



**GOVERNMENT OF TAMIL NADU
WATER RESOURCES ORGANISATION
PUBLIC WORKS DEPARTMENT**

**TAMILNADU IRRIGATED AGRICULTURE MODERNISATION
AND WATER RESOURCES MANAGEMENT PROJECT**

**ADDITIONAL PROPOSALS FOR PROVIDING LINING OF
HEAD IRRIGATION CHANNELS AND FLOW MEASURING
DEVICES IN VARAHANADHI SUB BASIN OF PHASE I**

**VARAHANADHI SUB BASIN
DETAILED PROJECT REPORT**

ESTIMATE AMOUNT :- Rs. 546.49 LAKHS

**Lower Pennaiyar Basin Division, Villupuram.
Pennaiyar Basin Circle, Thiruvannamalai.
Chennai Region, Chennai.**

INTRODUCTION REPORT

Additional proposals for providing Lining of Head Irrigation Channel and Flow Measuring Device in Varahanadhi sub basin of Phase I under IAMWARM Project

The lining of Head irrigation channel and installation of measuring device has been proposed for Phase I and II sub basins by utilizing the Project Savings as discussed with the World Bank, during the implementation support mission from Sept 12-20th 2011.

Accordingly in the Varahanadhi sub basin of Phase I the following works have been proposed.

- i) Lining of Head irrigation channel below the tanks sluice using c.c. M 15 as per sketch enclosed
- ii) Installing flow measuring device in the Head irrigation channel as per sketch
- iii) L.S provision of 2.8 % for Provision of labour welfare @ 0.30 % and provision for contingencies, advertisement charges , photographic charges @ 2.5%

The package details are appended separately and works are proposed to be taken up under national shopping procedure

The total cost for the DPR works out to Rs.546.49 Lakhs

Executive Engineer, WRD.,
Lower Pennaiyar Basin
Division, Viluppuram.

Superintending Engineer, WRD.,
Pennaiyar Basin Circle, Tiruvannamalai-3.

Chief Engineer, WRD.,
Chennai Region, Chennai -5.

WRD

Name of Region : Chennai

Name of Circle : Pennaiyar Basin Circle,
Thiruvannamalai.Name of Division : Lower Pennaiyar Basin Division,
Viluppuram

Name of Sub Basin : Varahanadhi sub basin.

Total Number of Tanks taken up under IAMWARM -236

FORMAT - I**NO. OF TANKS, SLUICES IN EACH PACKAGE**

(Rupees in Lakhs)

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Package No.1	Mangalam Putheri	1	1	0.10	OS	50	1.15	1.25			
		Mangalam Big Tank	3	3	0.33	OS	150	3.45	3.78			
		Kothanthavadi Tank	3	3	0.32	OS	150	3.43	3.75			
		Vedanthavadi Tank	2	2	0.22	OS	100	2.28	2.50			
		Total	9	9	0.97		450	10.31	11.28	0.32	11.60	
2	Package No.2	Erumpoondi Tank	3	3	0.33	OS	150	3.45	3.78			
		Mekkalur Tank	3	3	0.33	OS	150	3.45	3.78			
		Keekkalur Tank	2	2	0.22	OS	100	2.31	2.53			
		Total	8	8	0.88		400	9.21	10.09	0.28	10.37	
3	Package No.3	Kilpennathur Big Tank	3	3	0.32	OS	150	3.40	3.72			
		Kilpennathur Kottan eri	2	2	0.21	OS	100	2.27	2.48			
		Total	5	5	0.53		250	5.67	6.20	0.17	6.37	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
4	Package No.4	Nedungunam tank	2	2	0.21	OS	100	2.25	2.46			
		Raghunathasamudram tank	1	1	0.10	OS	50	1.12	1.22			
		Melathangal tank	2	2	0.21	OS	100	2.26	2.47			
		Kalyanapuram tank	2	2	0.21	OS	100	2.26	2.47			
		Thennathur tank	2	2	0.21	OS	100	2.27	2.48			
		Total	9	9	0.94		450	10.16	11.10	0.31	11.41	
5	Package No.5	Gengampoondi tank	2	2	0.21	OS	100	2.26	2.47			
		Kilangunam tank	1	1	0.10	OS	50	1.13	1.23			
		Chitharugavur tank	1	1	0.10	OS	50	1.13	1.23			
		Madam Hissa Kolathur tank	4	4	0.42	OS			0.42			
		Desur Big tank	3	3	0.31	OS			0.31			
		Desur chitheri	2	2	0.21	OS	100	2.25	2.46			
		Seeyamangalam tank	2	2	0.21	OS	100	2.26	2.47			
		Kunnagampoondi tank	3	3	0.31	OS			0.31			
		Vedal tank	2	2	0.21	OS			0.21			
				Total	20	20	2.08		400	9.03	11.11	0.31

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
6	Package No.6	Pennatagaram tank	1	1	0.10	OS	50	1.13	1.23			
		Kilnamandy tank	1	1	0.10	OS	50	1.13	1.23			
		Kilputhur tank	1	1	0.10	OS	50	1.13	1.23			
		Gudalur tank	2	2	0.20	OS	100	2.25	2.45			
		Achamangalam tank	2	2	0.21	OS			0.21			
		Nerkunam tank	3	3	0.31	OS	150	3.38	3.69			
		Korakkottai tank	1	1	0.10	OS	50	1.13	1.23			
		Total	11	11	1.12		450	10.15	11.27	0.32	11.59	
7	Package No.7	Thenpalai Periya Eri	1	1	0.10	OS	50	1.12	1.22			
		Thenpalai Chitteri	1	1	0.10	OS	50	1.12	1.22			
		Thenpalai Hanuman Eri	2	2	0.21	OS	100	2.26	2.47			
		Sevalapurai Tank	2	2	0.21	OS	100	2.25	2.46			
		Manandhal Tank	1	1	0.11	OS	50	1.13	1.24			
		Kovilpuraiyur Tank	1	1	0.10	OS	50	1.12	1.22			
		Thalankunam Tank	1	1	0.10	OS	50	1.11	1.21			
		Total	9	9	0.93	OS	450	10.11	11.04	0.31	11.35	
8	Package No.8	Kappalambadi Tank	2	2	0.20	OS	100	2.23	2.43			
		Kundalampattu Eri	1	1	0.10	OS	50	1.11	1.21			
		Kottapoondi Tank	2	2	0.20	OS	100	2.23	2.43			
		Unnamandhal Tank	2	2	0.20	OS	100	2.23	2.43			
		Naranamangalam Tank	1	1	0.10	OS	50	1.12	1.22			
		Total	8	8	0.80		400	8.92	9.72	0.27	9.99	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
9	Package No.9	Melsevalampadi Tank	2	2	0.21	OS	100	2.24	2.45			
		Paruthipuram Tank	2	2	0.20	OS	100	2.24	2.44			
		Annamangalam Tank	2	2	0.21	OS	100	2.25	2.46			
		Devanur Pee Eri	1	1	0.10	OS	50	1.19	1.29			
		Devanur Agraharathu Eri	1	1	0.11	OS	50	1.13	1.24			
		Total	8	8	0.83		400	9.05	9.88	0.28	10.16	
10	Package No.10	Samathakuppam Tank	1	1	0.10	OS	50	1.13	1.23			
		Peruvallur Tank	1	1	0.11	OS	50	1.13	1.24			
		Thurunjipoondi Tank	1	1	0.10	OS	50	1.13	1.23			
		Melmanur Tank	1	1	0.10	OS	50	1.13	1.23			
		Eyyakunam Tank	1	1	0.10	OS	50	1.13	1.23			
		Vadapalai Tank	1	1	0.10	OS	50	1.13	1.24			
		Kalathampattu Tank	1	1	0.11	OS	50	1.13	1.24			
		Total	7	7	0.73		350	7.91	8.64	0.24	8.88	

