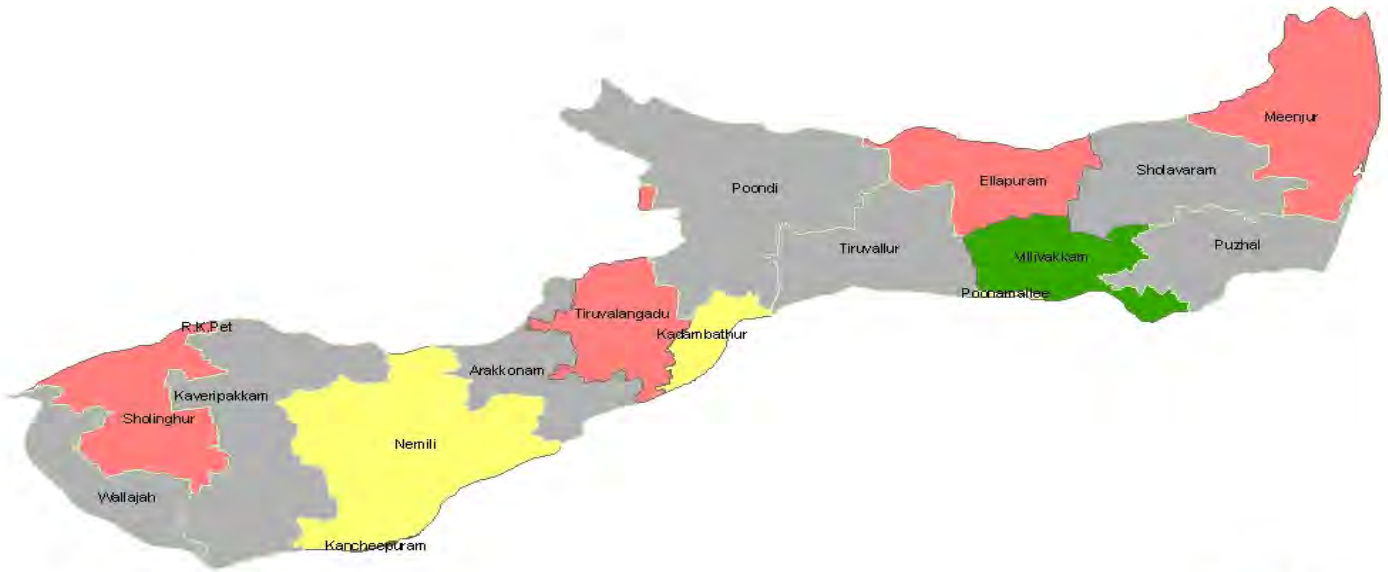
KOSASTHALAYAR SUB BASIN (CHENNAI BASIN)
CATEGORIZATION OF BLOCK MAP



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TAMIL NADU CENTRE FOR REMOTE SENSING APPLICATION
THARAMANI, CHENNAI - 113

Scale

0 5 10 20 30 40 Kilometers

Legend

- Safe
- Semi Critical
- Critical
- Over Exploited

019284

FROM,
Er. S. Rustham Ali B.E.,
Chief Engineer, PWD,
DR & CS, WRO,
Chepauk, Chennai-5.

TO
The Chief Engineer, PWD,
Chennai Region, WRO,
Chennai – 600 005.

Lr.No. 2s/ CE /SE(D) /A.E.E IX / EE(D) /IAMWARM/ Dated 18 .11.2009.

Sir,

Sub: IAMWARM – Rehabilitation of Anicuts, weirs, and retaining walls in Gomuki Nadhi, Gadilam and Kosasthalaiyar Sub-basins under III Phase – Approval of design calculations and drawings – guidelines issued - regarding.

Ref: (1) SE, PWD, Vellar Basin Circle, Cudallore, WRO, letter No. DB / F216 / IAMWARM / 2009 dated 10.11.2009.

(2) EE, PWD, Upper Palar Basin Division, WRO, Vellore – 6, letter No. AE(D) / F665 / 249m / dated 30.10.2009.

***

The SE, Vellar Basin circle, Cudallore, in the reference 1st cited has furnished a list of anicuts in Gomuki Nadhi and Gadilam Sub-basin, totally 64 nos., which are to be rehabilitated under IAMWARM project and has requested approval for the design for rehabilitation works.

The SE has listed the works to be carried out for each and every anicut. The SE has not furnished the site specific details of the anicut such as downstream channel / river conditions, the nature of foundation etc. etc.

Similarly, the EE, Upper Palar Basin Division, Vellore, in the reference 2nd cited has furnished estimates for rehabilitation of anicuts and weirs in Kosasthalaiyar sub basin, which are to be rehabilitated under IAMWARM project and has requested approval for the design for rehabilitation works.

On study of the above proposals, the rehabilitation works can be grouped into the following categories.

(i) Provision of skin wall for anicut body wall.

(ii) Repairs to downstream apron including downstream cut off.

(iii) Reconstruction of abutment and wing walls.

(iv) Reconstruction of anicut

Since the SE Vellar Basin Circle and EE, Upper Palar Badin Division have not furnished the exact site specific details of each anicut such as LS & CS of river, foundation condition etc., the following general guidelines are prepared and enclosed regarding the designs for the rehabilitation works.

(i) Provision of skin wall for anicut

It is stated that skin wall is proposed as per the drawings furnished by World Bank consultant which has been evolved based on the guidelines issued by the CE, DR&CS during '99 for WRCP works. Hence this may be followed.

(ii) Repairs to downstream apron and Reconstruction of anicut

A step by step procedure involved in the design of anicut founded on pervious strata and rocky strata is evolved and appended. In addition to that a typical design of anicut, along with the typical drawing of anicut on permeable foundation as well as on rocky strata are also enclosed for reference.

(iii) Reconstruction of abutment and wings

Guidelines issued in E-in-C circular no. S7(4) / 40361 – 2006 T-Cell dated 24.04.2007 regarding the design of retaining wall may be followed. (copy enclosed) for ready reference.

Considering the huge volume of work, I request that the field engineers may be instructed to follow the above guidelines and finalise the design at their end itself to suit the site requirements.

Enclosure: 1. Step by step procedure for design of anicut

2. Typical designs of anicut

3. Typical cross section of anicut – 2 Nos.

4. Guidelines for design of retaining walls.

For Chief Engineer, PWD,

DR&CS, WRO, Chepauk, Chennai – 5.

Endt Nos: 0TC(2)/ARI(N)/IAMWARM/2009 dt 26/11/09.

Copy with enclosure to the Executive Engineer (i) Kosasthalaiyar Basin Division, Thiruvallur 2) Vellar Basin Division, Virudhachalam for necessary action.

M. Kalil 26/11/09
for Chief Engineer,
Chennai Region.

26/11/09.

Copy to the SEs / Palar & Vellar Basin circles for info.

Steps involved in the design of ANICUT.

1. Computation of Bed slope.
2. Computation of RWL
3. Computation of FMWL
4. Stability of body wall
5. Determination of scour depth
6. Energy Dissipation arrangements

    Surface flow condition
    Sub-surface flow condition
    D/s protection works.
7. Design of abutments, wing walls and returns
8. Computation of back water profile.

1. Computation of Bed slope:

The average bed slope of the river is determined from the L.S. of the river.

2. Determination of Rear Water Level

This is the first and most important step in the design of a barrage or weir. as the calculation that follow depend on the rear water level. Hence this should be accurately assessed.

The rear water level is to be calculated based on Manning's equation by area slope method as detailed below.

$Q = AV$

where V= velocity of flow

$= 1/n * R^{(2/3)} \; s^{(1/2)}$

where n is the rugosity coefficient

R is the h*ydraulic* mean depth of flow =area /wetted perimeter of the channel
S is the slope of the channel bed.

The value of rugosity coefficient for different type of soils is available in IS. Generally a value of 0.025 is adopted.

The average slope of the river is determined from the LS of the river. The area of flow and wetted perimeter is determined for an assumed Rear Water level at a cross section at the downstream side. This is checked with the maximum flood discharge . By trial and error can be determined.

3. Computation of FMWL:

This can be determined from the discharge formula, corresponding to the shape of the crest and the RWL condition.

4. Stability of body wall:

A section has to be assumed for the body wall portion and the stability of the body wall is checked for the following conditions:

1. Empty without Earthquake
2. Water at MWL, with tailwater with uplift
3. Water at FRL, no tail water with uplift.
4. U/s side fully silted and no silt at D/s side.

The section to be so proportioned such that no tensile stresses are developed at the bottom of the body wall.

5. Scour depth computation:

Regime width $P = 4.83 (Q)^{0.5}$

Where Q = Design flood

Looseness factor = Existing overall length/ Regime width

If the Looseness factor is > 1, then

Normal Scour depth $R = 0.475(Q/f)^{1/3}$

f = silt factor

If the Looseness factor is < 1, then

Normal Scour depth $R = 1.35 (q^2 / f)^{(1/3)}$

where q = unit discharge = Q/L

Silt factor for different soils (Ref IS : 7784 (Part – I) – 1975)

S.No.	Type of soil	Particle size in mm	Value of "f"
1.	Very fine silt	0.052	0.4
2.	Fine silt	0.120.120	0.6
3.	Medium silt	0.233	0.85
4.	Standard silt	0.328	1.00
5.	Medium sand	0.508	1.25
6.	Coarse sand	0.725	1.50
7.	Fine sand	0.988	1.75
8.	Heavy sand	1.290	2.00
9.	Gravel medium	7.250	4.75
10.	Gravel heavy	26.100	9.00
11.	Boulders small	50.000	12.00
12.	Boulder Medium	72.500	15.00
13.	Boulder Large	188.800	24.00

Design Scour depth for U/s side = 1.0 R

Design Scour depth for D/s side = 1.25 R

U/s scour level = FMWL – Design scour depth

D/s scour level = RWL – Design scour depth

6. Energy dissipation arrangements

DESIGN OF STRUCTURE ON PERMEABLE FOUNDATION
Surface flow condition:

Determination of basin level and basin length.
Steps involved:

- Compute the U/s and D/s Total energy levels
- Compute the Head loss
- Compute the velocity of flow after the jump V_2 for the assumed depth of D_2 ie $V_2 = q/ D_2$
- Compute D/s specific energy $E_{f2} = D_2 + V_2^2/2g$
- Compute Froude number $F_2 = V_2 / (gD_2)^{0.5}$
- Compute $D_1 = D_2/2 (-1+ (1+8F_2^2)^{0.5})$
- Compute the Velocity at toe $V_1= q/D_1$
- Compute Froude number $F_1 = V_1 / (gD_1)^{0.5}$
- Compute U/s specific energy $E_{f1} = D_1 + V_1^2 / 2g$
- Equate $E_{f1}- E_{f2}$ = Head Loss
- Level at which jump would form = D/s T.E.L - E_{f2}
- Length of stilling basin $= 5*(D_2- D_1)$

Basin level should be lower than the level at which jump would form.
The total length of floor required forthis condition should be arrived.
The length of floor required under this condition shall be computed as detailed below.

$$Ge = \frac{H * 1}{D \quad \pi\lambda}$$

Where Ge = Exit gradient of bed material

Type of soil	Ge
Shingle	¼ to 1/5
Coarse sand	1/5 to 1/6
Fine sand	1/6 to 1/7

H = Static head (difference between the crest level of the anicut and the D/s bed)

D = Depth of cutoff

$\lambda = \{1 + (1+\alpha^2)^{(1/2)}\}/2$

α = b/d

'b = α * d

' b = Total floor length

The length of floor adopted should be the maximum of the two values.

Sub-surface flow condition:

For U/s pile:

Total length of floor : b

Depth of U/s cutoff : d

α = b/d

$\lambda = (1 + \sqrt{1 + \alpha^2}) / 2$

$\phi_E = 1 / \pi * \cos^{-1} ((\lambda - 2)/\lambda)$

$\phi_D = 1 / \pi * \cos^{-1} ((\lambda - 1)/\lambda)$

$\phi_{C1} = 100 - \phi_E$

$\phi_{D1} = 100 - \phi_D$

$\phi_{E1} = 100$ %

Corrections for ϕ_{C1}

Corrections for Mutual Interference of pile

$= 19 \sqrt{((D/b')(d+D)/b)}$

D = Depth of pile no.2 (Bottom of U/s bed – Bottom of D/s pile)

d = Depth of pile no.1 (Bottom of U/s bed – Bottom of U/s pile)

b' = Distance between two piles

b = Total length of floor

Correction due to thickness = ($\phi_{D1} - \phi_{C1}$) / depth of pile * Thickness of floor

For D/s pile

$\phi_E = 1 / \pi * \cos^{-1} ((\lambda - 2)/\lambda)$

$\phi_D = 1 / \pi * \cos^{-1} ((\lambda - 1)/\lambda)$

$\phi_{C2} = 0$

$\phi_{E2} = \phi_E$

$\phi_{D2} = \phi_D$

Correction for ϕ_{E2}

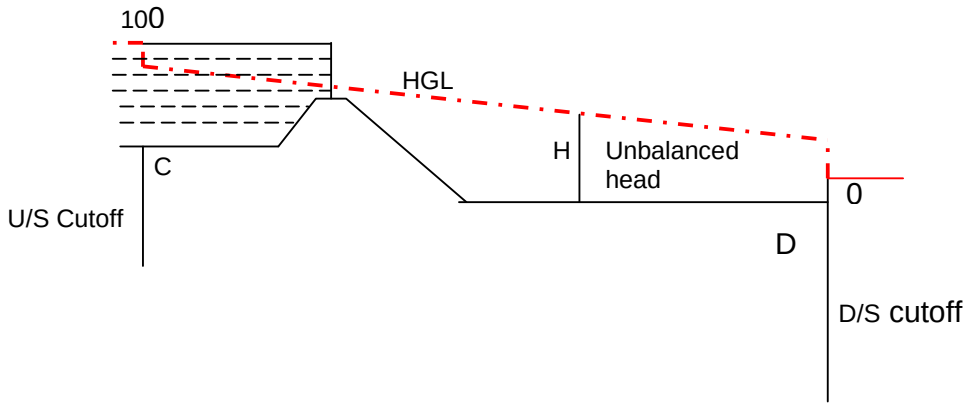
Mutual interference of pile $= 19 \sqrt{((D/b')(d+D)/b)}$

Where D = Depth of pile no.1 (Bottom of D/s bed – Bottom of U/s pile)

d = Depth of pile no.2 (Bottom of D/s bed – Bottom of D/s pile)

Correction for floor thickness = ($\phi_{E2} - \phi_{D2}$) / depth of pile * Thickness of floor

U/S water Level	D/S water Level	Un-balanced Head	**Elevation of HGL**					
			Pile1			Pile2		
			ϕ_{E1}	ϕ_{D1}	ϕ_{C1}	ϕ_{E2}	ϕ_{D2}	ϕ_{C2}



7.Design of D/s protection works.

Downstream block protection:

The likely extent of scour at downstream of impervious floor = 1.75R to 2.25R

Scour level = RWL – 1.75R to 2.25R

Scour depth below the floor level D = Bed level – Scour level

Length of block protection required = 1.5 D

Downstream Launching apron:

Length of launching apron 'l' = 1.5D to 2.5D

Adopt the thickness of pitching from Table 29 of IS 6966-1989 and slope of launching from clause 20.3.3 of IS 6966-1989

Compute the length of launching:

Total quantity of stones required Q = 1.25 T x launching length

Compute the quantity of stone required for thickness T (q) = T x launching length

Inner thickness of apron 't' = q/l

Balance quantity of stone = Q – q

Thickness of Wedge t' = (Q – q)/0.5l

Outer thickness = t + t'

DESIGN OF STRUCTURE ON ROCKY BED

The stilling basin and basin length should be arrived for surface flow condition only. A minimum thickness of 0.3m in M20 concrete should be provided for basin floor. The basin should be founded on the rocky bed. Filling concrete in M15 shall be provided to fill up the gap between the rock level and the proposed basin level if necessary. At the end of basin a RCC baffle wall to a minimum thickness of 0.6m with proper anchorage within the rock should be provided. Beyond the basin protection arrangements such as CC blocks, launching apron shall be provided for a design scour depth of 1R instead of 1.75R to 2.25R as in the case of permeable foundation.

Anchor bars of 25mm diameter at 3m c/c in a staggered manner anchored into the rock to a depth of 1.50m shall be provided in the basin portion.

DESIGN OF CHECK DAM ON PERMEABLE FOUNDATION

Slope of the river:

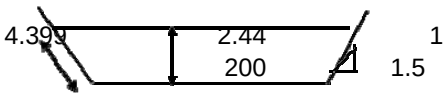
Considering LS 1000m U/s to LS 1000m D/s

D/s Bed Level of Surutapalli anicut @ LS 65.20km =		47.5	m
U/s Bed Level of Palleswaram anicut @ LS 93.60km =		20.3	m
Difference in level	=	27.2	m
Distance between the structures		28.4	km
Bed Slope	=	0.000958	
	1 in	1044.118	
Adopt a bed slope of say	**1 in**	**1100**	

Determination of RWL

The RWL calculated for the existing cross section of the river works out to +33.40m
The bank levels at the location of the proposed check dam are lower than +33.4
Therefore, the RWL is claculated for a formed section fixing the downsteam bed level as +30.5m
The river bed is proposed to be regraded throughout fixing the downsteam bed level of +30.5m

Bed slope			1 in	1100			
Max Flood Discharge				1066.119	Cumecs	37650	Cusecs
Bed width				200	m		
Side Slope				1.5	H V	1	
Rugosity co-eff				0.025			
Bed fall				1	in	1100	
			=	0.000909			
Deepest bed level				30.5			
FSD (Assumed)				2.44	m		
Area	496.9304	sqm					
Wetted perimetre	208.798	m					
Hydraulic mean depth	2.379958						
Velocity	2.1499	m/sec			207.32		
Discharge	1068.351	cumec					



1068.3507	cumecs	>	1066	Cumecs
37723.46322	Cusec			

Hence RWL = 30.5+2.44 = 32.94m

Fixing the FMFL

Design Discharge		:	**1066.12**	m^3/sec	37650
Crest Level		:	31.700	m	c/s
Bed level		:	30.5	m	
Assume FMFL		:	**33.63**	m	
RWL (calculated from the c/s of river)		:	32.94	m	
Height of weir	=(31.7-30.5)	:	1.20	m	
Head over crest		:	**1.930**	m	
		P/h =	**0.62**		
	P/h<1.33 therefore consider effect due to velocity of approach				
Va=Q/A	1066.119/(200*(1.2+1.93))	:	1.7	m/s	
hv=head due to vellocity of approach	$Va^2/2g$	:	**0.15**		
Effective head =	$He = Ho + Va^2/2g$	:	**2.08**		
Total length of structure between abutments			200	m	
Length of anicut portion			200	m	

Discharge over the check dam - The check dam functions as a NC Weir

$Q = Q_1 + Q_2$ where

$Q_1 = 2/3*C_{d1}*(2g)^{(0.5)}* B*\{(h+hv)^{(3/2)}-hv^{(3/2)}\}$ free weir equation
drowned weir equation

Cd_1			0.625	
Cd_2			0.8	
h =	FMFL - RMFL		0.69	m
hv=			0.15	
B =	Clear water way		200	m
h_1 =	depth of d/s water level above crest		1.24	m
Q_1 =	2/3* 0.625 * (2*9.81)^(0.5) * 200* {(0.69+0.15)^(3/2) -0.15^(3/2)}=		261.938845	m^3/sec
$Q_{2=}$	0.8 *(2*9.81 * (0.69+0.15))^(0.5) *200 * 1.24 =		804.139455	m^3/sec
Total discharge over check dam			1066.0783	m^3/sec