Package SI.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remarks
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
11	Package No.11	Odiyathur Tank	2	2	0.20	OS	100	2.41	2.61			
		Thandavasamuthiram Kadaperi.	2	2	0.21	OS	100	2.45	2.66			
		Anai eri Tank	2	2	0.20	OS	100	2.42	2.62			
		Thuthiupattu Amman eri	1	1	0.11	OS	50	1.25	1.35			
		Total	7	7	0.72		350	8.52	9.24	0.26	9.50	
12	Package No.12	Pazhavalam Tank	2	2	0.21	OS	100	2.36	2.57			
		Sirunampoondi Tank	1	1	0.11	OS	50	1.21	1.32			
		Madapoondi Tank	2	2	0.21	OS	100	2.48	2.69			
		Karai jammbody Tank	1	1	0.11	OS	50	1.23	1.33			
		Total	6	6	0.63		300	7.28	7.91	0.22	8.13	
13	Package No.13	Nallampillaipetral perieri	3	3	0.31	OS	150	3.94	4.25			
		Kavarai Tank	1	1	0.10	OS	50	1.20	1.31			
		Mathur thirukai Tank	1	1	0.11	OS	50	1.23	1.34			
		Total	5	5	0.52		250	6.38	6.90	0.19	7.09	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
14	Package No.14	Paddipallam Tank	2	2	0.21	OS	100	2.47	2.68			
		Perungapur Tank	2	2	0.20	OS	100	2.39	2.60			
		Se-pattai Tank	3	3	0.31	OS	150	3.71	4.02			
		Total	7	7	0.72		350	8.58	9.29	0.26	9.55	
15	Package No.15	Nallampillaipetral Salaputhur Tank	3	3	0.31	OS	150	3.98	4.29			
		Konalur Tank	1	1	0.11	OS	50	1.24	1.35			
		Mel -Pamppambadi Tank	1	1	0.11	OS	50	1.24	1.35			
		Total	5	5	0.52		250	6.46	6.98	0.20	7.17	
16	Package No.16	Sennalur Tank	1	1	0.11	OS	50	1.23	1.34			
		Oddambattu Tank	1	1	0.11	OS	50	1.12	1.22			
		Gangavaram Tank	1	1	0.11	OS	50	1.25	1.36			
		Allampoondi Tank	2	2	0.20	OS	100	2.39	2.60			
		Devathanampettai Tank	2	2	0.21	OS	100	2.44	2.65			
		Total	7	7	0.73		350	8.44	9.17	0.26	9.42	