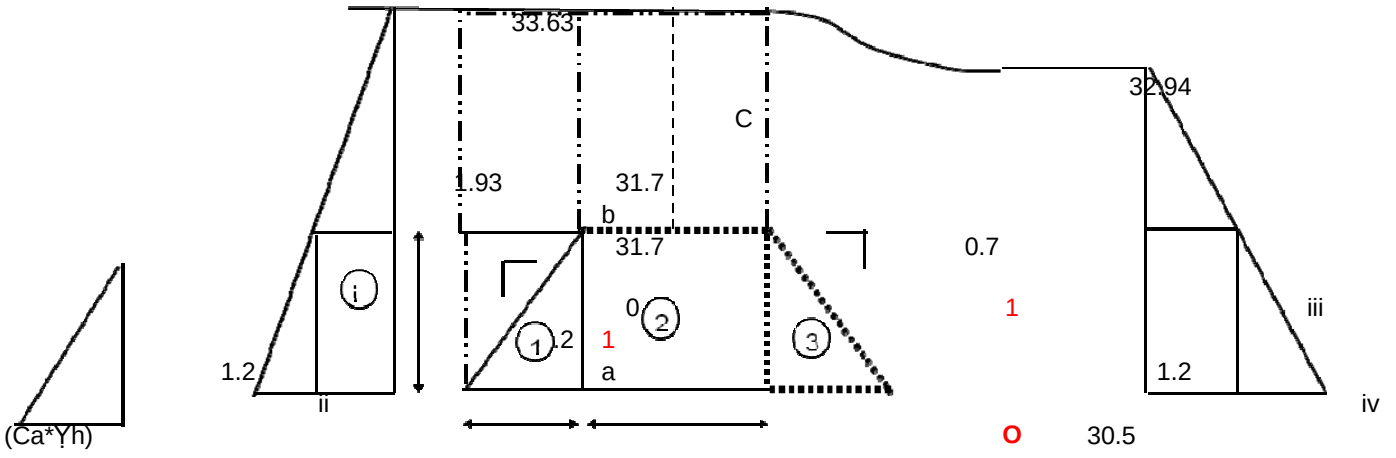
Total Discharge through scour vents and over check dam	1066.08	m^3/sec
Design Discharge	1066.12	m^3/sec

Stability Analysis of Check Dam
HYDRAULIC PARTICULARS

Maximum flood discharge		1066.119	m3/sec	37650	c/s
Top of crest	+	31.7	m		
FMFL	+	33.63	m	102.92	
RWL	+	32.94	m	102.00	
Upstream bed level	+	30.5	m		
Downstream Bed level	+	30.5			
Head over Crest		1.93			
Down stream side slope		0.7	H to 1 V		
Upstream side slope		0	H to 1 V		
Top width		1.2	m		
1.5times Hd		2.895			
Unit weight of silt(saturated)		2	t/m3		
Unit weight of silt(submerged)		1	t/m3		
Angle of internal friction		22	degrees		
Ca		(1-SIN(ϕ)) / (1+SIN(ϕ))			
Ca	=	0.455			

The stability of body wall of the anicut was checked for the following conditions

1 Reservoir empty withoutEQ
2 Reservoir at MWL,with tailwater with uplift 1.608333
3 Reservoir at FRL, no tail water with uplift
4 Reservoir with silt



Stability analysis: **1.Reservoir empty without EQ**

SLNO	DESCRIPTION				FORCE		L.A	MOMENT	
	Coefficient	length	depth	Unit wt.	V	H	+	+	-
Weight of masonry									
1	0.5	0.000	1.200	2.4	0		2.04	0	
2	1	1.2	1.200	2.4	3.456		1.44	4.97664	
3	0.5	0.84	1.200	2.4	1.2096		0.56	0.677376	

				ΣV=	**4.6656**			**5.654**	**0**
							ΣM=	5.654016	

Base width= 2.040

X= ΣM / ΣV = 1.211852

e = b/2-X 0.191852

6e/b= 0.56427

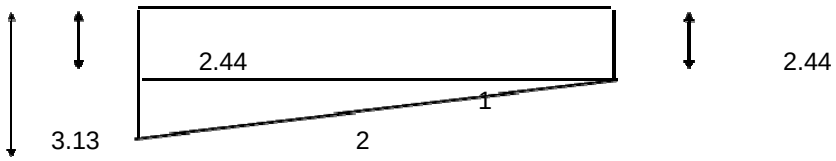
Maximum stress = ΣV/b*(1+6e/b)

= **3.5776** T/m^2

Minimum stress = ΣV/b*(1-6e/b)

= **0.9965** T/m^2

2.Reservoir at MWL, with tailwater, weir with uplift



SLNO	DESCRIPTION				FORCE		L.A	MOMENT	
	Coefficient	length	depth	Unit wt.	**V**	**H**		**+**	**-**
Weight of masonry									
1	0.5	0.000	1.200	2.4	0		2.04	0	
2	1	1.2	1.200	2.4	3.456		1.44	4.97664	
3	0.5	0.84	1.200	2.4	1.2096		0.56	0.677376	
weight of water									
a	0.5	0.000	1.2	1	0		2.04	0	
b	1	0.000	1.930	1	0		2.04	0	
c	1	0.600	1.930	1	1.158		1.74	2.01492	
Water Pressure									
i	1	1.93	1.2	1		2.316	0.6		1.3896
ii	0.5	1.2	1.2	1		0.72	0.4		0.288
Uplift Pressure									
1	1	2.040	2.44	1	-4.9776		1.02		5.077152
2	0.5	2.040	0.69	1	-0.7038		1.36		0.957168
				ΣV=	**0.1422**		ΣM=	**7.6689**	**7.7119**
							ΣM=	**0.043**	

Base width= 2.040

X= ΣM /ΣV = 0.302278

e = b/2-X 0.717722

6e/b= 2.110946

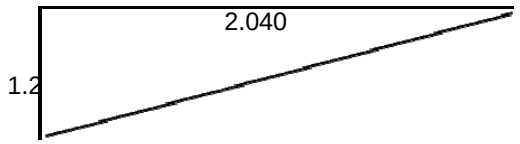
Maximum stress = ΣV/b*(1+6e/b)

= **0.2169** T/m^2

Minimum stress = ΣV/b*(1-6e/b)

= **-0.077** T/m^2

3.Reservoir at FRL, no tailwater, with uplift condition



SLNO	DESCRIPTION				FORCE		L.A	MOMENT	
	Coefficient	length	depth	Unit wt.	**V**	**H**		**+**	**-**
Weight of masonry									
1	0.5	0.000	1.200	2.4	0		2.04	0	
2	1	1.2	1.200	2.4	3.456		1.44	4.97664	
3	0.5	0.84	1.200	2.4	1.2096		0.56	0.677376	
weight of water									
a	0.5	0.000	1.2	1	0		2.04	0	
Water Pressure									
i	0.5	1.2	1.2	1		0.72	0.4		0.288
uplift pressure									
	0.5	2.040	1.2	1	-1.224		1.36		1.66464
				ΣV=	**3.4416**		ΣM=	**5.654**	**1.9526**

Base width= 2.040

X= ΣM /ΣV = 1.075481

e = b/2-X 0.055481

6e/b= 0.16318

Maximum stress = ΣV/b*(1+6e/b)

= **1.9624** T/m^2

Minimum stress = ΣV/b*(1-6e/b)

= **1.4118** T/m^2

Stability analysis: **4.Reservoir with silt**

SLNO	DESCRIPTION				FORCE		L.A	MOMENT	
	Coefficient	length	depth	Unit wt.	**V**	**H**	**+**	**+**	**-**

Weight of masonry		-							
1	0.5	0.000	1.200	2.4	0		0	0	
2	1	1.2	1.200	2.4	3.456		1.44	4.97664	
3	0.5	0.84	1.200	2.4	1.2096		0.56	0.677376	
Silt Pressure									
	0.5	1.092	1.2			0.6552	0.4		**0.2621**
uplift pressure									
	0.5	2.040	2.040	1	-2.0808		1.36		2.829888
				ΣV=	**2.5848**			**5.654**	**3.092**
							ΣM=	2.562048	

Base width= 1.962

X= ΣM / ΣV = 0.991198

e = b/2-X 0.010021

6e/b= 0.030641

Maximum stress = ΣV/b*(1+6e/b)

= **1.3576** T/m^2

Minimum stress = ΣV/b*(1-6e/b)

= **1.2768** T/m^2

Design of Permeable Foundation

Surface Flow Condition

Design Data:

Top of check dam			31.7	m		
Rear Water Level =			32.94	m		
MWL			33.63	m		
Maximum Flood Discharge	=		37650	c/s	= 1066.12	Cumecs
Anicut Discharge	=		37650	c/s	= 1066.12	cumecs
Average Bed level / U/s bed level			30.5	m		
D/S bed level			30.5	m		
Total width of river			200	m		
Length of check dam			200	m		
Concentration factor			20	%		
Exit gradient 1 in	5		0.200			
Floor thickness at D/S end			1	m		
Floor thickness at U/S floor			0.6	m		
Thickness of Cut off wall			0.6	m		
Depth of water at D/S			2.44	m		
Depth of rear water			2.44	m		
Depth of u/s water			1.2	m		
Head over crest			1.93	m		

Design of structure for surface flow considerations:

Total width of weir = 200 m

Discharge intensity/Unit discharge = q = 1066.119 / 200

q = 5.3306 m^3/s/m

Regime Width:

Regime width R

=4.83√ Q = 4.83 X sqrt (1066.119)

= 157.7067 m

say 157.8 m

Looseness factor

= Existing Over all length / Regime width

= 200 / 157.8

= 1.2674271 **>** 1

Hence, the scour depth may be calculated as follows

Scour depth:

Assume silt factor 1.25

Scour depth (R) =

= 0.475 (Q / f) ^(1/3)

= 0.475 X (1066.119 / 1.25)^(1/3)

Normal Scour depth (R) = 4.50463 m

= **4.505** m

Energy level:

Depth of water in front of weir	3.13	m
Scour Depth	4.505	m

Velocity of approach (V_a) = Q/R

= 1066.119 / (200 x (4.505))

= 1.18 m/sec

Velocity head (h_{va}) = $V_a^2/2g$ = 1.183^2 / (2 X 9.81)
0.0713297 m
say 0.071 m

U/S Energy Line(U/S E.L) = U/S F.S.L + h_{va}
= 33.63 + 0.071
U/S EL = 33.701 m

V_d = 2.15 m / sec (From RWL calculation)
D/s velocity (V_d) = 2.15 m/sec

Velocity head (h_{vd}) = $V_d^2/2g$ = 2.15^2 /(2 X 9.81)
0.2356014 m
say 0.236 m

D/S Energy Line (D/S E.L) = D/S W.L + h_{vd}
= 32.94 + 0.236
= 33.176 m

Head loss (H_L) = U/S E.L - D/S E.L
= 33.701 - 33.176
= 0.525 m

2.Fixation of Stilling basin level:

Hydraulic jump calculations:

Sl.No.	Item	High flood condition with out concentration and retrogression	
1	Discharge intensity (q)	5.331	m^2/sec
2	D/S Water level in m	32.940	m
3	U/S Water level in m	33.630	m
4	D/S Total Energy Level (D/S E.L) in m	33.176	m
5	U/S Total Energy Level (U/S E.L) in m	33.701	m
6	Head Loss (H_L) in m	0.5250	m
7	Postjump Depth D_2 (Assume)	**2.355000**	m
8	Velocity (V_2) = q / D_2 = 5.331 / 2.355	2.264	m/sec
9	D/S specific energy E_{f2} $E_{f2} = D_2 + V_2^2/2g$	2.616	m
10	Froude's Number F_2 $=V_2 / sqrt(gD_2)$ = 2.264/ sqrt(9.81 X2.355)	0.471	

11	Prejump Depth corresponding to D_2 (D_1) $D_1 = D_2/2$ (-1+sqrt(1+8F_2^2)) = 2.355/2 X (-1+ sqrt (1+ 8 X 0.4711^2))	0.784	m
12	Velocity (V_1) = q / D_1 = 5.331 / 0.784	6.800	m/sec
13	Froude's Number F_1 =V_1 / sqrt(gD_1) = 6.8001/ sqrt(9.81 X0.7841)	2.452	
14	U/S specific energy $E_{f1} = D_1 + V_1^2 / 2g$	3.141	m
15	$E_{f1} - E_{f2} - H_L = 0$	-0.001	~ 0
16	Level at which jump would form (D/s Total Energy Lvl - E_{f2})	30.555	m
17	Length of concrete floor required beyond the jump Floor length = 5 *(D_2- D_1)	7.86	m

Existing Floor level	=	30.5	m
The Stilling Basin level is	=	30.5	m
Depth of stilling basin	=	0	m
Provide a depth of stilling basin	=	**0.3**	m
The Stilling Basin level is	=	**30.200**	m
3.Total horizontal floor length:			
U/S floor level	=	30.5	m
D/S floor level	=	30.5	m
1.D/S floor length (hydraulic criteria)/Basin length+cutoff	=	8.46	m
2.Width of the body wall (from stability calculations)@ basi level	=	2.250	m
3. Length of U/S floor (Assumed)	=	2.00	m
	=		
Total Floor length required	=	12.71	m
However provide a length of		**12.80**	m
Hence provide a basin length of		**7.95**	m

DESIGN OF WEIR ON PERMEABLE FOUNDATION

Sub surface Flow Condition (Koshla's Theory)

Design Data:

Maximum Flood Discharge		=	1066.1	cumecs or	37650	cusecs
Discharge over anicut			1066.119	Cumecs or	37650.0	Cusecs
Crest level		=	31.7	m		
M.W.L		=	33.63	m		
Rear Water Level		=	32.94	m		
Crest level of check dam		=	31.7	m		
Exit gradient 1 in	6		0.167			
U/S bed level			30.5	m		
D/S bed level			30.5	m		
Total length of structure			200			
Length of spillway			200	m		
Discharge per unit length/discharge intensity			5.3306	cumecs/m run		ie (1066.119 /200)
Existing width of river			200	m		
Assume u/s floor thickness as			0.6	m		
Assume d/s floor thickness as			0.7	m		
Unit weight of the floor material			2.4	t/m^3		
Unit weight of water			1	t/m^3		
Specific gravity of floor material			2.4			

for static condition the FTL has been taken as FMFL = 31.7 m

for dynamic condition the MWL has been taken as FMFL = 33.63 m

Discharge per unit length/discharge intensity = 1066.119/200 cumecs/m run

5.331 cumecs/m run

Looseness factor = 1.26742712

Silt factor 1.25

Normal Scour depth (R) = 0.475(1066.119/1.25)^(1/3)

4.505 m

The design flood is considered as the flood with concentration, therefore

Scour depth with concentration = **0.475(1066.119*1.0/1.25)^(1/3)**

4.505 m =

U/S scour level = U/s Water level - R

= 33.63 - 4.505

= 29.13 m

Depth of upstream water 3.13 m

Minimum depth of upstream cutoff Y/3+0.6

1.643 m

Depth of u/s cut off = 30.5 - 29.13

Depth of u/s cut off = 1.37 m

Depth of u/s cut off to be provided= 1.643 m

Provide a depth of **1.7** m

Bottom of u/s cut off = + **28.800** m

D/S scour level = Rear Water level - 1.25 R

= 32.94 - 1.25 X 4.505

= 27.309 m

Depth of d/s cut off = **3.191** m

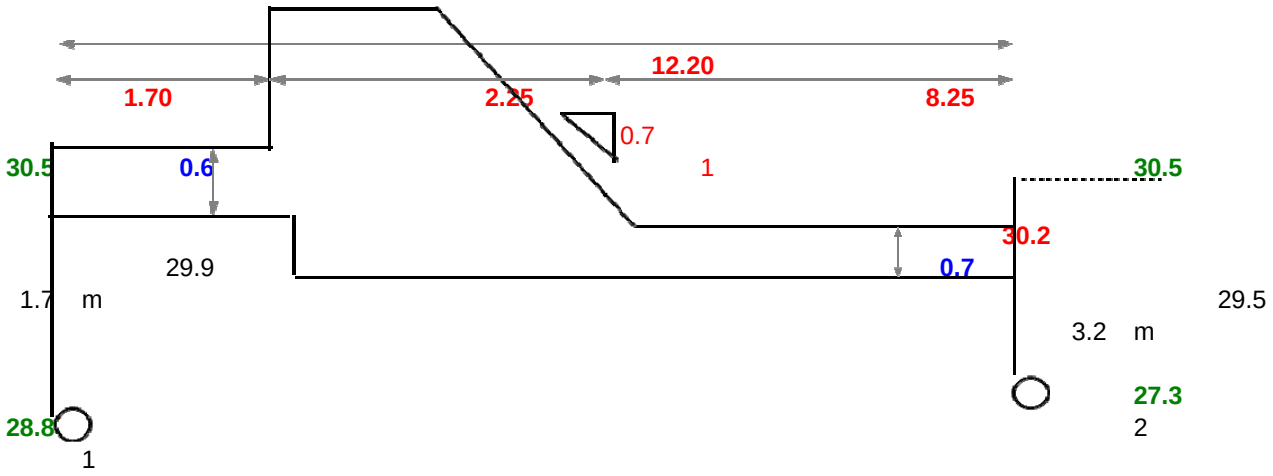
(Based on scour considerations)

Provide a depth of **3.2** m

Bottom of d/s cut off = + **27.300** m

To draw Hydraulic Gradient Line

31.7



Proposed Floor

Floor Length Required From Exit Gradient Considerations

Exit gradient	0.166667	
Taking head upto MFL		
Static head H = FRL - D/S Bed level	1.2	m
d = Depth of d/scutoff	3.2	m

$$Ge = \frac{H}{d} \cdot \frac{1}{\Pi\sqrt{\lambda}}$$

λ = 0.51293849

$\alpha = \sqrt{(2\lambda-1)^2} - 1$ = 0

Length of floor required from exit gradient	0	m
	0	m
Length of floor required (Exit gradient criteria)	**0**	m
Length of floor provided (hydraulic jump criteria)	12.80	m

Hence provide a floor length of **12.80** m

Uplift Pressures:

for Pile 1

Total length of floor (b) = 12.80 m

Depth of pile (d) = 1.7 m

$\alpha = b / d$

α = 12.8 / 1.7

α = 7.529

$\lambda = (1 + \sqrt{1+ \alpha^2})/ 2$

λ = (1 + sqrt(1 + 7.529 ^2)) / 2

λ = 4.298

$\phi_c = 1 / \pi \cos^{-1} ((\lambda - 2)/\lambda)$

ϕ_c = 32.045 %

$\phi_D = 1 / \pi \cos^{-1} ((\lambda -$

1)/λ)

ϕ_D = 22.159 %

ϕ_{C1} = 100–ϕ_c

ϕ_{C1} = 67.955 %

ϕ_{D1} = 100–ϕ_D

ϕ_{D1} = 77.841 %

ϕ_{E1} = **100** %

Corrections for C1

(a) Correction at C1 for mutual interference with pile2

Correction factor = $19 \sqrt{(D/b')(d+D)/b}$

D = Depth of interfering pile2 =	2.6	m	
d = Depth of the pile 1=	1.1	m	
b' =Distance between pile1and2	12.20	m	17.9
b = Total length of the floor =	12.8	m	

Correction = 2.53543286 % +ve

(b) Correction due to floor thickness

Correction factor = $\frac{\phi_{D1} - \phi_{C1}}{\text{Depth of pile}}$ X Thickness of the floor

(77.84-67.95)/(30.5-28.8)*0.6

Correction = 3.489 % +ve

Corrected values

corrected ϕ_{C1} = 73.979 %

ϕ_{E1} =	100	%
ϕ_{D1} =	77.841	%
ϕ_{C1} =	73.979	%

for Pile 2

Total length of floor (b) = 12.80 m

Depth of pile (d) = 3.2 m

α = b / d

α = 12.8 / 3.2

α = 4

$\lambda = (1 + \sqrt{1 + \alpha^2}) / 2$

λ = (1 + sqrt(1 + 4 ^2)) / 2

λ = 2.56155281

$\phi_E = 1 / \pi \cos^{-1}$ ((λ - 2)/λ)

ϕ_E = 42.9647583 %

$\phi_D = 1 / \pi \cos^{-1}$ ((λ - 1)/λ)

ϕ_D = 29.1325341 %

ϕ_{C2} = **0** %

ϕ_{D2} = 29.1325341 %

ϕ_{E2} = 42.9647583 %

Corrections for E2

(a) Correction at E2 for mutual interference with pile1

Correction factor = $19 \sqrt{(D/b')\,(d+D)} / b$

D = Depth of interfering pile1 =	0.7	m	-0.2
d = Depth of the pile 2=	2.2	m	0.8
b' =Distance between pile2and1	12.20	m	
b = Total length of the floor =	12.8	m	

Correction = 1.03112362 % -ve

(b) Correction due to floor thickness

Correction factor = $\frac{\phi_{E4} - \phi_{D4}}{\text{Depth of pile}}$ X Thickness of the floor

=(42.96-29.13)/(30.5-27.3)*(30.5-29.5)

Correction = 4.32257007 % -ve

Corrected values

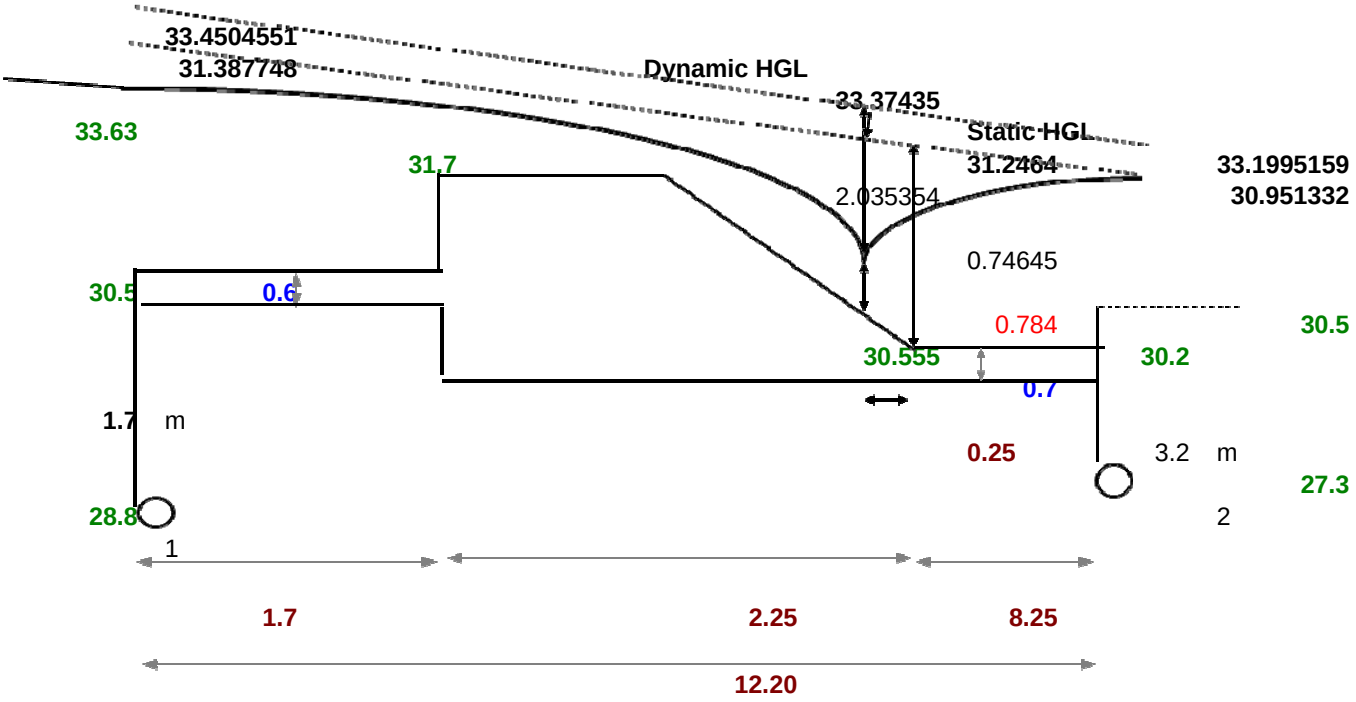
corrected ϕ_{E2} = 37.611 %

ϕ_{E2} =	37.611	%
ϕ_{D2} =	29.133	%
ϕ_{C2} =	0	%

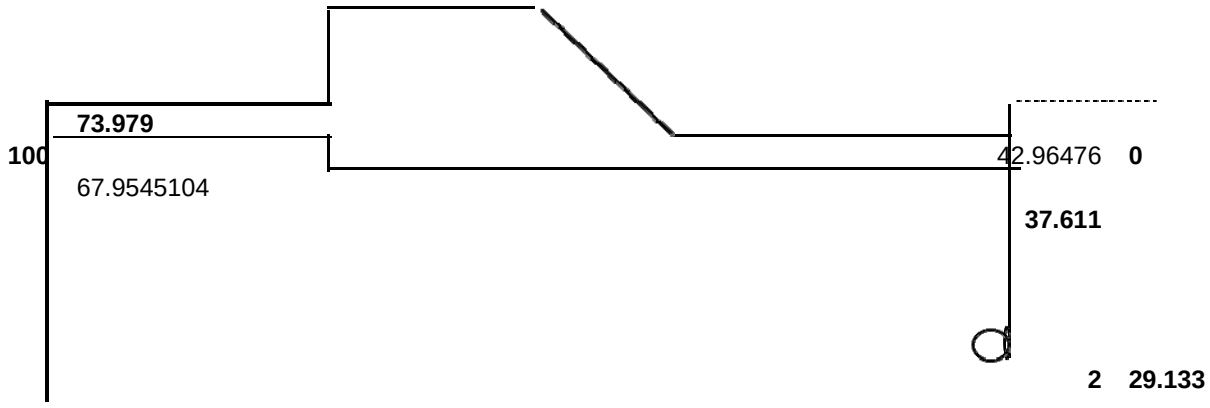
Pile No	1 Upstream pile		2 Downstream pile	
Pressure at the pt	ϕ_{E1} =	100	ϕ_{E2} =	37.611
	ϕ_{D1} =	77.841	ϕ_{D2} =	29.133
	ϕ_{C1} =	73.979	ϕ_{C2} =	0

U/S water Level	D/S water Level	Un-balanced Head	Elevation of HGL					
			Pile1			Pile2		
			ϕ_{E1}	ϕ_{D1}	ϕ_{C1}	ϕ_{E2}	ϕ_{D2}	ϕ_{C2}
			100	77.841	73.979	37.611	29.133	0
Static condition								
31.700	30.5	1.200	1.2	0.934092	0.887748	0.45133	0.349596	0
			31.7	31.434092	31.38775	30.9513	30.8496	30.5
Dymanic condition								
33.630	32.94	0.690	0.69	0.5371029	0.510455	0.25952	0.201018	0

		33.63	33.4771029	33.45046	33.1995	33.14102	32.94



Uplift Pressures



77.841 1

FLOOR THICKNESS

(Dynamic head)

At the point of formation of jump	8.50	m from the centre of d/s pile	
Dynamic head unbalance		2.035	m
2/3 rd of head		1.357	m
Thickness required		0.969	
		0.969	m
Provide a depth of		**1.000**	m

(static head)

the static head is calculated from d/s basin level.
Maximum ordinate for static condition is at toe of the spillway.

(d)	Unbalanced head at	8.250	m from center of d/s pile		
	Thickness required			1.046	
				0.747	m
	Provide a depth of			0.800	m

Dynamic dominates the flow

	Provided thickness at toe			**1.000**	m

(a)	Unbalanced head at	3	m from center of d/s pile		
				0.859	
	Thickness required			0.613	m
	Provide a depth of			0.700	m

(b)	Unbalanced head at	6	m from center of d/s pile		
				0.966	
	Thickness required			0.690	m
	Provide a depth of			0.700	m

D/s Protection works

Downstream Block Protection: (As per clause 20.2. of IS 6966 - 1973)

The length of D/S block protection required 1.5 X D

D/s Bed level 30.500 m

Designed Rear Water Level 32.940 m

Scour depth (R) 4.505 m

The likely extent of scour for downstream impervious floor = 1.75 x R

D/s scour level = 32.94 - 1.75x4.505 = 25.05625 m

Design Depth of scour below the floor level (D) = 30.5 - 25.05625

5.444 m

Length of downstream block protection= 1.5 D = 8.166 m

Hence

provide **5** rows of CC block of size 1.5 X 1.5 X 0.9 m

Downstream Launching Apron: (As per clause 20.3 of IS 6966 - 1973)

Length of launching apron = 1.5 to 2.5

Where D = Design Depth of scour below the floor level

D = 5.444

Length of launching apron = 8.166 to 13.609

= 11 m

However provide a length of = 10 m

Thickness of loose stone required for covering the launched slope

Slope of the river = 1 in 1100

River Slope in m/km 0.90909091 m

Restricted to 0.4

T' = 1.25 T

T' = Thickness of loose stone reqd for covering the launched slope

Thickness of pitching =(T) 1000 mm (From Table 2 of IS 6966 - 1973)

Where T = 1000 mm

say 1.00 m

T' = 1.25 m (1.25 x 1.15)

say 1.25 m

As per clause 20.3.3 of IS 6966, Provide a slope of

2.50 : 1

Length of launching = 10.77 m

Qty of launching stone required to be laid

along the length of launched slope of 10.77 m = 10.77 X 1.25= **13.4625** m^3

with a launched thickness 1.25 m is

This should be laid for the thickness (T) 1.00 m

Qty of stone reqd for the thickness T = 1x10.77= 10.77 m^3

Inner thickness reqd = 10.77 / 10 = 1.077 m

Proivde a inner thickness of = **1.1** m

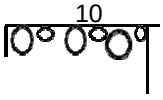
Balance qty of stone =13.4625-10.77 = 2.6925 m^3

Thickness of wedge portion =2.6925/(0.5x10) = 0.539 m^3

Outer thickness required = 1.1+0.539 = 1.639 m

Provide a outer thickness of = **1.65** m

Launched slope



	1.10	1.65	
			15.8113883
Sloping length	10.77		15.8113883
	3:1		

Quantity of pitching provided = 13.75 m^3

Quantity of pitching required = 13.4625 m^3

Hence safe

GOVERNMENT OF TAMILNADU
PUBLIC WORKS DEPARTMENT
WATER RESOURCES ORGANIZATION

From
Er. K.Rangaraju Gupta, M.E.,
Engineer -in -Chief, WRO and
Chief Engineer (General), PWD,
Chepauk, Chennai-600 005.

To
1. The Chief Engineer, PWD, WRO, Chennai Region, Chennai
2. The Chief Engineer, PWD, WRO, Madurai Region, Madurai
3. The Chief Engineer, PWD, WRO, Trichy Region, Trichy.
4. The Chief Engineer, PWD, WRO, Pollachi Region, Coimbatore.
5. The Chief Engineer, PWD, WRO, Plan Formulation, Chennai-5.
6. The Chief Engineer, PWD, WRO, SGSWRDC, Chennai-113.

Letter No.S7(4) / 40361 / 2006 / T-Cell Dated 24.04.2007

Sir,

Sub: Preparation of estimates – Guidelines for design of retaining wall – communicated – reg.

Estimates prepared by Regional Chief Engineers of WRO and Chief Engineer, Plan Formulation are being sent to this office for obtaining Administrative Sanction of the Government. Estimates received in this office are of varied nature such as formation of new tanks, ponds, construction of anicuts, regulators, head works, excavation of channel, cross masonry works, cross drainage works, rehabilitation of various structures etc.,

In most of the estimates, it becomes obligatory to provide retaining wall either for retaining the earth or as abutments, wings, return walls etc.,

On scrutinizing the estimates, it is often observed that the base width of retaining wall provided is insufficient from stability consideration.

Therefore, general guidelines for the design of retaining wall based on Coulomb's earth pressure theory & IS 1893-1984, have been prepared and enclosed in the following tables.

Table 1: Guidelines for retaining wall with rear slope alone and backfill material having ϕ 22^0. (height 1.0m to 5.0m)

Table 2: Guidelines for retaining wall with rear slope alone and backfill material having ϕ 30^0. (Sand or Gravel as backfill)

Table 3: Guidelines for retaining wall with front and rear slope & backfill material having ϕ 22^0.

The table gives the top width and side slope of retaining wall to be adopted for various heights of wall.

Retaining wall with both front and rear slope may be adopted where the site conditions permit. Typical designs of retaining wall (1) with rear slope alone and (2) front and rear slope for a height of 6.0m are also enclosed.

These guidelines may be communicated to field officers of your Region for adoption while preparing estimates.

Encl: Guidelines – 3 Tables

21.5.07

for Engineer-in-Chief, WRO,
Chief Engineer(GI), PWD

RETAINING WALL

Table-1

Height of wall : 1.0m to 5.0m

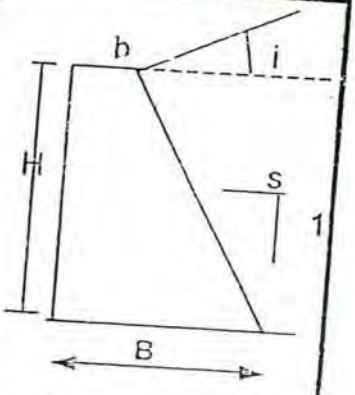
Angle of internal friction of backfill $\phi = 22^0$

BASE WIDTH FOR VARIOUS HEIGHT OF RETAINING WALL

Sl. No.	Ht of wall (H) m	Top width (b) m	Rear Slope (s)	Coulomb's Coefficient	Base width (B) m
1	1.00	0.45	0.40	1.04275	0.85
2	1.25	0.45	0.45	1.10613	1.01
3	1.50	0.45	0.55	1.24617	1.28
4	1.75	0.45	0.55	1.24617	1.41
6	2.00	0.45	0.60	1.32315	1.65
7	2.25	0.45	0.60	1.32315	1.80
8	2.50	0.45	0.65	1.40499	2.08
9	2.75	0.45	0.65	1.40499	2.24
10	3.00	0.45	0.65	1.40499	2.40
11	3.25	0.45	0.70	1.49185	2.73
12	3.50	0.45	0.70	1.49185	2.90
13	3.75	0.45	0.70	1.49185	3.08
14	4.00	0.60	0.70	1.49185	3.40
15	4.25	0.60	0.70	1.49185	3.58
16	4.50	0.60	0.70	1.49185	3.75
17	4.75	0.60	0.70	1.49185	3.93
18	5.00	0.60	0.70	1.49185	4.10

Theory adopted: COULOMBS THEORY

Reference: I.S 1893-1984



Parameters of backfill materials:

Angle of internal Friction $\phi=22^0$

Saturated Unit weight 2 t/m^3

Angle of surcharge 20^0

Seismic effect not considered

Note:

1. For other values of soil parameter, separate design may be worked out based on the model design enclosed.
2. The retaining wall may also be designed with a front slope of 0.15:1 to 0.2:1for walls of height >4m, where the site condition permits. Details furnished in Table-3.

Design of Retaining wall

PARTICULARS			
Top level of retaining wall=		106.000 m	
Foundation level=		100.000 m	
Height of retaining wall=		6 m	
Width of platform= b1=		0.6 m	
Front slope=	1 :	0	
Front batter		0 m	
Rear slope=	1 :	0.75	
Rear batter=		4.5 m	
b3= Base width=		5.1 m	
Height=		6 m	
Density=		2 t/m^3	
ϕ= (Angle of internal friction of soil)		22 °	
δ= ϕ/2=		11 °	
α_o= (Basic Seismic coefficient)		0	
αh= B*I*α_o (horizontal Seismic coefficient)		0	
αv= 1/2αh=(vertical Seismic coefficier		0	
λ= $\tan^{-1}\alpha(h)/(1\pm\alpha(v)$=		0 °	or 0 °
α= tan-1(2/4) =		36.8699 °	(Angle of rear batter with vertical)
ι= (Angle of surcharge)		20 °	
Unit weight of PCC/RR=		2.4 t/m^3	
Unit weight of water=		1 t/m^3	

STRESS DUE TO EARTH PRESSURE ACTIVE EARTH PRESSURE:

$\cos\lambda$ =	Cos0	=	1
$\cos^2(\phi-\lambda-\alpha)$=	Cos^2(22-0-36.8699)	=	0.934144
$\cos^2\alpha$=	Cos^236.8699	=	0.64
$\cos(\delta+\lambda+\alpha)$=	Cos^2(11+0+36.8699)	=	0.670816
$\sin(\phi+\delta)$=	sin(22+11)	=	0.544639
$\sin(\phi-\iota-\lambda)$=	sin(22-20-0)	=	0.034899
$\cos(\alpha-\iota)$=	Cos(36.8699-20)	=	0.956966

$$1+\left(\frac{\sin(\phi+\delta)*\sin(\phi-\iota-\lambda}{\cos(\alpha-\iota)*\cos(\delta+\alpha+\lambda)}\right)^{0.5}= \quad 1.172073$$

$$\left\{\frac{1}{1+\left(\frac{\sin(\phi+\delta)*\sin(\phi-\iota-\lambda)}{\cos(\alpha-\iota)*\cos(\delta+\alpha+\lambda)}\right)0.5}\right\}^2 = \quad 0.727931$$

$$\frac{\cos^2(\phi-\alpha-\lambda)}{\cos\lambda*\cos^2\alpha*\cos(\delta+\alpha+\lambda)} = \quad 2.175856$$

Ca = Coefficient of active earth pressure

$$Ca= \frac{\cos^2(\phi-\alpha)}{\cos\lambda*\cos^2\alpha*\cos(\delta+\alpha)} \left\{\frac{1}{1+\left(\frac{\sin(\phi+\delta)*\sin(\phi-\iota)}{\cos(\alpha-\iota)*\cos(\delta+\alpha)}\right)0.5}\right\}^2$$

Ca = 0.728x2.176

Ca = 1.5839

Pa=1/2*w*h^2*Ca= 1/2 x 2 x 6^2 x 1.5839 where, Pa = Earth pressure(t)

= 57.0204 t

w=Unit weitht of earth(t/cum)
h = height of wall

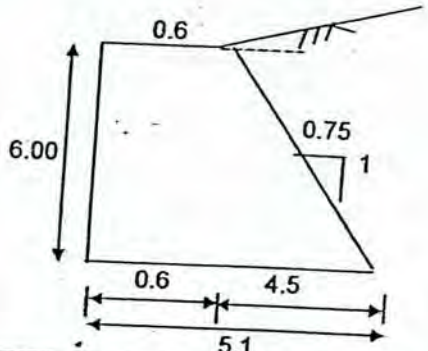
Earth pressure:

Vertical component= Pa Sin(α+δ)

57.0204 x sin(36.8699+11) = 42.28767

Horizontal component= Pa Cos(α+δ)

57.0204 x cos(36.8699+11) = 38.25021



Coeff.	L	B	D	Unit.wt.	Forces(t) V	Forces(t) H	e (m)	Moments + t-m
Weight of masonry								
1	1	0.6	6	2.4	8.64		4.8	41.472
0.5	1	4.5	6	2.4	32.4		3	97.2
0.5	1	0	6	2.4	0		5.1	0
Static Earth pressure:								
Vertical component=					42.28767		1.5	63.43151
Horizontal component=						38.25021	2	76.50043
					83.32767	38.25021		278.6039

ΣV= 83.32767 ΣM= 278.6039

$\overline{x}$ = =ΣM/ΣV

=278.604 / 83.328

$\overline{x}$ = 3.343474

e= =b/2-Xbar

5.1 / 2 - 3.3435

e= 0.793474

6e/b= 6 x 0.7935/5.1

6e/b= 0.933499

Maximum stress= ΣV/b (1+6e/b)

83.328/5.1x(1+0.933)

31.591 t/m^2

Minimum stress= ΣV/b (1-6e/b)

83.328/5.1x(1-0.933)

1.087 t/m^2

Note:

Stresses should be > 0t/m^2 (No tension should be allowed)

...um stress to be restricted with respect to the Safe Bearing Capacity(SBC) ...the soil. Otherwise, necessary footings may be designed to suit site conditions.