Package SI.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remarks
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
17	Package No.17	Semmadu Tank	3	3	0.30	OS	150	3.61	3.91			
		Pakkam Tank	3	3	0.31	OS	150	3.66	3.96			
		So-Kuppam Tank	2	2	0.21	OS	100	2.44	2.64			
		Total	8	8	0.82		400	9.71	10.52	0.29	10.82	
18	Package No.18	Sathiyamangalam Tank	2	2	0.20	OS	100	2.42	2.62			
		Thandavasamutharam Kommetueri	2	2	0.21	OS	100	2.45	2.66			
		Total	4	4	0.41		200	4.87	5.28	0.15	5.43	
19	Package No.19	Kallapuliyur Tank	2	2	0.21	OS	100	2.32	2.53			
		Irumbuli Tank	2	2	0.20	OS	100	2.30	2.50			
		Perumpoondi Tank	1	1	0.11	OS	50	1.23	1.34			
		Kariyamangalam Tank	1	1	0.11	OS	50	1.23	1.34			
		Mel Kalavai Tank	1	1	0.11	OS	50	1.23	1.34			
		Eachur Tank	1	1	0.11	OS	50	1.18	1.29			
		Total	8	8	0.85		400	9.50	10.34	0.29	10.63	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
20	Package No.20	Perumpugai Tank	2	2	0.20	OS	100	2.34	2.54			
		Kadambur Tank	1	1	0.10	OS	50	1.19	1.29			
		Agalur Tank	2	2	0.20	OS	100	2.35	2.55			
		Mel - Olakkuur Citheri	2	2	0.20	OS	100	2.40	2.60			
		Total	7	7	0.70		350	8.29	8.99	0.25	9.24	
21	Package No.21	Koravanandal Tank	1	1	0.10	OS	50	1.20	1.31			
		Thondur Tank	2	2	0.20	OS	100	2.42	2.62			
		Illodu Tank	2	2	0.20	OS	100	2.41	2.61			
		Chellapirati Tank	1	1	0.11	OS	50	1.22	1.33			
		Total	6	6	0.62		300	7.25	7.87	0.22	8.09	
22	Package No.22	Ethanemili Tank	3	3	0.30	OS	150	3.90	4.20			
		Mahadevimangalam Tank	2	2	0.20	OS	100	2.35	2.55			
		Veeranamur Tank	3	3	0.28	OS	150	3.55	3.83			
		Total	8	8	0.78		400	9.80	10.57	0.30	10.88	
23	Package No.23	Panapakkan Tank	2	2	0.20	OS	100	2.39	2.60			
		Vallam Tank	2	2	0.20	OS	100	2.37	2.57			
		Mel - Sithamur Tank	2	2	0.20	OS	100	2.40	2.60			
		Total	6	6	0.60		300	7.16	7.77	0.22	7.99	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
24	Package No.24	Arugavoor - Hisa Tank	3	3	0.28	OS	150	3.58	3.85			
		Arugavoor Sivanandal Tank	2	2	0.20	OS	100	2.41	2.62			
		Bonthairantham Tank	1	1	0.11	OS	50	1.21	1.32			
		Aanathur Tank	2	2	0.20	OS	100	2.36	2.56			
		Total	8	8	0.79		400	9.56	10.35	0.29	10.64	
25	Package No.25	Mattaparai Tank	2	2	0.19	OS	100	2.64	2.83			
		Kappai Tank	1	1	0.12	OS	10	0.26	0.38			
		Kadagumpoondai Tank	2	2	0.19	OS	100	2.60	2.79			
		Kongarapattu Tank	2	2	0.19	OS	100	2.56	2.75			
		Kurinjpai Tank	2	2	0.19	OS	100	2.59	2.78			
		Total	7	7	0.88		410	10.65	11.53	0.32	11.85	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
26	Package No.26	Singavaram Tank	2	2	0.19	OS	100	2.57	2.75			
		Meleddyalam Tank	2	2	0.19	OS	100	2.57	2.76			
		Pallapattu Tank	1	1	0.10	OS	50	1.26	1.36			
		Thudupakkam Tank	2	2	0.19	OS	100	2.57	2.76			
		Total	7	7	0.66		350	8.97	9.64	0.27	9.91	
27	Package No.27	Jambothy Tank	3	3	0.25	OS	150	3.65	3.90			
		Mel -Seevour Tank	3	3	0.25	OS	150	3.60	3.85			
		Total	6	6	0.50		300	7.25	7.75	0.22	7.96	
28	Package No.28	Thaiyur Tank	2	2	0.19	OS	100	2.59	2.78			
		Thiruvampattu Tank	2	2	0.19	OS	100	2.63	2.82			
		Thiruvathikunnam Tank	2	2	0.19	OS	100	2.63	2.82			
		Total	6	6	0.57		300	7.85	8.42	0.24	8.65	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
29	Package No.29	Marur Tank	1	1	0.12	OS	50	0.93	1.06			
		Ponpathy Tank	2	2	0.19	OS	100	2.56	2.74			
		Kalladikuppam Tank	2	2	0.19	OS	100	2.61	2.80			
		Total	5	5	0.50	0	250	6.10	6.60	0.18	6.78	
30	Package No.30	Kallalippattu Tank	2	2	0.19	OS	100	2.62	2.82			
		Sorathur Tank	2	2	0.19	OS	100	2.62	2.82			
		Kammandur Tank	2	2	0.19	OS	100	2.61	2.80			
		Total	6	6	0.57		300	7.86	8.43	0.24	8.66	
31	Package No.31	Rettanai Thangal Tank	1	1	0.11	OS	50	1.23	1.34			
		Naradikuppam Tank	2	2	0.20	OS	100	2.42	2.62			
		Vengandur Tank	1	1	0.11	OS	50	1.22	1.33			
		Chendur Tank			0.00	OS	0	0.00				
		V. Nallalam Tank	2	2	0.21	OS	100	2.50	2.71			
		V.Panchalam Tank	2	2	0.21	OS	100	2.43	2.63			
		Total	8	8	0.83		400	9.80	10.63	0.30	10.93	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
				5	6	7	8	9				
32	Package No.32	Sithani Tank	1	1	0.11	OS	50	1.25	1.35			
		Vilangambadi Tank	1	1	0.11	OS	50	1.24	1.34			
		Kothamangalam Tank	1	1	0.11	OS	50	1.26	1.37			
		Sendiyampakkam Tank	2	2	0.21	OS	100	2.46	2.67			
		Chinnanerkunnam Tank	1	1	0.11	OS	50	1.23	1.33			
		Total	6	6	0.64		300	7.43	8.06	0.23	8.29	
33	Package No.33	Pathirapuliyaur Tank	1	1	0.11	OS	50	1.25	1.36			
		Thenalapakkam Tank	2	2	0.21	OS	100	2.46	2.66			
		Vizhukkam Tank	2	2	0.21	OS	100	2.43	2.64			
		Elamangalam Tank	2	2	0.21	OS	100	2.43	2.63			
		Deevanur Tank	--	--	-	OS		--	--			
		Puliyannur Tank	1	1	0.11	OS	50	1.23	1.23			
		Total	8	8	0.83		400	9.80	10.53	0.29	10.82	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
34	Package No.34	Vidur Tank	2	2	0.21	OS	100	2.46	2.67			
		Ponnampoondi Tank	1	1	0.11	OS	50	1.25	1.36			
		Korakkari Tank	2	2	0.20	OS	100	2.41	2.61			
		Eraiyrur Tank	2	2	0.21	OS	100	2.43	2.63			
		Total	7	7	0.73		350	8.55	9.28	0.26	9.54	
35	Package No.35	Nemili Tank	2	2	0.21		100	2.47	2.68			
		Thollamur Tank	1	1	0.11	OS	50	1.24	1.35			
		Thiruvakkarai Tank	2	2	0.21	OS	100	2.43	2.63			
		Sengamedu Tank	1	1	0.11	OS	50	1.23	1.34			
		Total	6	6	0.63		300	7.37	8.00	0.22	8.23	
36	Package No.36	Veerangipuram Tank	2	2	0.20	OS	100	2.39	2.59			
		Sennakunam Tank	2	2	0.20	OS	100	2.37	2.58			
		Vellaiyampattu Tank	3	3	0.30	OS	150	3.51	3.81			
		Porur Hissa Tank	1	1	0.12	OS	50	1.18	1.30			
		Hanumanthapuram Iyyanar Eri	1	1	0.12	OS	50	1.19	1.31			
		Total	9	9	0.94		450	10.64	11.58	0.32	11.90	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
37	Package No.37	Velleripattu Tank	2	2	0.22	OS	100	2.34	2.55			
		Athiyur Thirukkai Tank	2	2	0.22	OS	100	2.34	2.56			
		Thirukunam Tank	2	2	0.22	OS	100	2.33	2.54			
		Anniyur Tank	3	3	0.31	OS	150	3.48	3.79			
		Total	9	9	0.96		450	10.48	11.44	0.32	11.76	
38	Package No.38	Semmedu Tank	1	1	0.12	OS	50	1.18	1.30			
		Veeramur Hissa Tank	2	2	0.22	OS	100	2.33	2.55			
		Kakkanur Periya Eri	3	3	0.31	OS	150	3.46	3.77			
		Ariyalur Thirakkai Tank	2	2	0.22	OS	100	2.37	2.59			
		Palliyandur Tank	1	1	0.12	OS	50	1.20	1.32			
		Total	9	9	0.99		450	10.54	11.53	0.32	11.86	
39	Package No.39	Malligaipattu Tank	2	2	0.22	OS	100	2.37	2.59			
		Kangeyanur Periya Eri	2	2	0.22	OS	100	2.36	2.58			
		Kangeyanur iyyan Eri	1	1	0.12	OS	50	1.19	1.32			
		Kuppam Eri	3	3	0.31	OS	150	3.49	3.81			
		Total	8	8	0.87		400	9.42	10.29	0.29	10.57	