Table-2

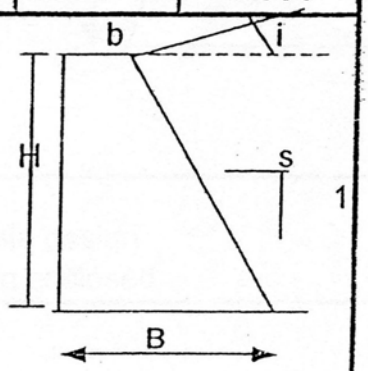
Height of wall : 1.0m to 5.0m

Angle of internal friction of backfill $\phi = 30^0$ (Sand or gravel)

BASE WIDTH FOR VARIOUS HEIGHT OF RETAINING WALL					
Sl. No.	Ht of wall (H) m	Top width (b) m	Rear Slope (s)	Coulomb's Coefficient	Base width (B) m
1	1	0.45	0.35	0.683	0.800
2	1.25	0.45	0.35	0.683	0.888
3	1.5	0.45	0.4	0.733	1.050
4	1.75	0.45	0.5	0.842	1.325
6	2	0.45	0.5	0.842	1.450
7	2.25	0.45	0.55	0.901	1.688
8	2.5	0.45	0.6	0.964	1.950
9	2.75	0.45	0.6	0.964	2.100
10	3	0.45	0.6	0.964	2.250
11	3.25	0.45	0.65	1.031	2.563
12	3.5	0.45	0.65	1.031	2.725
13	3.75	0.45	0.65	1.031	2.888
14	4	0.6	0.65	1.031	3.200
15	4.25	0.6	0.65	1.031	3.363
16	4.5	0.6	0.65	1.031	3.525
17	4.75	0.6	0.65	1.031	3.688
18	5	0.6	0.65	1.031	3.850

Theory adopted: COULOMBS THEORY

Reference: I.S 1893-1984



Parameters of backfill materials:

Angle of internal Friction

$\phi=30^0$ (Sand or gravel)

Saturated Unit weight 2 t/m^3

Angle of surcharge 20^0

Seismic effect not considered

Note:

For other values of soil parameter, separate design may be worked out based on the model design enclosed.

RETAINING WALL

Table-3

(with front batter)

Height of wall : 4.0m to 8.0m

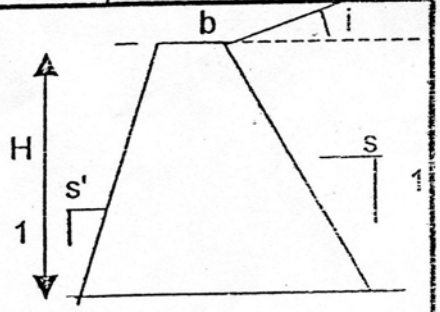
Angle of internal friction of backfill $\phi = 22^0$

BASE WIDTH FOR VARIOUS HEIGHT OF RETAINING WALL

Sl. No.	Ht of wall (H) m	Top width (b) m	Front slope (s')	Rear Slope (s)	Coulomb's Coefficient	Base width (B) m
1	4	0.6	0.15	0.5	1.174	3.2
2	4.5	0.6	0.15	0.5	1.174	3.525
3	5	0.6	0.15	0.5	1.174	3.85
4	5.5	0.6	0.2	0.5	1.174	4.45
5	6	0.6	0.2	0.5	1.174	4.8
6	6.5	0.6	0.2	0.55	1.246	5.475
7	7	0.6	0.2	0.55	1.246	5.85
8	7.5	0.75	0.2	0.55	1.246	6.375
9	8	0.75	0.2	0.55	1.246	6.75

Theory adopted: COULOMBS THEORY

Reference: I.S 1893-1984



Parameters of backfill materials:

Angle of internal Friction

$\phi = 22^0$

Saturated Unit weigh 2 t/m^3

Angle of surcharge 20^0

Seismic effect not considered

Note:

For other values of soil parameter, separate design may be worked out based on the model design enclosed.

Design of Retaining wall

PARTICULARS

Top level of retaining wall=		106.000 m		
Foundation level=		100.000 m		
Height of retaining wall=		6 m		
Width of platform= b1=		0.6 m		
Front slope=	1 :	0.2		
Front batter		1.2 m		
Rear slope=	1 :	0.5		
Rear batter=		3 m		
b3= Base width=		4.8 m		
Height=		6 m		
Density=		2 t/m^3		
ϕ= (Angle of internal friction of soil)		22 °		
δ= ϕ/2=		11 °		
α_o= (Basic Seismic coefficient)		0		
$\alpha h = B*I*\alpha_o$ (horizontal Seismic coefficient)		0		
αv= 1/2αh=(vertical Seismic coefficier		0		
λ= $\tan^{-1}\alpha(h)/(1\pm\alpha(v))$=		0 °	or	0 °
α= tan-1(3/6) =		26.5651 °	(Angle of rear batter with vertical)	
ι= (Angle of surcharge)		20 °		
Unit weight of PCC/RR=		2.4 t/m^3		
Unit weight of water=		1 t/m^3		

STRESS DUE TO ~~EARTH PRESSURE~~ ACTIVE ~~EARTH PRESSURE~~:

$\cos\lambda$ =	Cos0	=	1
$\cos^2(\phi-\lambda-\alpha)$=	Cos^2(22-0-26.5651)	=	0.993665
$\cos^2\alpha$=	Cos^226.5651	=	0.799999
$\cos(\delta+\lambda+\alpha)$=	Cos^2(11+0+26.5651)	=	0.792661
$\sin(\phi+\delta)$=	sin(22+11)	=	0.544639
$\sin(\phi-\iota-\lambda)$=	sin(22-20-0)	=	0.034899
$\cos(\alpha-\iota)$=	Cos(26.5651-20)	=	0.993443

$$1+\left[\frac{\sin(\phi+\delta)*\sin(\phi-\iota-\lambda)}{\cos(\alpha-\iota)*\cos(\delta+\alpha+\lambda)}\right]^{0.5} = 1.155363$$

$$\left\{\frac{1}{1+\left[\frac{\sin(\phi+\delta)*\sin(\phi-\iota-\lambda)}{\cos(\alpha-\iota)*\cos(\delta+\alpha+\lambda)}\right]0.5}\right\}^2 = 0.74914$$

$$\frac{\cos^2(\phi-\alpha-\lambda)}{\cos\lambda*\cos^2\alpha*\cos(\delta+\alpha+\lambda)} = 1.566978$$

Ca = Coefficient of active earth pressure

$$Ca = \frac{\cos^2(\phi-\alpha)}{\cos\lambda*\cos^2\alpha*\cos(\delta+\alpha)}\left\{\frac{1}{1+\left[\frac{\sin(\phi+\delta)*\sin(\phi-\iota)}{\cos(\alpha-\iota)*\cos(\delta+\alpha)}\right]0.5}\right\}^2$$

Ca = 0.749x1.567

Ca = 1.1739

$Pa=1/2*w*h^2*Ca=$ 1/2 x 2 x 6^2 x 1.1739

= 42.2604 t

where, Pa = Earth pressure(t)
w=Unit weitht of earth(t/cum.)
h = height of wall

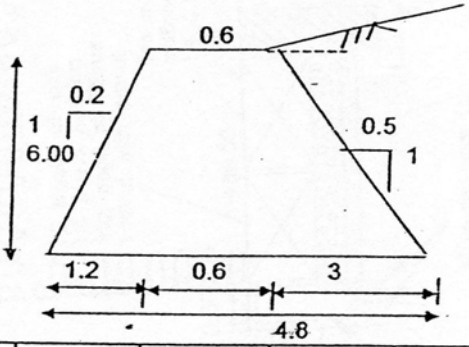
Earth pressure:

Vertical component= Pa Sin(α+δ)

42.2604 x sin(26.5651+11) = 25.76458

Horizontal component= Pa Cos(α+δ)

42.2604 x cos(26.5651+11) = 33.49818



Coeff.	L	B	D	Unit.wt.	Forces(t)		e (m)	Moments + t-m
					V	H		
Weight of masonry								
1	1	0.6	6	2.4	8.64		3.3	28.512
0.5	1	3	6	2.4	21.6		2	43.2
0.5	1	1.2	6	2.4	8.64		4	34.56
Static Earth pressure:								
Vertical component=					25.76458		1	25.76458
Horizontal component=						33.49818	2	66.99635
					64.64458	33.49818		199.0329

ΣV= 64.64458 ΣM= 199.0329

$\overline{x}$ = =ΣM/ΣV

=199.033 / 64.645

$\overline{x}$ = 3.07888

e= =b/2-Xbar

4.8 / 2 - 3.0789

e= 0.67888

6e/b= 6 x 0.6789/4.8

6e/b= 0.848601

Maximum stress= ΣV/b (1+6e/b)

64.645/4.8x(1+0.849)

24.896 t/m^2

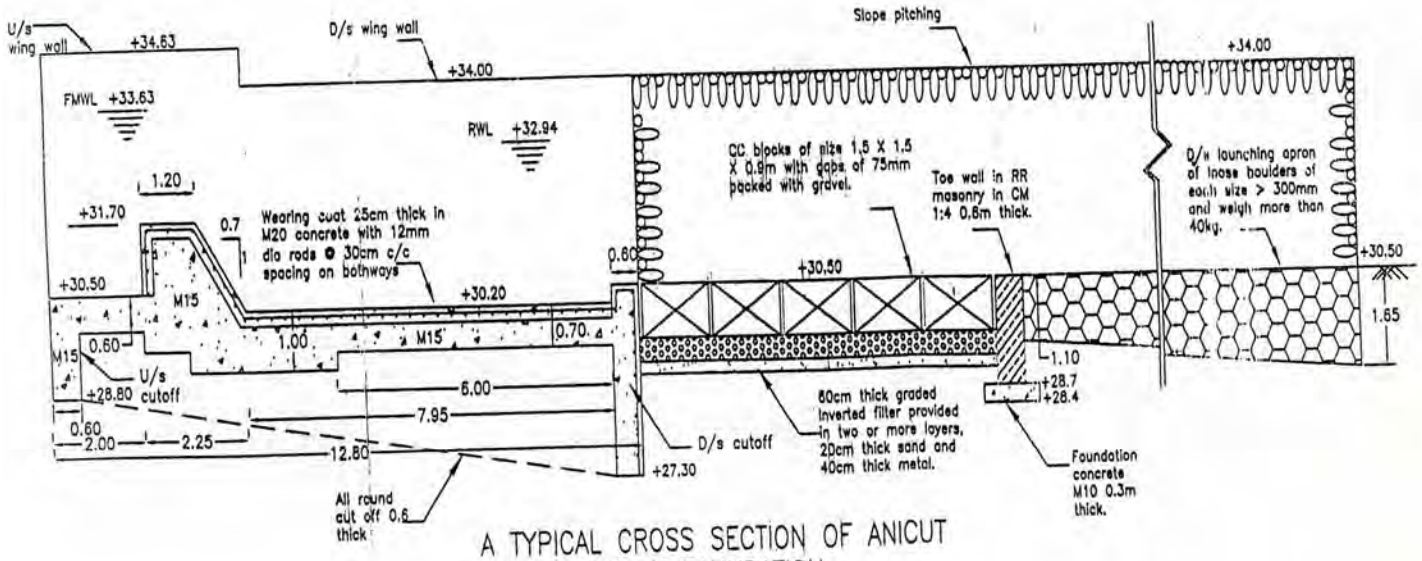
Minimum stress= ΣV/b (1-6e/b)

64.645/4.8x(1-0.849)

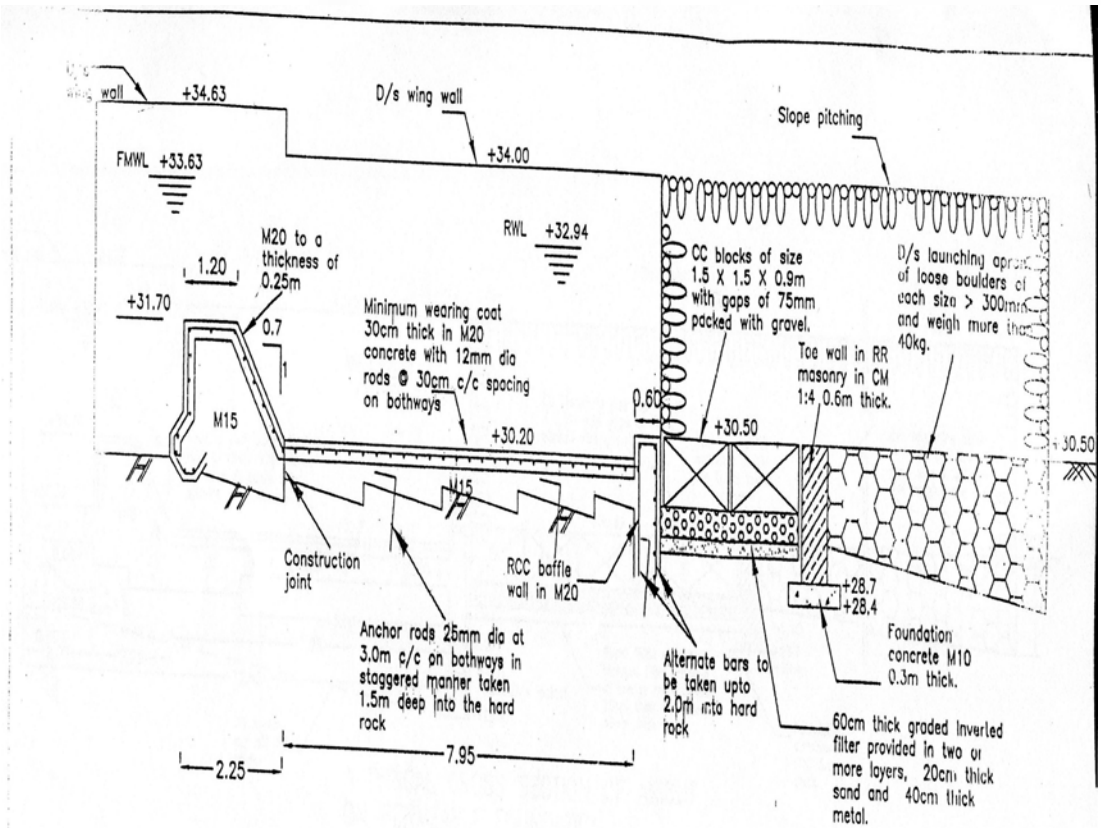
2.039 t/m^2

Note:

1. Stresses should be > 0t/m^2 (No tension should be allowed)
2. Maximum stress to be restricted with respect to the Safe Bearing Capacity(SBC) of the soil. Otherwise, necessary footings may be designed to suit site conditions.