Package SI.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remarks
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
40	Package No.40	Karungalipattu Tank	2	2	0.22	OS	100	2.35	2.56			
		Maragathapuram Tank	4	4	0.41	OS	200	4.66	5.07			
		Pidagam Large Tank	2	2	0.22	OS	100	2.35	2.57			
		Total	8	8	0.84		400	9.36	10.20	0.29	10.49	
41	Package No.41	Pidagam Sitheri	2	2	0.22	OS	100	2.35	2.57			
		Kandamanadi Tank	2	2	0.22	OS	100	2.35	2.57			
		Valuthareddy Large Tank	3	3	0.31	OS	150	3.50	3.81			
		Alathur Tank	1	1	0.12	OS	50	1.19	1.31			
		Total	8	8	0.87		400	9.39	10.26	0.29	10.55	
42	PackageNO .42	Virattikuppam Tank	1	1	0.12	OS	50	1.18	1.30			
		Muthampalayam Tank	2	2	0.22	OS	100	2.34	2.55			
		Ayyur Agaram Tank	4	4	0.41	OS	200	4.65	5.05			
		Orathur Tank	2	2	0.22	OS	100	2.35	2.57			
		Total	9	9	0.96		450	10.52	11.48	0.32	11.81	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
43	PackageNO .43	Nangathur Tank	2	2	0.20	OS	100	2.40	2.60			
		Muttathur Tank	1	1	0.10	OS	50	1.24	1.34			
		s.puthur Tank	1	1	0.11	OS	50	1.26	1.37			
		S.kunnathur Tank	2	2	0.20	OS	100	2.43	2.63			
		S.Kolapakkam Tank	2	2	0.21	OS	100	2.46	2.67			
		TOTAL	8	8	0.82		400	9.79	10.61	0.30	10.91	
44	PackageNO .44	Mandagapattu Tank	2	2	0.20	OS	100	2.40	2.60			
		Esalam Tank	1	1	0.11	OS	50	1.27	1.38			
		Melkarani Tank	1	1	0.11	OS	50	1.25	1.36			
		Elusempon Tank	1	1	0.11	OS	50	1.25	1.36			
		Kanjanur Tank	1	1	0.11	OS	50	1.25	1.36			
		Adhanur Tank	2	2	0.20	OS	100	2.42	2.62			
		TOTAL	8	8	0.84		400	9.84	10.68	0.30	10.98	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
45	PackageNO .45	Brammadasam Tank	1	1	0.11	OS	50	1.26	1.37			
		Echankuppam Tank	1	1	0.11	OS	50	1.26	1.37			
		Nemur Tank	2	2	0.20	OS	100	2.42	2.62			
		Nandhivadi Tank	1	1	0.11	OS	50	1.25	1.36			
		Asur Tank	2	2	0.20	OS	100	2.45	2.65			
		Kootiyampoondi Tank	1	1	0.11	OS	50	1.27	1.38			
		TOTAL	8	8	0.84		400	9.91	10.75	0.30	11.05	
46	PackageNO .46	Kogarampoondi Tank	1	1	0.11	OS	50	1.28	1.39			
		V.Salai Tank	4	4	0.40	OS	200	4.84	5.24			
		Ulgampoondi Tank	2	2	0.20	OS	100	2.44	2.64			
		Panayapuram Tank	1	1	0.11	OS	50	1.26	1.37			
		TOTAL	7	7	0.82		400	9.82	10.64	0.30	10.94	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
47	PackageNO .47	Sathanur Papnampaattu Tank	3	3	0.30	OS	150	3.60	3.90			
		Rathapuram Big Tank	1	1	0.10	OS	50	1.24	1.34			
		Rathapuram Small Tank	1	1	0.10	OS	50	1.24	1.34			
		Rathapuram iyanar Tank	1	1	0.10	OS	50	1.24	1.34			
		Rathapuram otteri Tank	1	1	0.10	OS	50	1.24	1.34			
		TOTAL	7	7	0.70		350	8.56	9.26	0.26	9.52	
48	PackageNO .48	Vikkiravandi Tank	5	5	0.50	OS	250	5.94	6.44			
		Sayaduvinnam Tank	2	2	0.20	OS	100	2.39	2.59			
		Vishwareddy palayam Tank	2	2	0.20	OS	100	2.56	2.76			
		TOTAL	9	9	0.90		450	11	11.79	0.33	12.12	
49	PackageNO .49	Mungilpattu Tank	2	2	0.20	OS	100	2.39	2.59			
		Mathurapakkam arsathangal Tank	1	1	0.10	OS	50	1.24	1.34			
		Poyyapakam Tank	3	3	0.30	OS	150	3.63	3.93			
		Kakuppam Tank	2	2	0.20	OS	100	2.44	2.64			
		TOTAL	8	8	0.80		400	9.70	10.50	0.29	10.79	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
50	PackageNO .50	Senganthangal Tank	2	2	0.20	OS	100	2.43	2.63			
		Kappiyampur sumall Tank	1	1	0.10	OS	50	1.24	1.34			
		Pagandai Tank	2	2	0.20	OS	100	2.41	2.61			
		Korakkanthangal Tank	2	2	0.20	OS	100	2.38	2.58			
		TOTAL	7	7	0.70		350	8.46	9.16	0.26	9.42	
51	PackageNO .51	V.Maruthur Tank	3	3	0.30	OS	150	3.59	3.89			
		Salamadu ponnari Tank	2	2	0.20	OS	100	2.42	2.62			
		Salmadu iyanar Eri Tank	2	2	0.20	OS	100	2.42	2.62			
		Panampattu Tank	2	2	0.20	OS	100	2.44	2.64			
		TOTAL	9	9	0.90		450	10.87	11.77	0.33	12.10	
52	PackageNO. 52	Anangur Tank	3	3	0.30	OS	150	3.61	3.91			
		Kavanipakkam Tank	1	1	0.10	OS	50	1.24	1.34			
		V.Agaram periyaeri Tank	2	2	0.21	OS	100	2.47	2.68			
		Kaspakarani Tank	1	1	0.10	OS	50	1.24	1.34			
		TOTAL	7	7	0.71		350	8.56	9.27	0.26	9.53	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
53	Package No.53	Naraiyur Tank	2	2	0.20	OS	100	2.42	2.62			
		Siruvanthadu Tank	2	2	0.21	OS	100	2.43	2.63			
		Kothampakkam Tank	1	1	0.11	OS	50	1.22	1.32			
		Total	5	5	0.52		250	6.06	6.58	0.18	6.76	
54	Package No.54	Pallineliyanur Tank	1	1	0.11	OS	100	1.22	1.33			
		Vahuthavur Tank	3	3	0.30	OS	150	3.58	3.88			
		Total	4	4	0.41		250	4.80	5.20	0.15	5.35	
55	Package No.55	Pallipudupattu Tank	1	1	0.11	OS	50	1.23	1.34			
		Mandagapattu Tank	2	2	0.20	OS	150	2.41	2.61			
		Azhiyur Tank	2	2	0.20	OS	100	2.41	2.62			
		Chinnababusamuthiram Tank	2	2	0.21	OS	100	2.43	2.63			
		Total	7	7	0.72		400	8.48	9.20	0.258	9.45	

Package Sl.No	Package No.	Name of Tank	No. of Sluices	Flow Measuring Device		Lining of Head irrigation channels			Total Amount	LS Provision @ 2.80%	Grand Total	Remark s
				No	Amount	Type of soil BC / OS	Length in m	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13
56	Package No.56	Navamal Kapper Tank	2	2	0.21	OS	100	2.43	2.63			
		Chithalampattu Tank	3	3	0.30	OS	150	3.50	3.79			
		Kodukur Tank	2	2	0.19	OS	100	2.43	2.62			
		Total	7	7	0.69		350	8.36	9.05	0.25	9.30	
Grand total			419	419	43.37		20460	488.36	531.60	14.88	546.49	

Certified that the Tanks included in the originally approved DPR of Varahanadhi sub basin alone are considered now.

Certified that the above works have not been taken up in any other project.

Certified that the field / Head irrigation channel drawing type I is adopted in 236 Numbers of tanks having soil other black cotton soil.

Certified that the field /Head Irrigation channel drawing type II is adopted in Nil number of tanks having block cotton soil.

Executive Engineer, WRD.,
Lower Pennaiyar Basin
Division, Viluppuram.

Superintending Engineer,
WRD.,
Pennaiyar Basin Circle,
Tiruvannamalai-3.

Chief Engineer, WRD.,
Chennai Region, Chennai -5.

PWD/WRD

Name of Region : Chennai

Name of Circle : Pennaiyar Basin Circle,
Thiruvannamalai.

Name of Division : Lower Pennaiyar Basin Division,
Viluppuram

Name of Sub Basin : Varahanadhi sub basin.

Total Number of Tanks taken up under IAMWARM -236

Method of Procurement :National Shopping

(Note: Procurment plan to be got approved by World Bank Separeately)

FORMAT -II

PACAKGEWISE ABSTRACT

Sl. No.	Package No.	Name of Work	No. of tanks	No. of flow measuring devices	Length of Head Irrigation channels	Estimate Amount including LS (Rupees in Lakhs)	Remarks
1	2	3	4	5	6	7	8
1	01 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Mangalam Putheri , Mangalam Big Tank, Kothanthavadi Tank & Vedanthavadi Tank of Kilpennathur block and Thurinjapuram block in Tiruvannamalai district	4	9	450	11.60	
2	02 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Erumpoondi Tank, Mekkalur Tank & Keekkalur Tank of Kilpennathur block and Thurinjapuram block in Tiruvannamalai district	3	8	400	10.37	
3	03 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Kilpennathur Big Tank & Kilpennathur Kottan eri of Kilpennathur block and Thurinjapuram block in Tiruvannamalai district	2	5	250	6.37	

4	04 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Nedungunam tank, Raghunathasamudram tank, Melathangal tank & Kalyanapuram tank Thennathur tank of Thellar and Peranamallur block in Vandavasi taluk of Tiruvannamalai district	5	9	450	11.41	
5	05 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of , Gengampoondi tank, Kilangunam tank, Chitharugavur tank, Madam Hissa Kolathur tank, Desur Big tank, Desur chitheri , Seeyamangalam tank, Kunnagampoondi tank & Vedal tank of Thellar and Peranamallur block in Vandavasi taluk of Tiruvannamalai district	9	20	400	11.42	
6	06 / IAMWARM/WR O/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Pennattagaram Tank , Kilnamandy Tank , Kilputhur Tank, Gudalur Tank , , Achamangalam Tank, Nerkunam Tank & Korakkottai Tank of Thellar block in Vandavasi taluk of Tiruvannamalai district	7	11	450	11.59	
7	07 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Thenpalai Periya Eri , Thenpalai Chitteri , Thenpalai Hanuman Eri, Sevalapurai Tank , Manandhal Tank , Kovilpuraiyur Tank & Thalankunam Tank of Melmalayanur Block in Gingee taluk of Viluppuram district	7	9	450	11.35	
8	08 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Kappalambadi Tank , Kundalampattu Eri , Kottapoondi Tank , Unnamandhal Tank & Naranamangalam Tank of Melmalayanur Block in Gingee taluk of Viluppuram district	5	8	400	9.99	
9	09 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Melsevalampadi Tank , Paruthipuram Tank , Annamangalam Tank , Devanur Pee Eri & Devanur Agraharathu Eri of Melmalayanur Block in Gingee taluk of Viluppuram district	5	8	400	10.16	

10	010 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Samathakuppam Tank , Peruvallur Tank , Thurunjipoondi Tank , Melmanur Tank , Eyyakunam Tank , Vadapalai Tank & Kalathampattu Tank of Melmalayanur Block in Gingee taluk of Viluppuram district	7	7	350	8.88	
11	11 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Odiyathur Tank, Thandavasamuthiram Kadaperi , Anai eri Tank, Thuthiupattu Amman eri, Tank of Gingee block in Gingee taluk of Viluppuram district	4	7	350	9.50	
12	12 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Pazhavalam Tank, Sirunampoondi Tank, Madapoondi Tank, Karai jammbodi Tank Sennalur Tank & Gangavaram Tank of Gingee block in Gingee taluk of Viluppuram district	4	6	300	8.13	
13	13 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of, Nallampillaipetral perier Tank, Kavarai Tank, Mathur thirukai Tank, of Gingee block in Gingee taluk of Viluppuram district	3	5	250	7.09	
14	14 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Paddipallam Tank, Perungapur Tank, , Se-pattai Tank of Gingee block in Gingee taluk of Viluppuram district	3	7	350	9.55	
15	15 / IAMWARM/WR O/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Nallampillaipetral Salaputhur Tank, Konalur Tank & Melpampambadi Tank of Gingee block in Gingee taluk of Viluppuram district	3	5	250	7.17	
16	16 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Sennalur Tank, Oddambattu Tank Gangavaram , Allampoondi Tank & Devathanam pettai Tank of Gingee block in Gingee taluk of Viluppuram district	5	7	350	9.42	

17	17 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Semmedu Tank, Pakkam Tank, So-kuppam Tank of Gingee block in Gingee taluk of Viluppuram district	3	8	400	10.82	
18	18 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Sathiyamangalam Tank, Thandavasamuthiram Kommetueri of Gingee block in Gingee taluk of Viluppuram district	2	4	200	5.43	
19	19 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Kallapuliyur Tank, Irumbuli Tank, Perumpoondi Tank, Kariyamangalam Tank Mel Kalavai Tank, Eachur Tank & of Gingee and Vallam block in Gingee taluk of Viluppuram district	6	8	400	10.63	
20	20 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of , Perumpugai Tank, Kadambur Tank, Agalur Tank, Mel - Olakkuur Citheri, of Gingee and Vallam block in Gingee taluk of Viluppuram district	4	7	350	9.24	
21	21 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Koravanandal Tank & Thondur Tank , Illodu Tank, Chellapirati Tank, of Gingee and Vallam block in Gingee taluk of Viluppuram district	4	6	300	8.09	
22	22 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of K Ethanemili Tank Mahadevimangalam Tank, Veeranamur Tank, & of Gingee and Vallam block in Gingee taluk of Viluppuram district	3	8	400	10.88	
23	23 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Panapakkan Tank, Vallam Tank, Mel - Sithamur Tank of Gingee and Vallam block in Gingee taluk of Viluppuram district	3	6	300	7.99	

24	24 / IAMWARM/WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Arugavoor - Hisa Tank ,Arugavoor Sivanandal Tank,, & Bonthairantham Tank , Aanathur Tank & of Gingee and Vallam block in Gingee taluk of Viluppuram district	4	8	400	10.64	
25	25 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Mattaparai Tank, Kappai Tank, Kadagumpoondai Tank, Kongarapattu Tank& Kurinjipai Tank of Gingee and Vallam block in Gingee taluk of Viluppuram district	5	7	410	11.85	
26	26 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Singavaram Tank, Meledyalam Tank, Pallapattu Tank& Thudupakkam Tank of Gingee and Vallam block in Gingee taluk of Viluppuram district	4	7	350	9.91	
27	27/ IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Jambothy Tank & Mel -Seevour Tank of Gingee and Vallam block in Gingee taluk of Viluppuram district	2	6	300	7.96	
28	28 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Thaiyur Tank , Thiruvampattu Tank,& Thiruvathikunnam Tank, of Gingee and Vallam block in Gingee taluk of Viluppuram district	3	6	300	8.65	
29	29 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Marur Tank, Ponpathy Tank&Kalladikuppam Tank of Gingee and Vallam block in Gingee taluk of Viluppuram district	3	5	250	6.78	
30	30 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Kallalippattu Tank,Sorathur Tank&Kammandur Tank of Gingee and Vallam block in Gingee taluk of Viluppuram district	3	6	300	8.66	