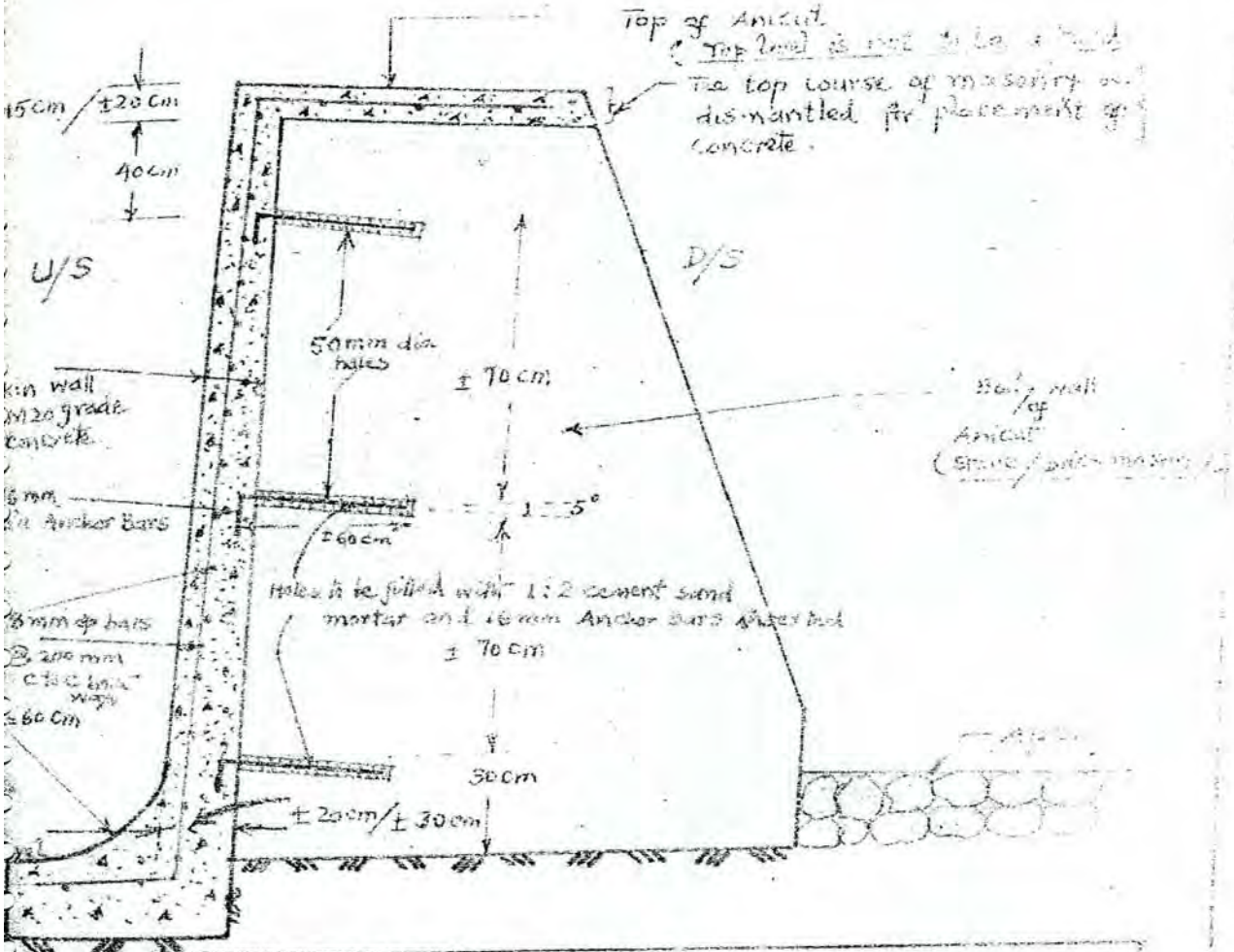


A TYPICAL CROSS SECTION OF ANICUT ON PERMEABLE FOUNDATION



TYPICAL CROSS SECTION OF ANICUT ON ROCK

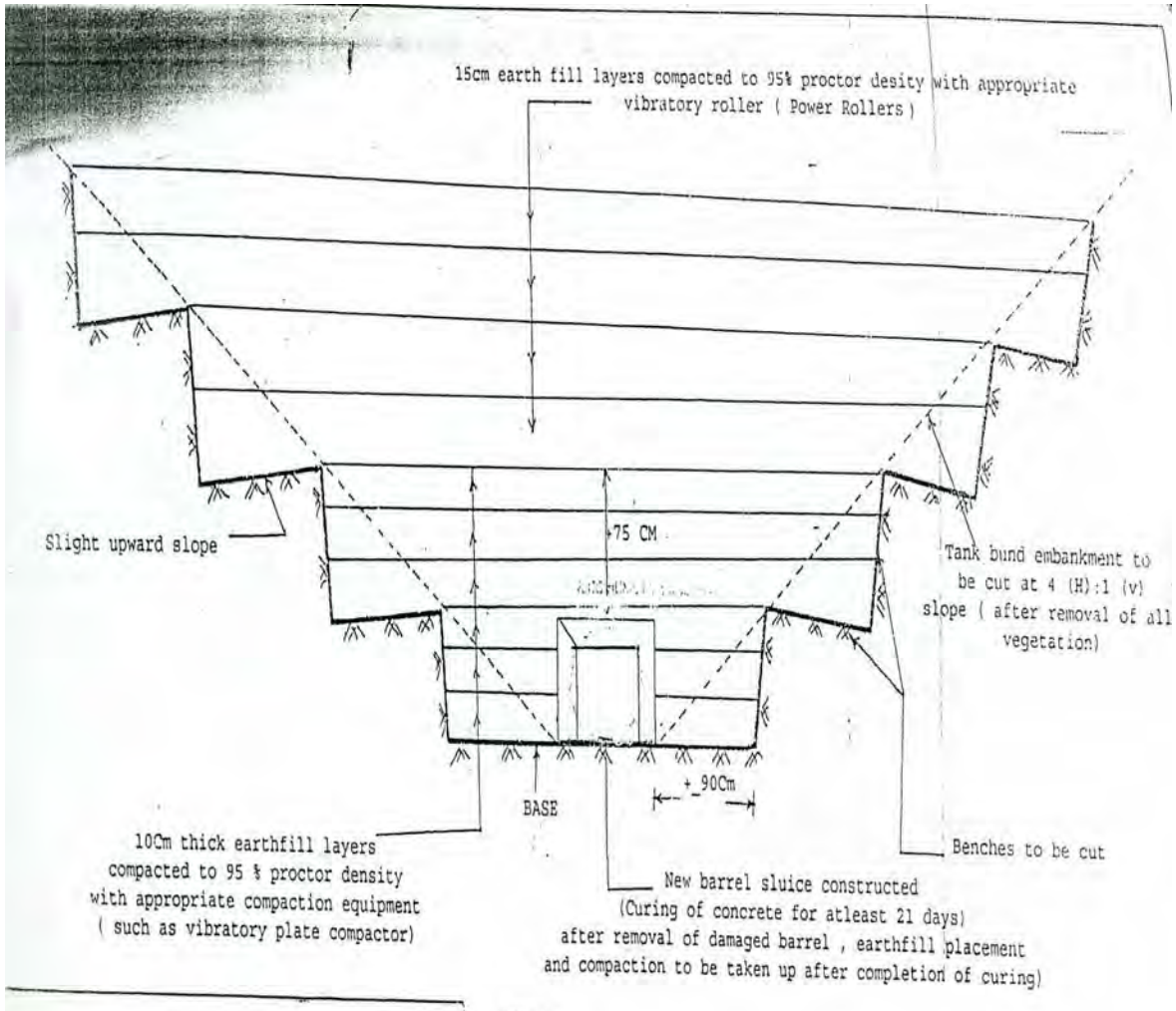
Rehabilitation of Anicut through SKIN WALL Con...



SALIENT FEATURS

- Joints on U/S surface to be raked to 25mm depth & surface roughened by ...
- 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 ... 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.
- Curing is to be done for 21 days.
- Thickness of Skin Concrete : 15cm at top & 20 cm 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 ± 1.50 m.

... to 60 cm



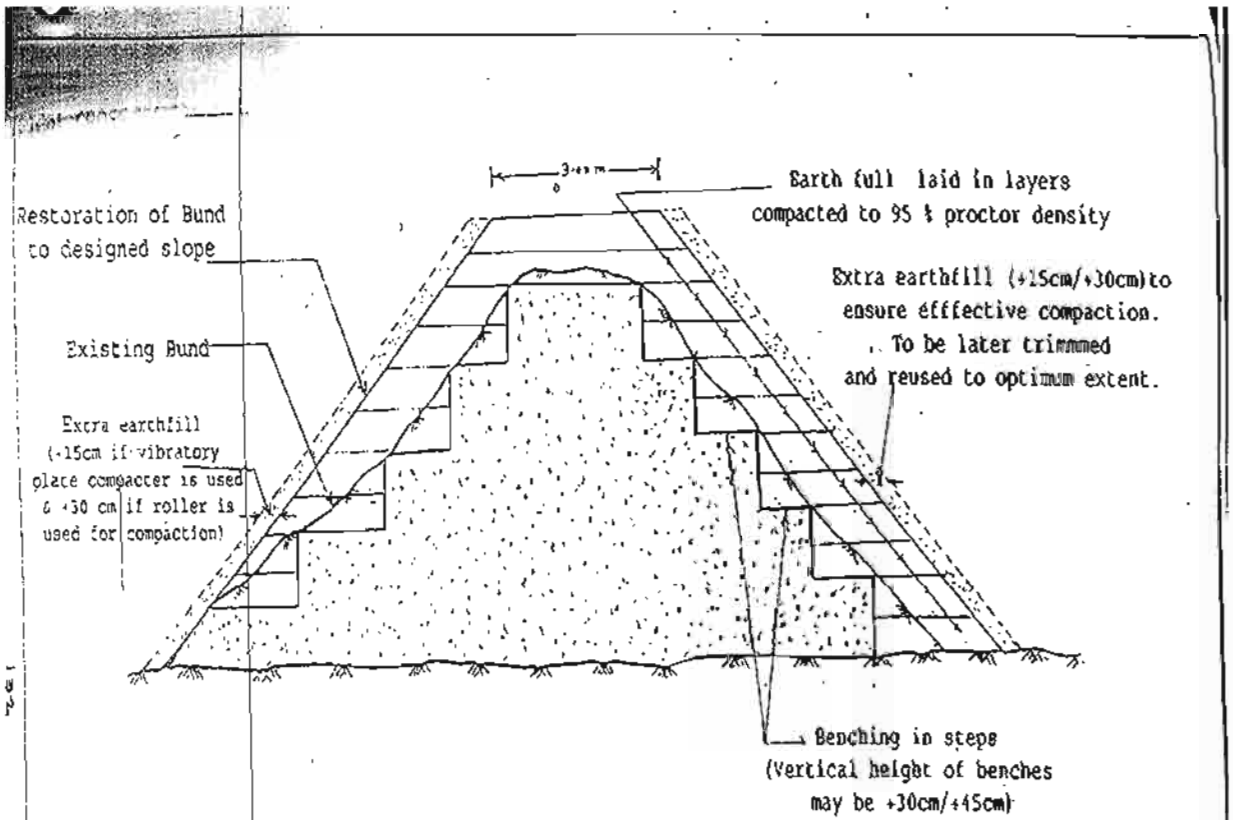
TYPICAL SKETCH OF CUTOPENING THE TANK BUND

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 / pneumanic tampers to ensure efffective compaction

III) Barth obtained from benching be reused (after removal of clods (bigger than 7.5 cm) , vegetation etc) in earth fill layers.

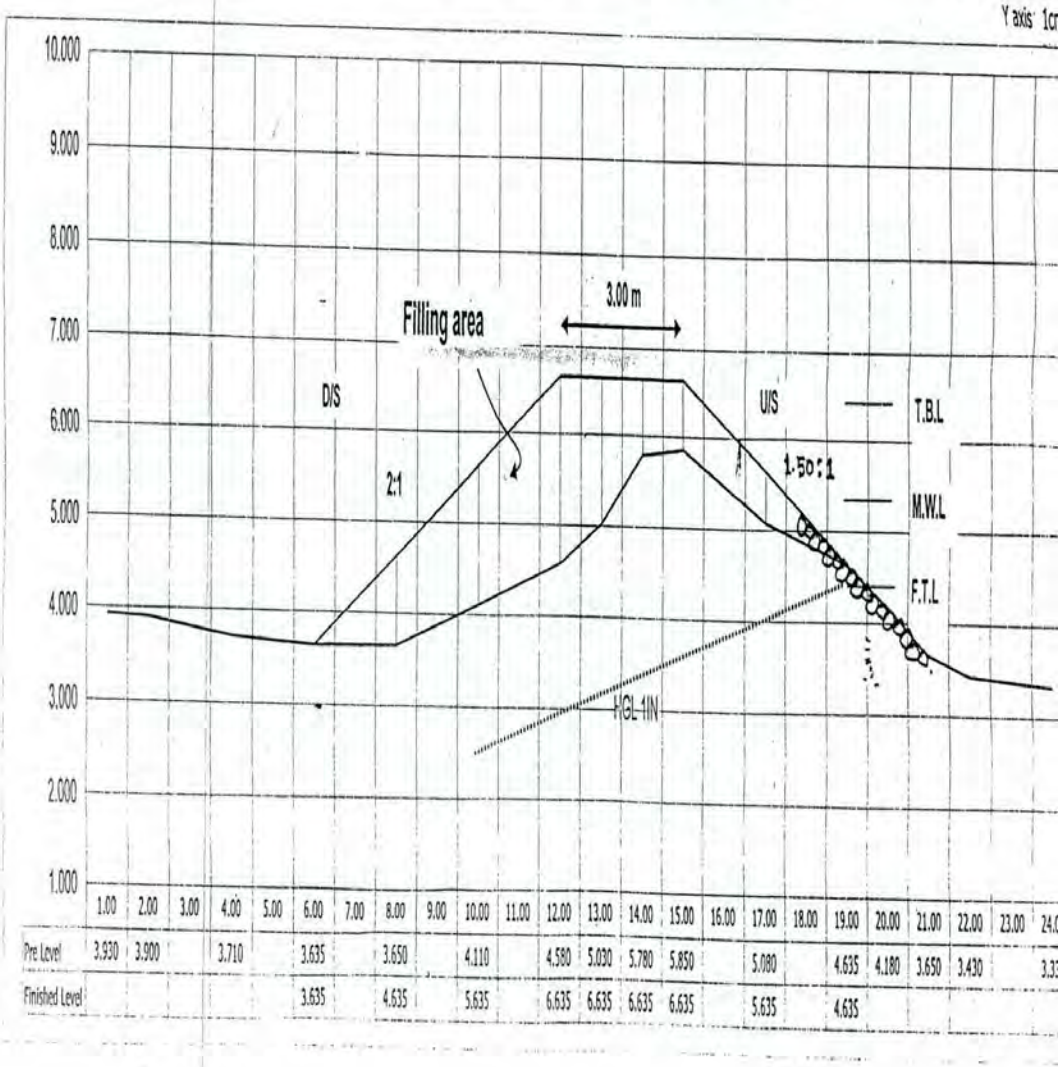


RAISING & STRENGTHENING OF TANK BUND

TYPICAL CROSS SECTION OF TANK BUND

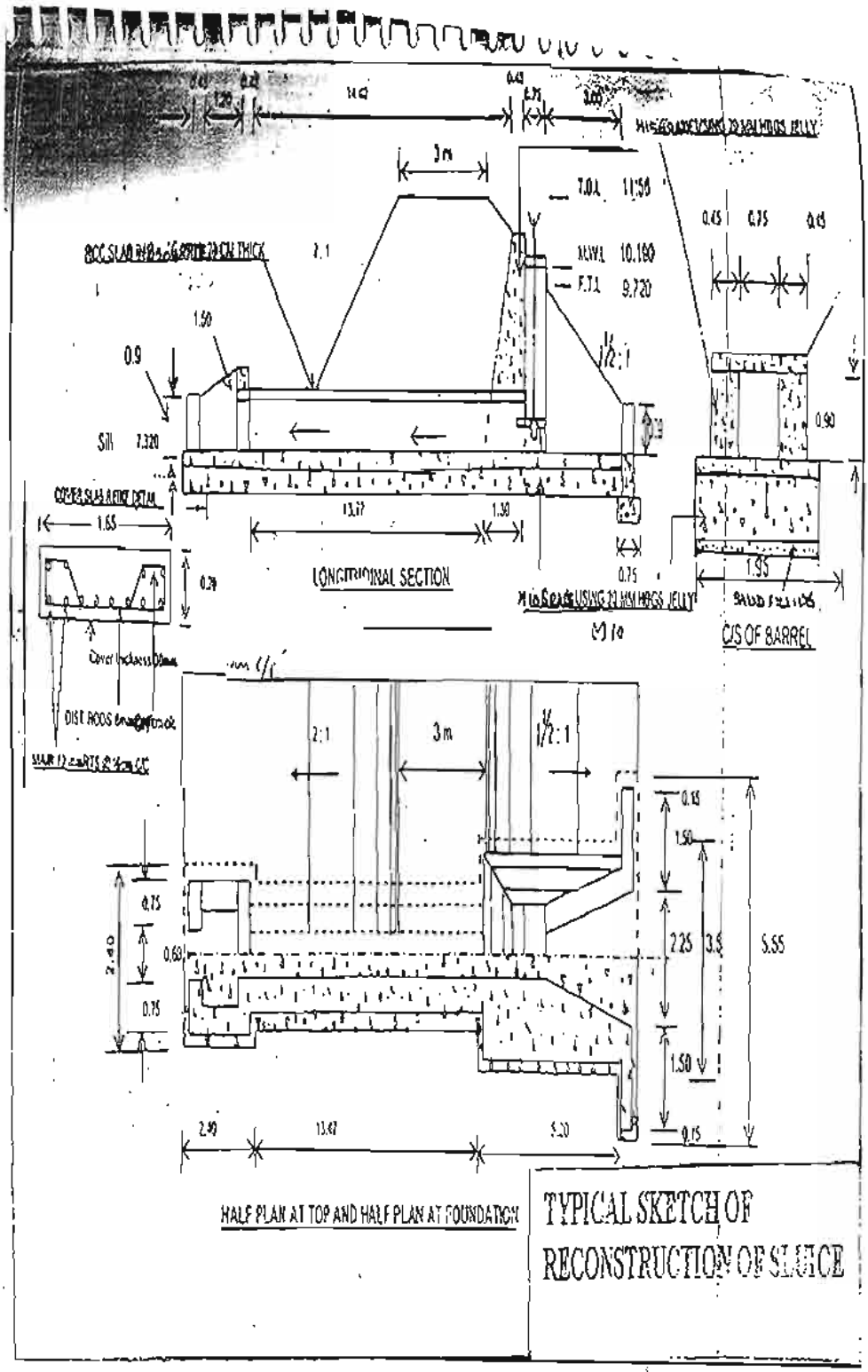
Area m^2

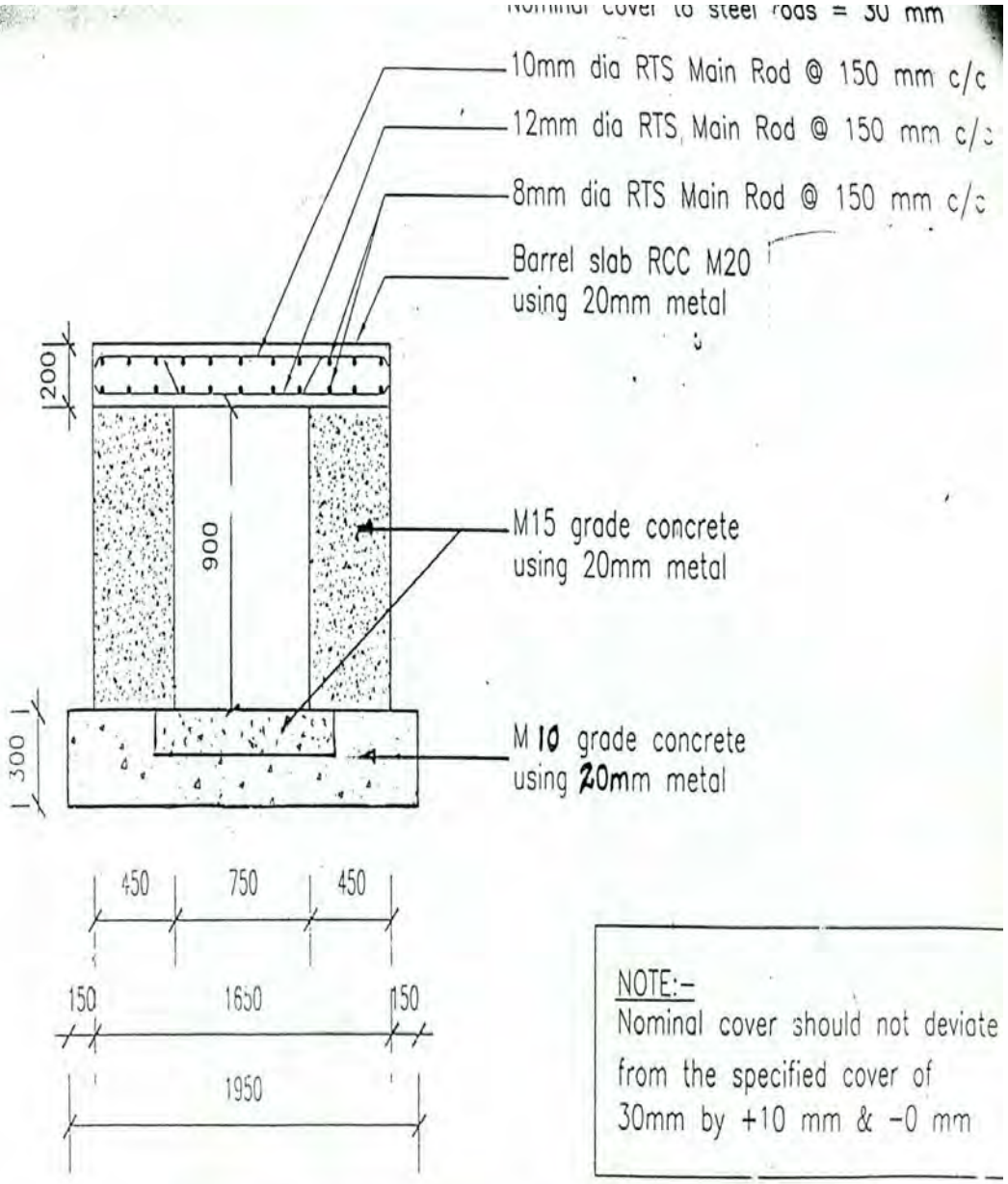
TBL 6.635 MWL 5.135 FTL 4.680 Scale X axis 1cr
Y axis 1cr



	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.(
Pre Level	3.930	3.900		3.710		3.635		3.650		4.110		4.580	5.030	5.780	5.850		5.080		4.635	4.180	3.650	3.430		3.3
Finished Level						3.635		4.635		5.635		6.635	6.635	6.635	6.635		5.635		4.635					