31	31 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Rettanai Thangal Tank,Naradikuppam Tank,Chendur Tank,Vengandur Tank,V. Nallalam Tank,V.Panchalam Tank of Mailam block of Tindivanam taluk in Viluppuram district	6	8	400	10.93	
32	32 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Sithani Tank ,Vilangambadi Tank,Kothamangalam Tank,Sendiyampakkam Tank,Chinnanerkunnam Tank of Mailam block of Tindivanam taluk in Viluppuram district	5	6	300	8.29	
33	33 / IAMWARM/WR O/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Pathirapuliyaur Tank ,Thenalapakkam Tank, Vizhukkam Tank, Elamangalam Tank, Deevanur Tank&Puliyaur Tank of Mailam block of Tindivanam taluk in Viluppuram district	6	8	400	10.82	
34	34 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Vidur Tank,Ponnampoondi Tank,Korakkari Tank&Eraiur Tank of Mailam , Vanur block of Vanur and Tindivanam taluk in Viluppuram district	4	7	350	9.54	
35	35 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Nemili Tank,Thollamur Tank,Thiruvakkarai Tank &Sengamedu Tank of Mailam , Vanur block of Vanur and Tindivanam taluk in Viluppuram district	4	6	300	8.23	
36	36 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Veerangipuram Tank,Sennakunam Tank,Vellaiyampattu Tank,Porur Hissa Tank& Hanmanthapuram Iyyanar Eri of Mugaiyur,kanai, Vikiravandi block in Viluppuram and Tirukoilur taluk of Viluppuram district	5	9	450	11.90	
37	37 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Velleripattu Tank,Athiyur Thirukkai Tank, Thirukunam Tank& Anniyur Tank of Mugaiyur,kanai, Vikiravandi block in Viluppuram and Tirukoilur taluk of Viluppuram district	4	9	450	11.76	

38	38 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Semmedu Tank,Veeramur Hissa Tank,Kakkanur Periya Eri, Ariyalur Thirakkai Tank& Palliyandur Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	5	9	450	11.86	
39	39 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Malligaipattu Tank,Kangeyanur Periya Eri, Kangeyanur iyyan Eri& Kuppam Eri of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	4	8	400	10.57	
40	40 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Karungalipattu Tank,Maragathapuram Tank& Pidagam Large Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	3	8	400	10.49	
41	41 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Pidagam Sitheri,Kandamanadi Tank,Valuthareddy Large Tank&Alathur Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	4	8	400	10.55	
42	42 / IAMWARM/WR O/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Virattikuppam Tank,Muthampalayam Tank,Ayyur Agaram Tank&Orathur Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	4	9	450	11.81	
43	43 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Nangathur Tank,Muttathur Tank,s.puthur Tank, S.kunnathur Tank&S.Kolapakkam Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	5	8	400	10.91	
44	44 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Mandagapattu Tank,Esalkam Tank, Melkarani Tank, Elusempon Tank,Kanjanur Tank & Adhanur Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	6	8	400	10.98	

45	45 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Brammadasam Tank, Echankuppam Tank, Nemur Tank, Nandhivadi Tank, Asur Tank & Kootiyampoondi Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	6	8	400	11.05	
46	46 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Kogarampoondi Tank , V.Salai Tank,Ulgampoondi Tank, &Panayapuram Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	4	7	400	10.94	
47	47 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Sathanur Pappampattu Tank,Rathapuram Big Tank&Rathapuram Small Tank ,Rathapuram iyanar Tank & Rathapuram otteri Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	5	7	350	9.52	
48	48 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Vikkiravandi Tank,Sayaduvinnam Tank & Vishwareddy palayam Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	3	9	450	12.12	
49	49 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Mungilpattu Tank, Mathurapakkam arsathangal , Poyyapakam Tank & Kakuppam Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	4	8	400	10.79	
50	50 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Senganthangal Tank,Kappiyampur small Tank, Pagandai Tank & Korakkanthangal Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of Viluppuram district	4	7	350	9.42	
51	51 / IAMWARM/WR O/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of V.Maruthur Tank, Salamadu ponnari Tank, Salmadu iyanar Eri Tank & Panampattu Tank of Vikiravandi , Kanai , Koliyanur block in Vilupuram taluk of	4	9	450	12.10	

		Viluppuram district					
52	52 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Anangur Tank, Kavanipakkam Tank, V. Agaram periyari Tank & Kaspakarani Tank of Vikiravandi, Kanai, Koliyanur block in Viluppuram taluk of Viluppuram district	4	7	350	9.53	
53	53 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Naraiyur Tank, Siruvanthadu Tank, Kothampakkam Tank, Kandamangalam, Koliyanur block in Viluppuram, taluk of Viluppuram district	3	5	250	6.76	
54	54 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Pallineliyanur Tank, & Vahuthavur Tank of Kandamangalam, block in Viluppuram, taluk of Viluppuram district	2	4	250	5.35	
55	55 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Pallipudupattu Tank, Mandagapattu Tank, Azhiyur Tank, Chinnababusamuthiram Tank of Kandamangalam, block in Viluppuram, taluk of Viluppuram district	4	7	400	9.45	
56	56 / IAMWARM/ WRO/ VNSB/ Addl. Works	Lining of Head irrigation channel and providing flow measuring device of Navamal Kapper Tank, Chithalampattu Tank, Kodukur Tank of Kandamangalam, block in Viluppuram, taluk of Viluppuram district	3	7	350	9.30	
		Grand Total	236	419	20460	546.49	

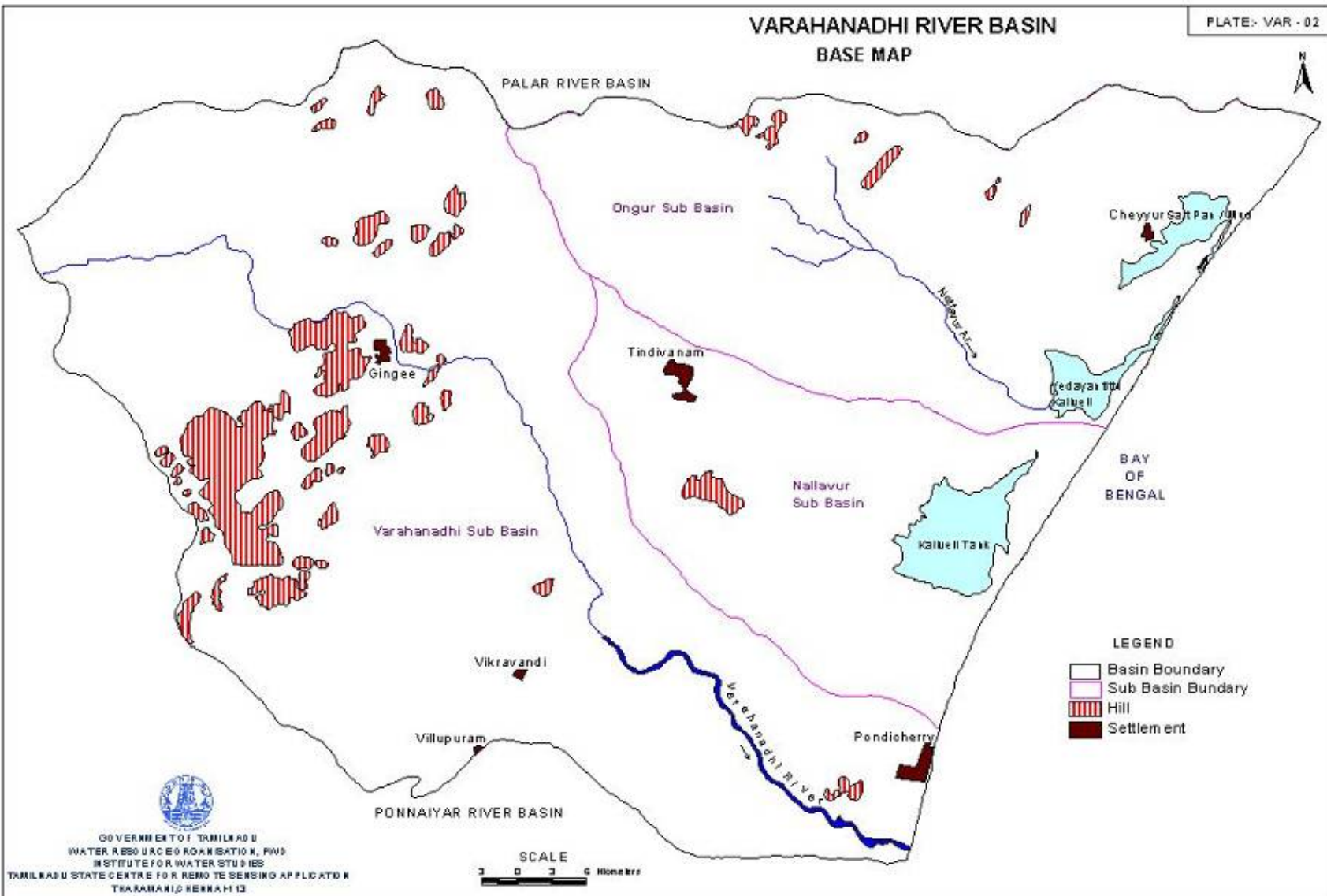
Executive Engineer,
WRD.,
Lower Pennaiyar
Basin
Division, Viluppuram.

Superintending Engineer, WRD.,
Pennaiyar Basin Circle, Tiruvannamalai-3.

Chief Engineer, WRD.,
Chennai Region, Chennai -5.

**VARAHANADHI RIVER BASIN
BASE MAP**

PLATE: VAR - 02

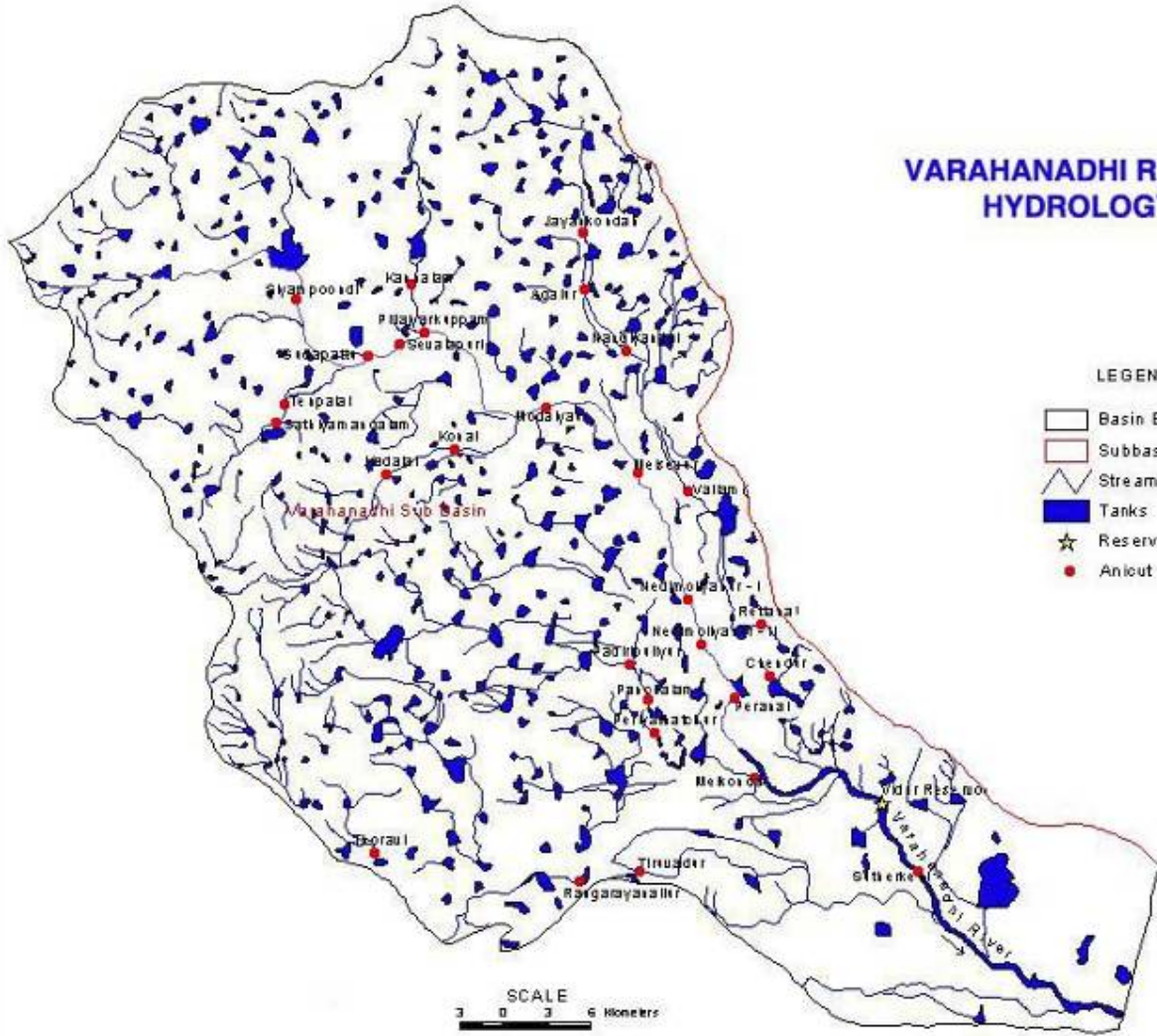



 GOVERNMENT OF TAMIL NADU
 WATER RESOURCES DEPARTMENT, PWD
 INSTITUTE FOR WATER STUDIES
 TAMIL NADU STATE CENTRE FOR REMOTE SENSING APPLICATIONS
 TRICHY, TAMIL NADU 620 013

SCALE
 0 2 4 6 Kilometers



VARAHANADHI RIVER BASIN HYDROLOGY MAP



LEGEND

-  Basin Boundary
-  Subbasin Boundary
-  Stream / River
-  Tanks
-  Reservoir
-  Anicut