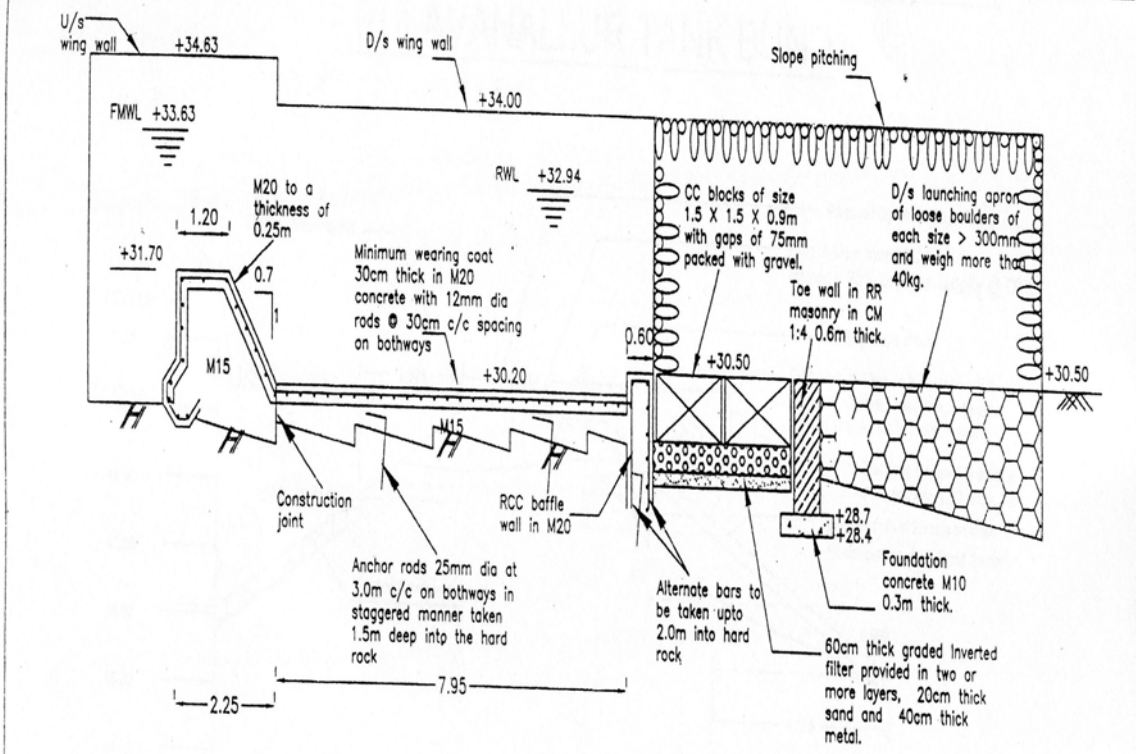
CS of Tank Bund @ LS 1000 m


3m
7.00
11.50
0.45
0.75
0.45
2:1
M.W.L 10.180
F.T.L 9.720
1.50
0.9
1½:1
SILL 7.320
0.90
13.37
1.30
0.75
1.65
0.79
1.95
LONGITUDINAL SECTION
M 10
C/S OF BARREL
2:1
3m
1½:1
0.15
1.50
0.75
0.63
2.40
0.75
2.25
3.9
5.55
1.50
0.15
2.99
13.47
5.20
HALF PLAN AT TOP AND HALF PLAN AT FOUNDATION
TYPICAL SKETCH OF
RECONSTRUCTION OF SLUICE



NOTE:-
Nominal cover should not deviate from the specified cover of 30mm by +10 mm & -0 mm

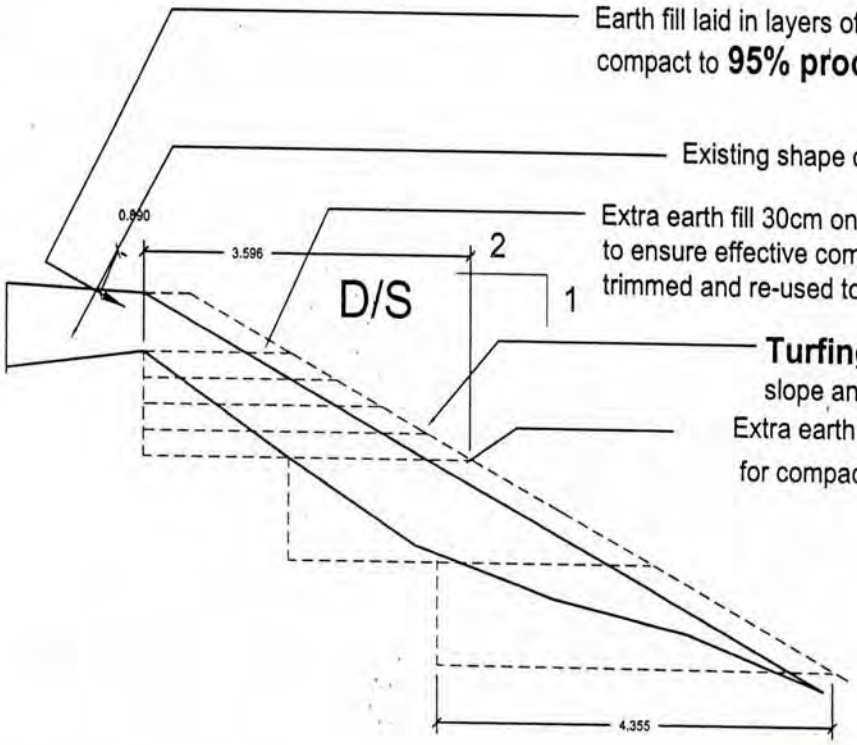
TYPICAL CROSS SECTION OF SLUICE BARREL



TYPICAL CROSS SECTION OF ANICUT ON ROCK

Based on the guide lines of the Chief Engineer, PWD., (DRCS) furnished in his Lr.No.251CE/SE(D)/AEE IX/ EE(D)/IAMWARM/Dated: 18.11.2009

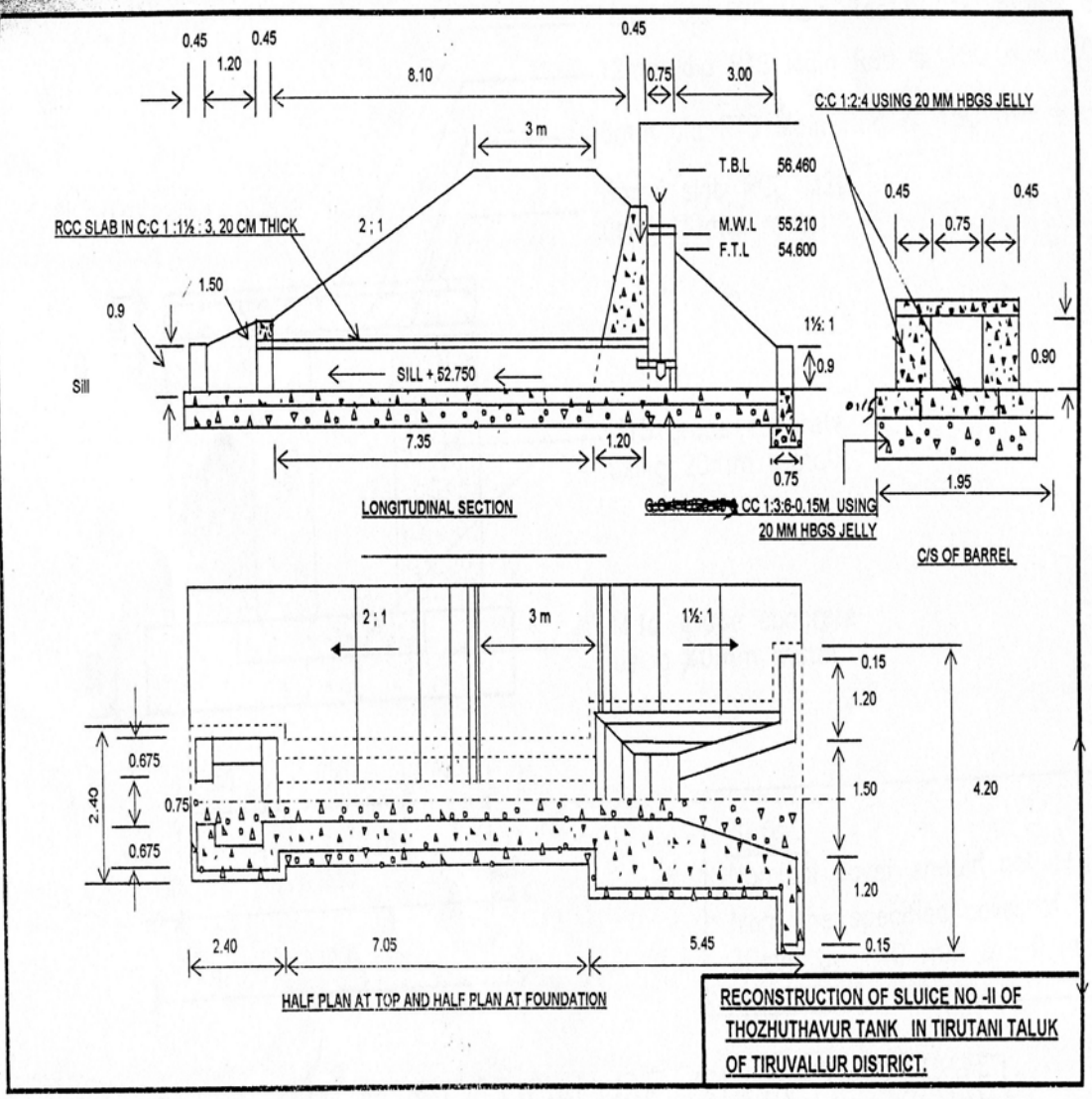
METHODOLOGY OF RAISING & STRENGTHENING OF PULAVANALLUR TANK BUND

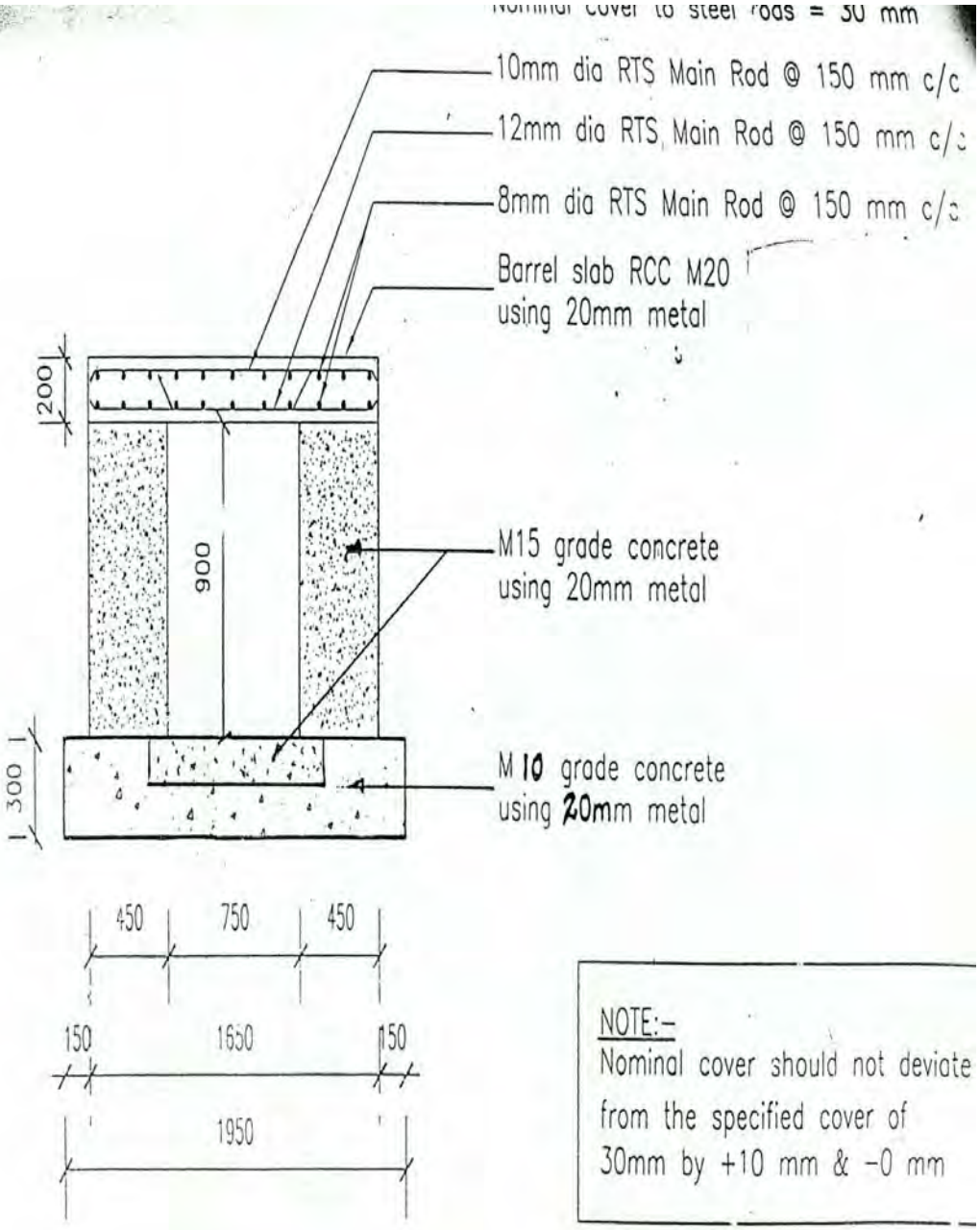


Proctor density test for every 300m3 of earth work and at least one test in each layer (IS 2720-1975(Part -XXIX))

ENLARGED SECTION

Note : All dimensions are in Meters

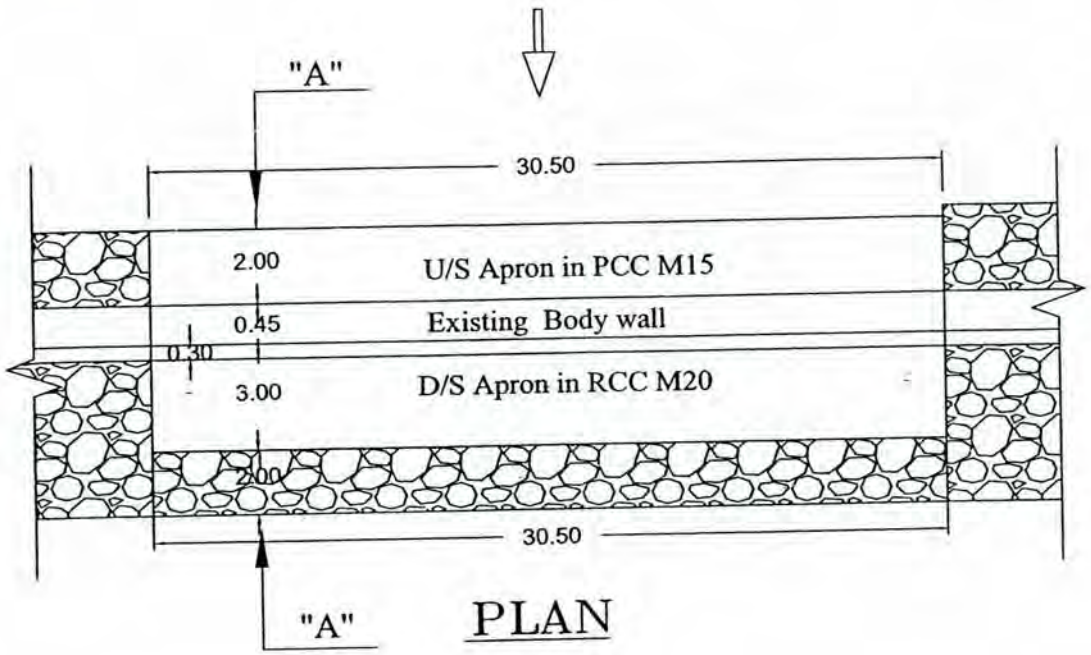

0.45
0.45
1.20
8.10
0.45
0.75
3.00
C:C 1:2:4 USING 20 MM HBGS JELLY
3 m
T.B.L 56.460
M.W.L 55.210
F.T.L 54.600
RCC SLAB IN C:C 1 :1½ : 3, 20 CM THICK
2 ; 1
1.50
0.9
Sill
SILL + 52.750
1½: 1
0.9
7.35
1.20
0.75
LONGITUDINAL SECTION
CC 1:3:6-0.15M USING
20 MM HBGS JELLY
0.45
0.45
0.75
0.90
1.95
C/S OF BARREL
2 ; 1
3 m
1½: 1
0.15
1.20
1.50
1.20
0.15
4.20
2.40
0.675
0.75
0.675
2.40
7.05
5.45
HALF PLAN AT TOP AND HALF PLAN AT FOUNDATION
RECONSTRUCTION OF SLUICE NO -II OF
THOZHUTHAVUR TANK IN TIRUTANI TALUK
OF TIRUVALLUR DISTRICT.



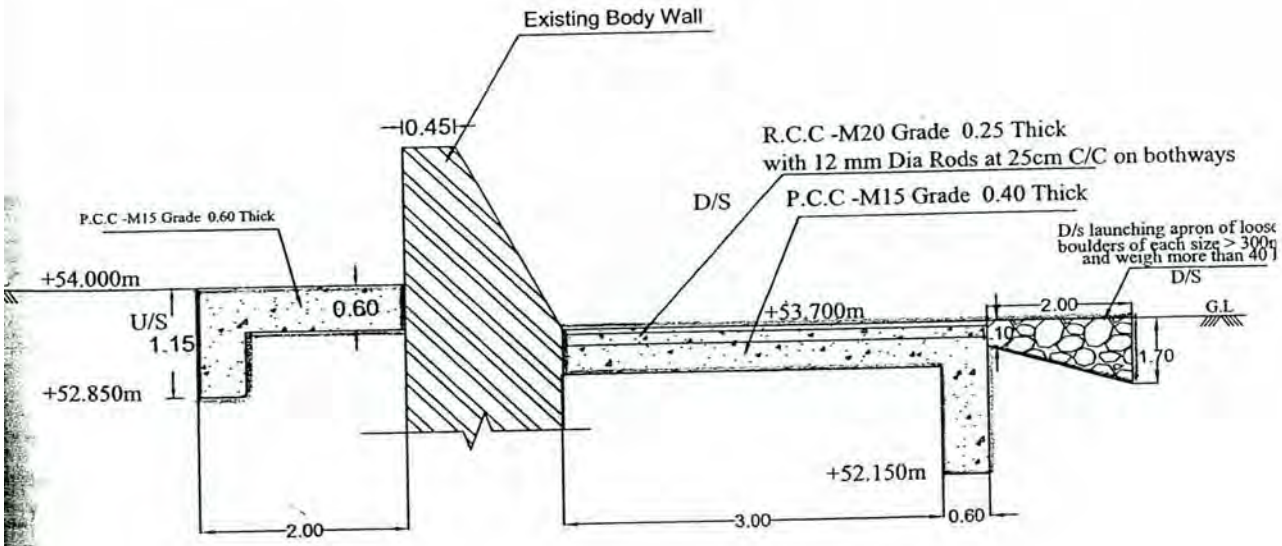
NOTE:-
Nominal cover should not deviate from the specified cover of 30mm by +10 mm & -0 mm

TYPICAL CROSS SECTION OF SLUICE BARREL

THOZHUDAVUR TANK



PLAN



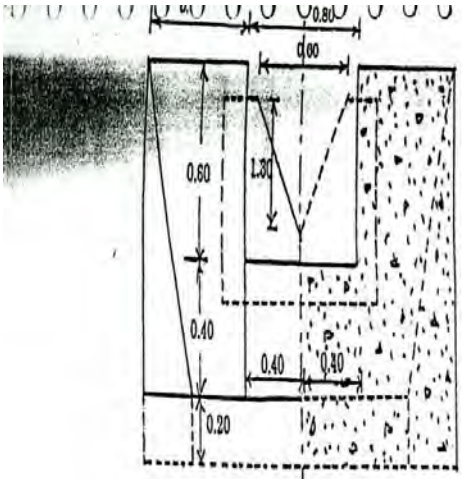
CROSS SECTION AT "AA"

the guide lines of the chief Engineer , PWD.,
furnished in his Lr.No.251CE/SE(D)/AEE IX/EE(D) IAMWARM/Dated 18-11-2009

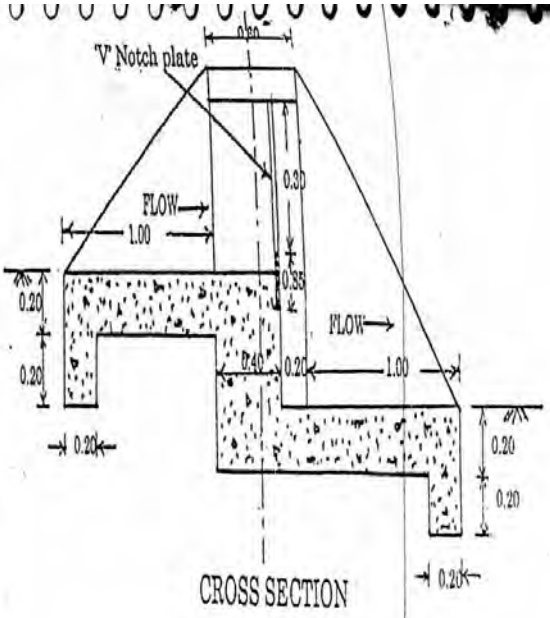
ALL DIMENSION ARE IN 'MET

NOT TO SCALE

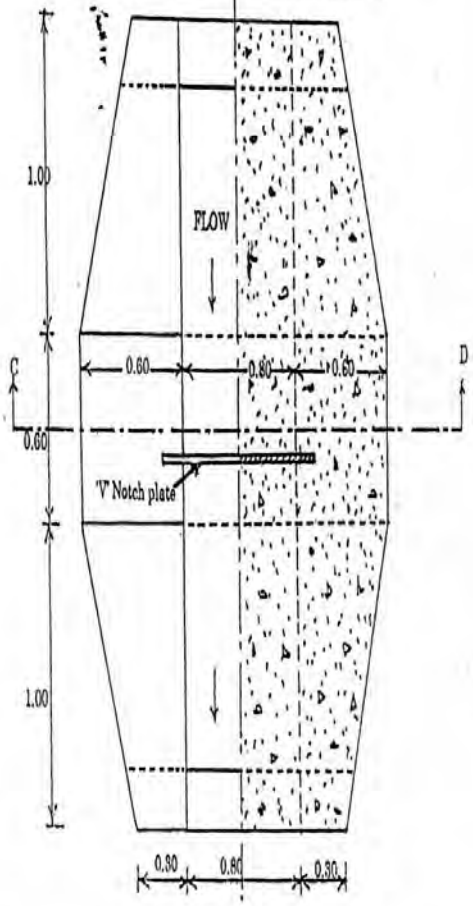
REPAIRS TO WEIR OF
THOZHUDAVUR TANK IN
THIRUTHANI TALUK OF
TIRUVALLUR DISTRICT



HALF FRONT ELEVATION AND HALF SECTIONAL ELEVATION AT 'CD'



CROSS SECTION

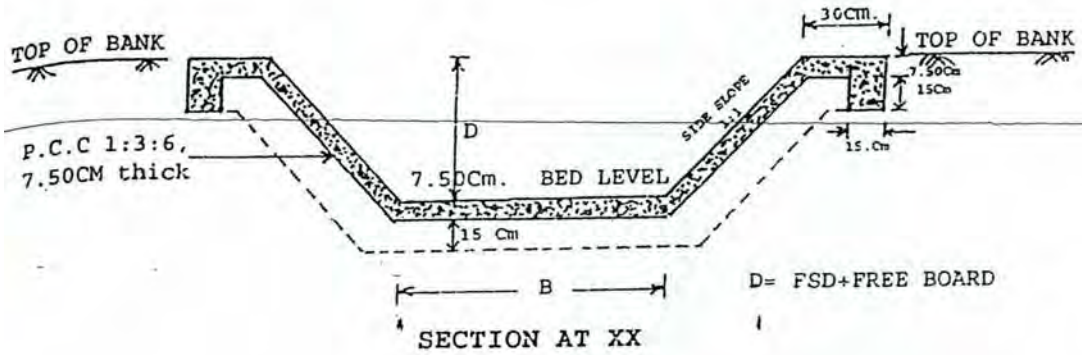


HALF PLAN AT TOP AND HALF PLAN AT BOTTOM

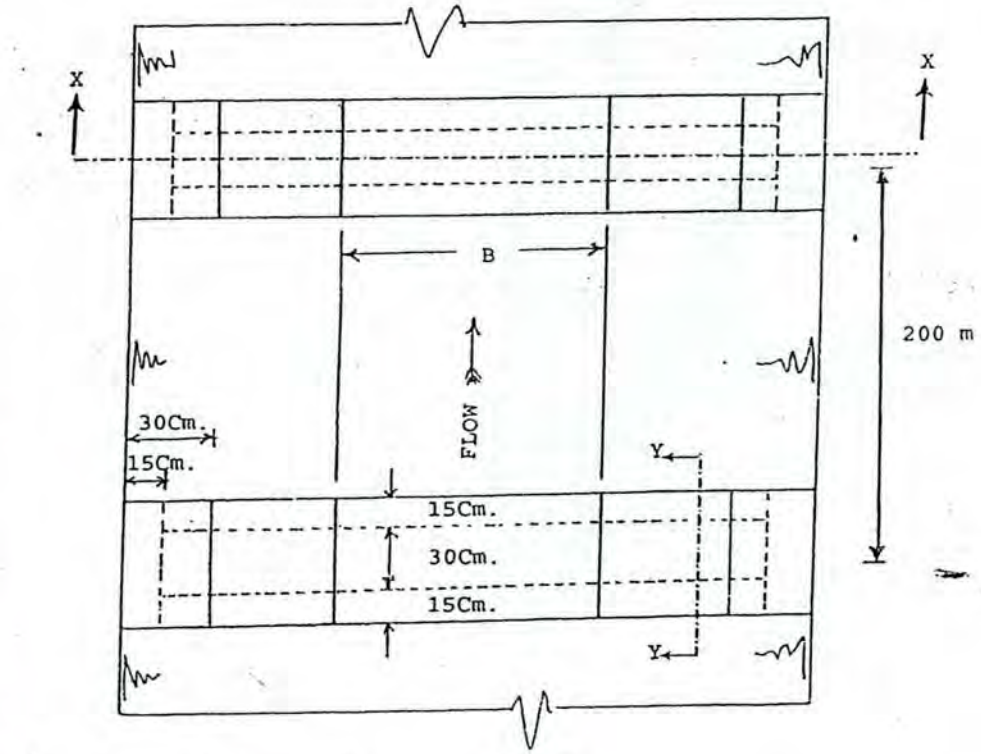
'V'-NOTCH - SALIENT DETAILS (For 1 to 4 C/s)

Discharge		Head Over Crest Cm	V Notch size Cm	Overall size Cm
Cusec	– Litre / sec			
1	28.3	20.5	25 x 50	50 x 65
2	56.6	27	30 x 60	50 x 75
3	85	32	35 x 70	55 x 90
4	113.27	36	42 x 84	60 x 100

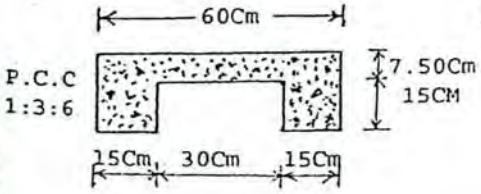
TYPICAL SKETCH OF 'V'-NOTCH



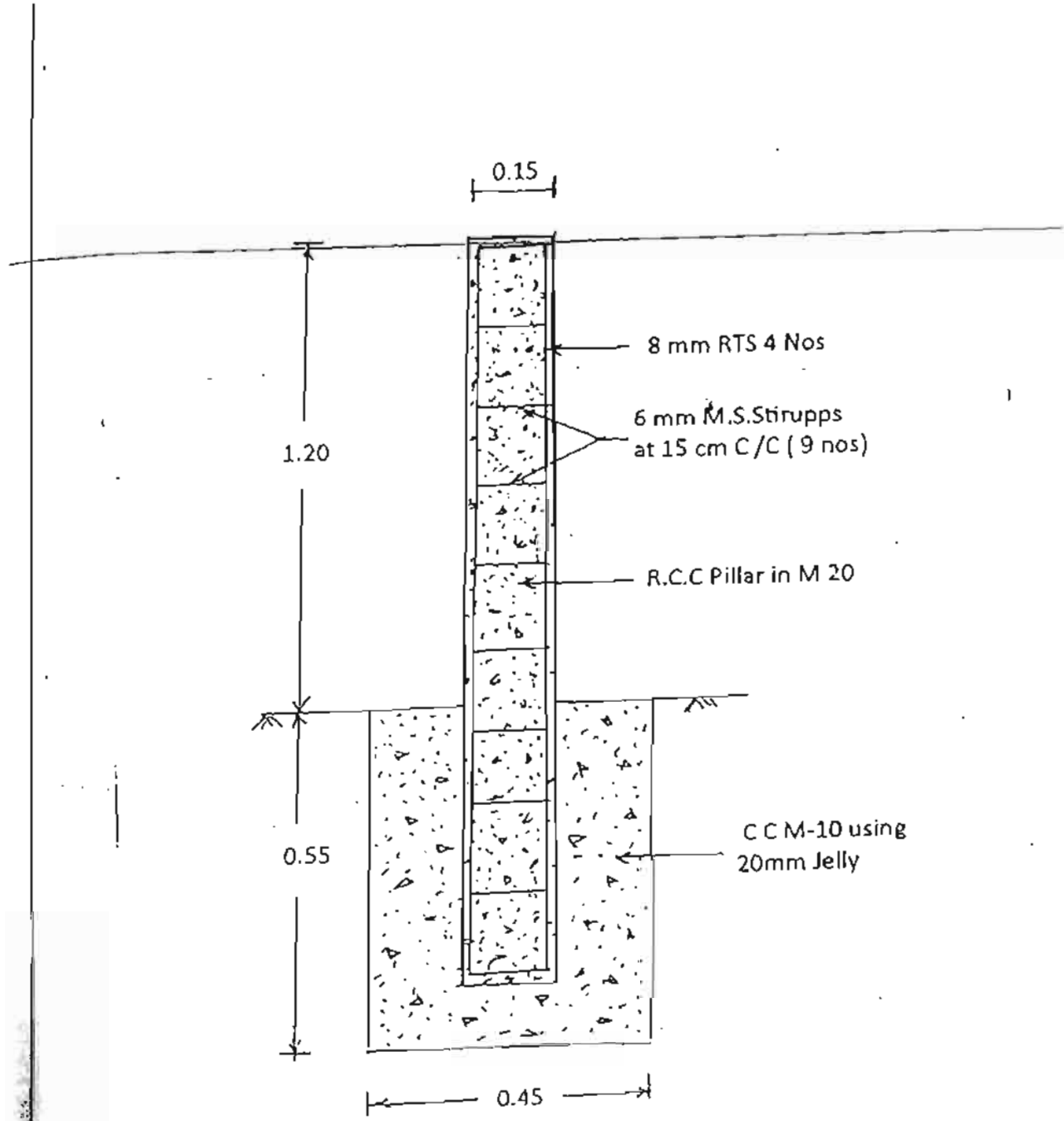
SECTION AT XX



PLAN



TYPICAL SECTION OF
BED BAR / MODEL SECTION
FOR SUPPLY CHANNEL



TYPICAL SKETCH OF
LAYING RCC POST

y

PROCUREMENT PLAN – FOR WORKS

INDIA

GOVERNMENT OF TAMILNADU

TAMILNADU IRRIGATED AGRICULTURE MODERNIZATION AND WATER RESOURCES MANAGEMENT (TN IAM WARM) PROJECT

PROCUREMENT- PLAN FOR WORKS

Name of Basin: **Kosasthalaiyar**
Name of Sub-Basin: **Kosasthalaiyar Sub Basin**
Name of Zone: **Chennai Region**
Name of Circle: **Palar Basin Circle, Chennai-5**
Name of Division: **Kosasthlaiyar Basin Division, Thiruvallur**

Sl. No.	Package No.	Description of work	Estimated cost (Rs. Lakh)	Prior /Post Review	method of Procurment ICB/NCB	Appraisal Actual/ Revised	Preparation Bid Documents	Bank's no objection to bidding document	Bid inviting date	Bid Opening date	Evaluation & Contract award Recommendation & Approval	bank No objection to contact award	Date of contract Signing (Bank to be informed)	Bank' WBR No.& Date	Date of commencement of works	Date of completion of works
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	01/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of tanks and supply channel of Kosasthalaiyar Sub Basin in Kaveripakkam, Nemili, Walaja and Sholingur Block of Arakkonam and Walaja Taluk in Vellore District.	402.58	Post Review	NCB	Appraisal Revised Actual	20.10.2010	NR	30.11.2010	31.12.2010	21.01.2011	NR	02.03.2011	NR	04.04.2011	03.10.2012

2	02/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of tanks and supply channel of Kosasthalaiyar Sub Basin in Kaveripakkam, Nemili, Walaja and Sholingur Block of Arakkonam and Walaja Taluk in Vellore District.	392.40	Post Review	NCB	Appraisal	20.10.2010	NR	30.11.2010	31.12.2010	21.01.2011	NR	02.03.2011	NR	04.04.2011	03.10.2012
						Revised										
						Actual										
3	03/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of tanks and supply channel of Kosasthalaiyar Sub Basin in Kaveripakkam Block in Arakonam Taluk in Vellore District.	598.33	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										
4	04/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of tanks and supply channel of Kosasthalaiyar Sub Basin in Kaveripakkam Surplus Channel in Nemili Block of Arakonam Taluk in Vellore District.	571.86	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										
5	05/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of tanks Kondam and supply channel of Kosasthalaiyar Sub Basin in Kaveripakkam Supply Channel of Nemili and Kaveripakkam Block of Arakkonam Taluk in Vellore District.	338.21	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										

6	06/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of tanks Kondam and supply channel of Kosasthalaiyar Sub Basin in Kaveripakkam Surplus Channel of Nemili Block of Arakkonam Taluk in Vellore District.	559.61	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										
7	07/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of tanks Kondam and supply channel of Kosasthalaiyar Sub Basin in Kaveripakkam Surplus Channel of Nemili Block of Arakkonam Taluk in Vellore District.	608.66	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										
8	08/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks of Thiruvalangadu Block in Thiruvallur District.	373.07	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										
9	09/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks of Poondi and Tiruvallur Block in Thiruvallur District.	363.86	Considered as prior review	NCB	Appraisal	20.10.2010	NR	30.11.2010	31.12.2010	21.01.2011	NR	02.03.2011	NR	04.04.2011	03.10.2012
						Revised										
						Actual										

10	10/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks of Poondi and Tiruvallur Block in Thiruvallur District.	356.44	Considered as prior review	NCB	Appraisal	20.10.2010	NR	30.11.2010	31.12.2010	21.01.2011	NR	02.03.2011	NR	04.04.2011	03.10.2012
						Revised										
						Actual										
11	11/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks of Poondi and Tiruvallur Block in Thiruvallur District.	351.36	Considered as prior review	NCB	Appraisal	20.10.2010	NR	30.11.2010	31.12.2010	21.01.2011	NR	02.03.2011	NR	04.04.2011	03.10.2012
						Revised										
						Actual										
12	12/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks in Tiruvallur Block and Uthukottai Block in Thiruvallur District.	281.60	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										
13	13/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks in Tiruvallur Block and Uthukottai Block in Thiruvallur District.	336.53	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										

14	14/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks in Tiruvallur Block and Uthukottai Block in Thiruvallur District.	224.14	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										
15	15/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks in Villivakkam Block in Thiruvallur District.	397.71	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										
16	16/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks in Villivakkam, Ponneri, Cholavaram and Minjur Block in Thiruvallur District.	363.84	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										
17	17/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of Non System tanks in Ellapuram and Minjur Block in Thiruvallur District.	325.00	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										

18	18/IAMWARM/WRD /KSR / Works / III / 2010-2011	Rehabilitation and Modernisation of tanks in Minjur Block of Ponneri Taluk in Tiruvallur District.	504.83	Post Review	NCB	Appraisal	10.11.2010	NR	26.11.2010	30.12.2010	22.01.2011	NR	09.02.2011	NR	11.03.2011	10.09.2012
						Revised										
						Actual										

ANNEXURE -3

Details of Modernization Works as Suggested by the Farmers and as Finalized by the Officials of WRO

Sl. No	Date of Visit	Name of the Villages Visited	Outcome of walk though survey and discussions with farmers	
			Works suggested by farmers	Works finalized by WRO officials
1	12.08.2008	Sayanapuram big Sayanapuram small Asanalikuppam Nelvoy S.Kolathur Senthamangalam big Senthamangalam small Thirumalpur Sayanapuram thangal	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
2	13.08.2008	Kadeperi Bagaveli Valuvambakkam Ponnappanthangal Vangur Nageleri Govindachery Govindachery kuppam Musiri	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
3	14.08.2008	Kilveethichitheri Kilveethi big Konthangarai Peraperi Vepperi big Vepperi small Kariyakudal Nemili	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
4	19.08.2008	Mangalam big	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment,	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
		Mangalam chitheri		
		Kilveeranam thangal		
		Suryakulam		
		Vedanthangal		

		Karnavur Reddivalam Thenmambakkam Thennal Punnai Vettankulam Zegeerthandalam Velleri Kilvenbakkam Melvenbakkam	Deepening of tank bed.	
5	21.08.2008	Mahendravadi Irulanodai Meenakshithangal Balakrishnapuraum Kattupakkam paleri Muniyapillaithangal Meleri Velithangiburam Arasankuppam	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
6	26.08.2008	Nariyanthangal Panabaram Kattupakkam big Maliyamedu Sathuvanatham Pudupattu big Pudupattu thangal	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
7	27.08.2008	Panapakkam Sirukarumbur Eralacheri Karivedu Kariveduchingi Avalur Sadaithangal Sankarampadi Perumbulibakkam Kalpalampattuputheri Dharmaneedhi Nangamangalam Poigainallurmeleri Poigainallurperiyathangal Poigainallurchinna thangal Poigainallurkilthangal	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
			Reconstruction of	Recontruction of

8	29.08.2008	Parameswaramangalam Manganttucheri Kadamabanallur Arigilabadi Kalleri Thirumathulampakkam	sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	sluice Repairs to weir , Strengthening tank bund and desilting of channel
9	21.01.2009	Kaveripakkam Upparnthangal Gangadaranallore Panniyur Alapakkam Pudur Kilveeranam Duraibirumbakkam kondam Jaderi Sumaithangi Marutheri	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
10	22.01.2009	Chittur big Chittur small Manavanthangal Murungai Ganapathipuram Pallur big Pallurchitheri Pallurpuderi	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
11	24.01.2009	Thakkolam big Pinnavaram Attupakkam big Attupakkam chitheri Iluppaithandalam Thakkolamkondam Iluppaithandalam kondam	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
12	02.02.2009	Thuraiyur Uliyanallur Siruvalayam	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel
13	05.02.2009	Peruvalayam Kalpalampattu Alanthangal Sivaramanthangal Suppy channel juction	Reconstruction of sluices Repairs to weirs Strengthening of Bund, Desilting of Channel Eviction of Encroachment, Deepening of tank bed.	Recontruction of sluice Repairs to weir , Strengthening tank bund and desilting of channel

14		Chakramallur	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, repairs to weir, improvements to field channel
	22.1.2009	Ganesapuram Palayanur Pulavanallur Harichandrapuram Jageermangalam		
15	24.1.2009	Periyakalakattur Villanthangal Thozhudavur Orathur J.S. Ramapuram Kalambakkam Manavur L.V. Puram Ponnankulam	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, repairs to weir, improvements to field channel
16	28.1.2009	Athipattu Gulawadi Tiruvalengadu Gulur Mavoor Kanchipadi Kaverirajapuram	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, repairs to weir, improvements to field channel
17	02.07.08	Ayalur Mettu thangal Ayalur Tank Ayathur Tank Perathur Tank Kilanur Tank Puliyur Tank Sivanvoyal Tank Pakkam Chitheri Pakkam Tank Pakkam Thangal	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
18	07.07.08	Allukuli Tank Devandavakkam Tank Kadirvedu Tank Korrakkanathandalam Jaderi Meyyur Vepperi Meyyur Large Tank Nelvoy Reddammaneri Nelvoy Koppanthangal Nelvoy Perieri and Chitheri Odaippai Big Tank Sembedu Puderi and Chitheri Thimmaboopalapuram	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.

		Thimmaboopalapuram East Tank		
		Vellathukottai Tank Vellathukottai Eracheruvu		
19	08.07.08	Ekkadu Kalayani Eri Ekkadu Big Tank Ekkadu New Twn Othikkadu Tank Sittrathur Tank Veeragavapuram Tank Karikalavakkam Tank Velliyur Big Tank Vilambakkam Tank Vilambakkam Urani thangal	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
20	10.07.08	Pinnapakkam Tank Kakkalur Tank Kalambakkam Kalayanakuppam Kalayanakuppam Kosavaneri Vadhatur Tank Melakondaiyur Tank Magral Tank Magral Naduthangal Magral Vizhuthangal	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
21	11.07.08	Thandalam Big Tank Thamaraipakkam Tank Kommkkambedu Tank Guruvoyal Tank Karani Tank Koduveli Tank Koduveli Panjathangal	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
22	15.07.08	Kalayanur Big Tank Kalayanur Chitheri Nemiliagram Tank Melvilagam Tank Vidaiyur Big Tank Vidayur Chitheri Kaivandur Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
23	16.07.08	Pattraiperbudur Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of
		Manjakuppam Tank		
		Thirupair matheri		
		Sendrayanpalayam Tank		

			channel eviction of encroachment deepening of tank bed.	channel.

24	21.07.08	Kunnavalam Tank Rangapuram Tank Krishnapuram Tank Ponnapattu Tank Attrambakkam Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
25	22.07.08	Eraiyur Big Tank Eraiyur chitheri Chitambakkam Tank Ramathandalam Tank Pullarambakkam Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
26	30.07.08.	Ramankoil Sennavaram Panambakkam Big Tank Panambakkam Big Chitheri Thenkaranai Big Tank Thenkaranai Zeemal Eri	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
27	22.01.09.	Venmanambudur Tank Thirupatchur Tank Nayapakkam Budheri Nayapakkam Chitheri Ariyathur Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
28	23.01.09.	Athivakkam Tank Alinjivakkam Tank Athingakavanur Tank Kilambakkam Tank Neiveli Tank Poorivakkam Tank Thirukandalam Tank	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.

29	07.07.08	Allukuli Tank Devandavakkam Tank Kadirvedu Tank Korrakkanathandalam Jaderi Meyyur Vepperi Meyyur Large Tank Nelvoy Reddammaneri Nelvoy Koppanthangal Nelvoy Perieri and Chitheri Odaippai Big Tank Sembedu Puderi and Chitheri Thimmaboopalapuram Thimmaboopalapuram East Tank Vellathukottai Tank Vellathukottai Eracheruvu	Reconstruction of sluices Repairs to weirs strengthening of bund, Desilting of channel eviction of encroachment deepening of tank bed.	Reconstruction of sluice Repairs to weir strengthening tank bund and desilting of channel.
30	28.01.2009	Palavedu Keelkondaiyur Mittnamallee Vellacheri Kadavoor Pandeswaram Morai Arrakkambakkam Karalapakkam Alathur Melpakkam Koilpadagai	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
31	02-02-2009	Vellanoor Pothur Pammmadukulam	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
32	11-07-2008	Gnayar Amoor	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
33	29-07-2008	Sendrambakkam Siruvakkam	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel

34	30-07-2008	Marambedu Perungavoor Tirunilai Periyamullaivoyal Sirungavoor Vazhuthiigaimedu	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
35	31-07-2008	Vitchoor Sembiyammanali Vellivoyal	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, repairs to weir, improvements to field channel
36	01-08-2008	Padiyanallur Nerkundram Agaram	Strengthening of tank bund, Desilting of channel, reconstruction of sluices,Repairs to weirs, Eviction of encroachment,lining of field channel	Strengthening of tank bund, Desilting of channel, reconstruction of sluices, reconstruction to weir, improvements to field channel
37	04.11.2008	Manjankaranai, Annathana kakavakkam, Kannigaipair, Alapakkam, 82.Panapakkam, Velapakkam,	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.

38	05.11.2008	Maladur, Kalpattu, Enambakkam, Vengal, Vadamadurai, Erumainaickan kuppam, Kakavakkam.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.
39	04.11.2008	Minjur, Merattur, Vellambakkam, Thotakadu, Neidavoyal, Kalpakkam.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.

40	06.11.2008	Vanjivakkam, Thathamanji, Kattur, Voyalur, Thiuvellavoyal, Velur,	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.
41	07.11.2008	Elavambedu, Vannipakkam, Anuppampattu, Athipattu.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.

42	12.11.2008	Athreyamagalam, Devadanam, Nalur.	Scrub jungles are to be cleared, tank to be Desilted and bund to be strengthened, Damaged sluices and weirs are to be repaired / reconstructed, supply and surplus channels are to be desilted, Shutters are to be provided for the inlets Field channels are to be linned, encroachments in the WSA are to be evicted and demarcated, Social Bore wells are to be errected, All the mordern agricultural machineries & equipments are to be provided, Ground water recharge ponds (agriculture ponds) are to be provided and Vetinary hospitals are to be provided	Instead of Complete desilting only strengthening the tank bund to the standards proposed. Lining the field channel has not proposed. Except the above all other works suggested by farmers are included and finalised.

DETAILS OF WATER USERS ASSOCIATION IN KOSASTHALAIYAR SUB BASIN

Sl.	WUA No.	Reinfed/ Non system	Name of Village	Name of Village	Ayacut in Ha.
1	**2**	**3**	**4**		**9**
	WATER USERS ASSOCIATIONS IN VELLORE DISTRICT				
1	1		Govindacherikuppam	Govindacherikuppam tank	70.05
2	2		Banavaram	Banavaram tank	102.87
3	3		Nemili	Nemili tank	
4	4		Kariyakudal	Kariyakudal tank	73.92
5	5		Synapuram	Synapuramthangal tank	48.56
6	6		Thirumadulampakkam	Thirumadulampakkam tank	44.52
7	7		Mangattucheri	Mangattucheri tank	46.54
					386.46
	WATER USERS ASSOCIATIONS IN Thiruvallur DISTRICT				
8	1		Periyakalakattur Chitteri	Periyakalakattur	53.320
9	2		Thozhudavur Chitteri	Thozhudavur	171.230
10	3		Orathur Tank	Orathur	240.720
11	4		Pakasalammal tank	Pakasalammal	172.830
12	5		J.S. Ramapuram Chitteri	J.S. Ramapuram	45.590
13	6		Kalambakkam big tank	Kalambakkam	58.940
14	7		Manavur Hissa Tank	Manavur	929.300
15	8		Pakasala Lakshmivilasapuram tank	Lakshmavilasapuram	237.580
16	9		Ponnankulam Tank	Ponnankulam	71.700
17	10		Harichandrapuram Tank	Harichandrapuram	96.200
18	11		Arumbakkam kadapperi	Vysapuram	106.480
19	11		Arumbakkam tella cheruv		
20	12		Ganesapuram Tank	Ganesapuram	67.430
21	13		Pulavanallur Tank	Pulavanallur	53.850
22	14		Chakramallur Tank	Chakramallur	58.000
23	15		Palayanur Tank	Palayanur	220.470
24	16		Jageermangalam Asaneri	Jageermangalam	158.780
25	16		Jageermangalam big tank	Jageermangalam	169.590
26	16		Jageermangalam chitteri		
27	17		Narthawada Tank	Narthawada	95.140
28	18		Tiruvalengadu Netteri	Tiruvalengadu	47.880
29	19		Gulawadi Tank	Gulawadi	61.110
30	19		Gulawadi Pattarai Tank	Gulawadi	67.430

31	20		Manjakuppam Tank	Manjakuppam	86.230
32	21		Kunnavalam Tank	Kunnavalam	43.720
33	22		Melvilagam Tank	Melvilagam	121.050
34	23		Kalaniyanur Big Tank	Kalaniyanur	72.870
35	23		Kalaniyanur Chitheri	Kalaniyanur	48.580
36	24		Nemili Agram Tank	Nemili Agram	90.690
37	25		Thenkaranai Tank	Thenkaranai	46.560
38	26		Sennavaram Tank	Sennavaram	153.890
39	26		Thenkaranai Zeemaleri	Thenkaranai	0.000
40	27		Ramankoil Tank	Ramankoil	43.720
41	28		Kaivandur Tank	Kaivandur	125.910
42	29		Panabakkam Big Tank	Panabakkam	65.790
43	29		Panabakkam Chitheri		
44	30		Vidaiyur Periya Eri	Vidaiyur	187.450
45	30		Vidaiyur Chitheri		
46	31		Venmanambudur Tank	Venmanambudur	94.330
47	32		Krishnapuram Tank	Krishnapuram	46.510
48	32		Ponnapattu Tank	Ponnapattu	45.750
49	33		Eraiyur Big Tank	Eraiyur	57.890
50	33		Eraiyur Chitheri	Eraiyur	40.620
51	34		Attrambakkam Tank	Attrambakkam	58.300
52	35		Thirukandalam Tank	Thirukandalam	112.960
53	36		Athingikavanoor Tank	Athingikavanoor	74.790
54	37		Athivakkam Tank	Athivakkam	74.790
55	38		Nayapakkam Budheri	Nayapakkam	65.580
56	38		Nayapakkam Tank	Nayapakkam	0.000
57	38		Ariyathur Tank	Ariyathur	43.320
58	39		Nambakkam Tank	Nambakkam	98.870
59	40		Kadirvedu Tank	Kadirvedu	54.650
60	41		Devandavakkam Tank	Devandavakkam	48.980
61	42		Meyyur Large Tank	Meyyur	0.000
62	43		Korrakkanathandalam Jaderi	Korrakkanathandalam	40.560
63	44		Odaippai Big Tank	Odaippai	75.270
64	45		Nelvoy Koppanthangal	Nelvoy	56.660
65	45		Nelvoy Perieri and Chitheri	Nelvoy	40.590
66	46		Nelvoy Reddammaneri	Nelvoy	120.340
67	47		Thimmaboopalapuram	Thimmaboopalapuram	89.030
68	47		Thimmaboopalapuram East Tank	Thimmaboopalapuram	59.050
69	48		Vellathukottai Eracheruvu	Vellathukottai	102.970
70	49		Rangapuram Tank	Rangapuram	44.530
71	50		Neiveli Tank	Neiveli	87.040
72	51		Ayalur Mettuthangal	Ayalur	50.850

73	52		Ayalur Tank	Ayalur	53.850
74	53		Ikkadu Kalayani Eri	Ikkadu	141.300
75	54		Ikkadu Big Tank	Ikkadu	247.370
76	55		Ikkadu New Tank	Ikkadu	334.000
77	56		Ayathur Thangal	Ayathur	67.760
78	57		Kakkalur Tank	Kakkalur	177.780
79	58		Kalambakkam	Kalambakkam	134.820
80	59		Kalayanakuppam Kos.	Kalayanakuppam	104.450
81	59		Kalayanakuppam Big Tank	Kalayanakuppam	0.000
82	60		Kilanur Tank	Kilanur	174.090
83	61		Magral Nadu thangal	Magral	55.870
84	61		Magral Vizhu thangal	Magral	72.060
85	62		Magral Tank	Magral	74.090
86	63		Melanur Tank	Melanur	108.010
87	64		Melakondaiyur Tank	Melakondaiyur	103.260
88	65		Othikadu Tank	Othikadu	106.480
89	66		Pakkam Chitheri	Pakkam	631.580
90	66		Pakkam Tank	Pakkam	143.520
91	67		Pakkam Thangal	Pakkam	133.120
92	68		Perathur	Perathur	148.180
93	69		Pinnapakkam Tank	Pinnapakkam	121.460
94	70		Puliyur	Puliyur	208.100
95	71		Sitrathur Tank	Sitrathur	88.660
96	72		Sivanvoyal	Sivanvoyal	110.120
97	73		Thandalam Tank	Thandalam	102.020
98	74		Vadhatur Tank	Vadhatur	248.180
99	75		Veeragavapuram Tank	Veeragavapuram	130.240
100	76		Vilapakkam Tank	Vilambakkam	51.310
101	76		Vilapaakkam Uranithangal	Vilambakkam	0.000
102	77		Kilambakkam Tank	Kilambakkam	122.670
103	78		Koduveli Tank	Koduveli	110.120
104	79		Kommakkambedu Tank	Kommakkambedu	131.960
105	80		Thamaraipakkam Tank	Thamaraipakkam	228.700
106	81		Karani Tank	Karani	100.000
107	82		Sembedu Puderi and Chitheri	Sembedu	163.330
108	83		Allukuli Tank	Allukuli	88.740
109	84		Thirupair Matheri Tank	Thirupair Matheri	30.360
110	84		Sendrayapalayam Tank	Sendrayapalayam	141.300
111	85		Velliyur Big Tank	Velliyur	325.510
112	86		Koduvelli panchanthangal	Koduvelli	40.490
113	87		Ramathandalam Tank	Ramathandalam	93.120

114	88		Pandur Tank	Pandur	267.210
115	89		Minjur	Minjur	115.510
116	90		Thottakadu small Tank	Thottakadu	143.035
117	91		kalpakkam large Tank	kalpakkam	113.835
118	91		Kalpakkam small Tank	Kalpakkam	joint
119	91		Vellambakkam large Tank	Vellambakkam	93.475
120	91		Vellambakam small Tank	Vellambakam	joint
121	92		Nalur large	Nalur	514.680
122	92		Nalur small	Nalur	213.705
123	93		Marambedu Tank	Marambedu	44.32
124	94		Pandeswaram Tank	Pandeswaram	170.850
125	95		Kadavoor Tank	Kadavoor	41.300
126	96		Melpakkam Tank	Melpakkam	46.560
127	97		Arakkambakkam Tank	Arakkambakkam	78.140
128	98		Vellacheri Tank	Vellacheri	104.050
129	99		Alathur Tank	Alathur	154.250
130	100		Pothur Tank	Pothur	71.26
131	101		Vengal Tank	Vengal	151.970
132	102		Poorivakkam Tank	Poorivakkam Tank	157.260
133	103		Karikalavakkam Tank	Karikalavakkam	91.500
134	104		Guruvoyal Tank	Guruvoyal	98.790
135	105		Pullarambakkam Tank	Pullarambakkam	319.430
136	106		Chithambakkam Tank	Chithambakkam	162.750
137	107		Annathanakakkavakkam Tank	Annathanakakkavakkam	91.895
138	108		Erumainaickankuppam Tank	Erumainaickankuppam	41.200
139	109		Neiveli Tank	Neiveli	67.610
140	110		Alinjivakkam Tank	Alinjivakkam	49.800
141	111		Periyakalakattur big tank	Periyakalakattur	670.850
142	112		Chinnamandalai big tank	Chinnamandalai	68.850
143	113		Madhavaram Tank	Madhavaram	42.91
144	114		Pammadukulam pudu thangal		66.40
145	114		Pammadukulam Big Tank	Pammadukulam	40.89
146	115		Vellanoor Tank	Vellanoor	159.51
147	115		Vellanoor Big Tank		50.61
148	115		Vellanoor Chitheri		43.72

149	115		Arakkambedu Tank	Arakkambedu	0.000
150	116		Mittanamallee Tank	Mittanamallee	72.060
151	117		Koilpadagai Tank	Koilpadagai	215.790
152	118		Karalapakkam Tank	Karalapakkam	96.360
153	119		Keelkondaiyur Tank	Keelkondaiyur	131.170
154	120		Palavedu Tank	Palavedu	250.200
155	120		Palavedu Thangal		251.820
156	121		Morai Tank	Morai	46.960
157	122		Voyalur vairavan thangal	Voyalur	123.315
158	122		Voyalur periathamarai	Voyalur	175.235
159	122		Voyalur chinna thamarai	Voyalur	joint
160	122		Voyalur mamanickal	Voyalur	372.960
161	123		Merattur Tank	Merattur	156.185
162	124		Thiruvellavoyal Large &small	Thiruvellavoyal	129.755
163	125		Thathamanji	Thathamanji	138.020
164	126		Neidavoyal large	Neidavoyal	354.510
165	126		Neidavoyal small	Neidavoyal	joint
166	127		Kattur	Kattur	539.755
167	128		Hebramapuram	Hebramapuram	204.105
168	129		Thirunilai Tank	Thirunilai	102.79
169	130		Vellivoyal Tank	Vellivoyal	97.94
170	131		Sembiyam Manali Tank	Sembiyammanali	236.86
171	132		Periyamullaivoyal Tank	Periyamullaivoyal	197.09
172	133		Boodur Tank	Boodur	95.53
173	134		Padiyanallur Tank	Padiyanallur	267.21
174	135		Arumandai Tank	Arumandai	94.79
175	136		Gnayar Tank	Gnayar	401.73
176	137		Pattraiperumbudur Tank	Pattraiperumbudur	264.780
177	138		Thirupatchur Tank	Thirupatchur	364.370
178	139		Vitchoor Tank	Vitchoor	313.64
179	140		Agaram Tank	Agaram	99.36
180	141		Nerkundram Tank	Nerkundram	65.21
181	142		Kadapakkam Tank	Kadapakkam	169.61
182	143		Perungavoor Tank	Perungavoor	259.68
				Total Ayacut	22825.615

PACKAGE WISE DETAILS TURFING, BED BAR, MEASURING DEVICE, DEMARCATION

Sl. No.	Package No.	Turfing	Bedbar	Measuring Device	Demarcation	Total
1	Package.1	2.26	2.54	7.80		12.60
2	Package.2	1.82	2.83	6.30		10.95
3	Package.3	1.38	0.35	1.04		2.77
4	Package.4	4.00	2.65	6.82		13.47
5	Package.5	2.26	1.85	4.20		8.31
6	Package.6	1.38	2.00	4.06		7.44
7	Package.7	1.95	2.38	3.48		7.81
8	Package.8	14.30	3.59	5.67		23.56
9	Package.9	14.96	4.14	5.20		24.30
10	Package.10	14.96	4.14	5.20		24.30
11	Package.11	14.96	4.14	5.20		24.30
12	Package.12	12.13	3.44	3.30		18.87
13	Package.13	12.13	3.45	3.30		18.88
14	Package.14	9.13	1.90	3.42	22.97	37.42
15	Package.15	7.20	0.07	2.70		9.97
16	Package.16	15.15	3.24	2.70		21.09
17	Package.17	8.40	0.98	2.57		11.95
18	Package.18	12.90	2.04	4.85		19.79
		151.28	45.73	77.81	22.97	
					Total	**297.79**