SCALE
0 3 6 Kilometers

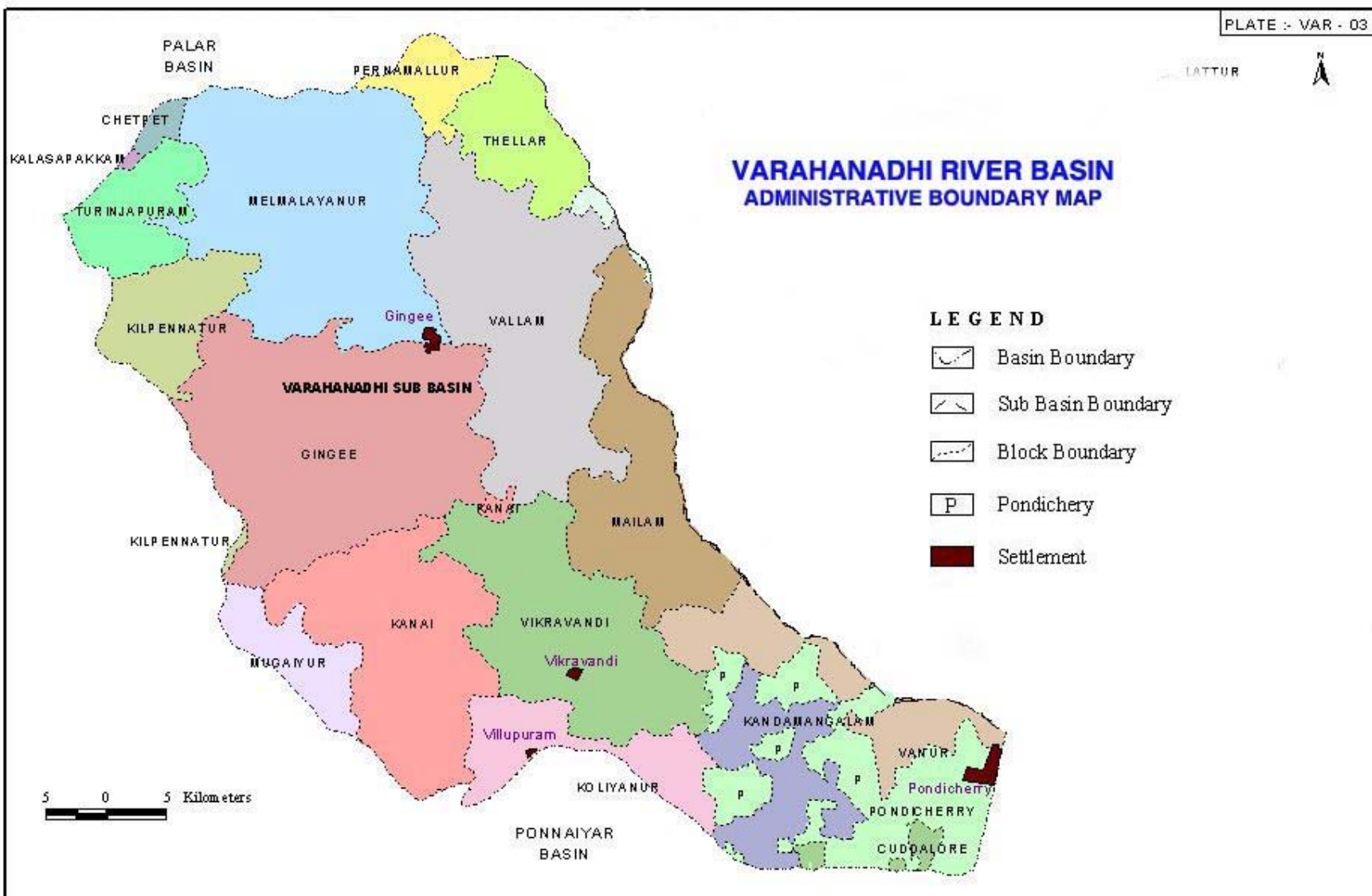
LATTUR



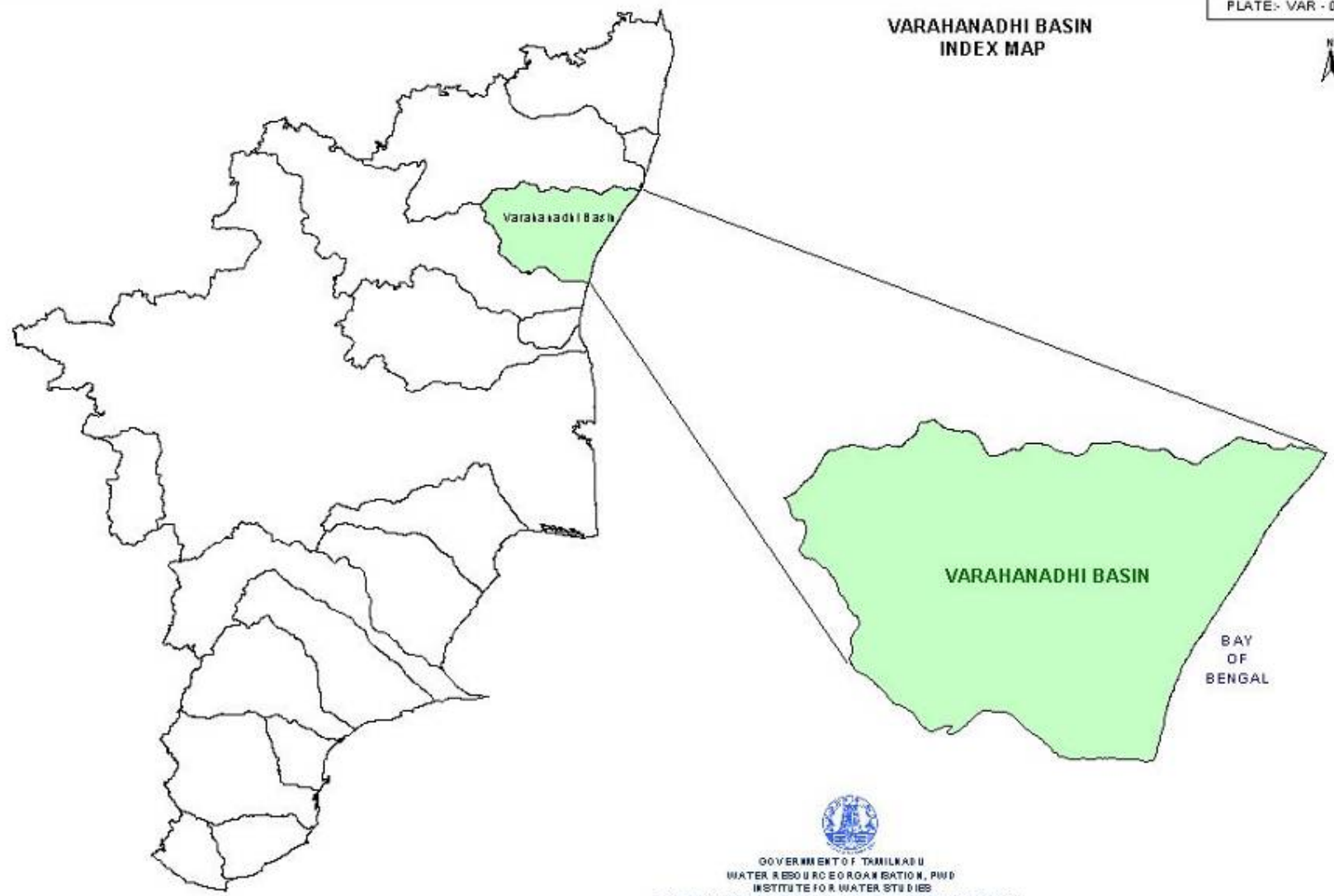
VARAHANADHI RIVER BASIN ADMINISTRATIVE BOUNDARY MAP

LEGEND

-  Basin Boundary
-  Sub Basin Boundary
-  Block Boundary
-  Pondichery
-  Settlement

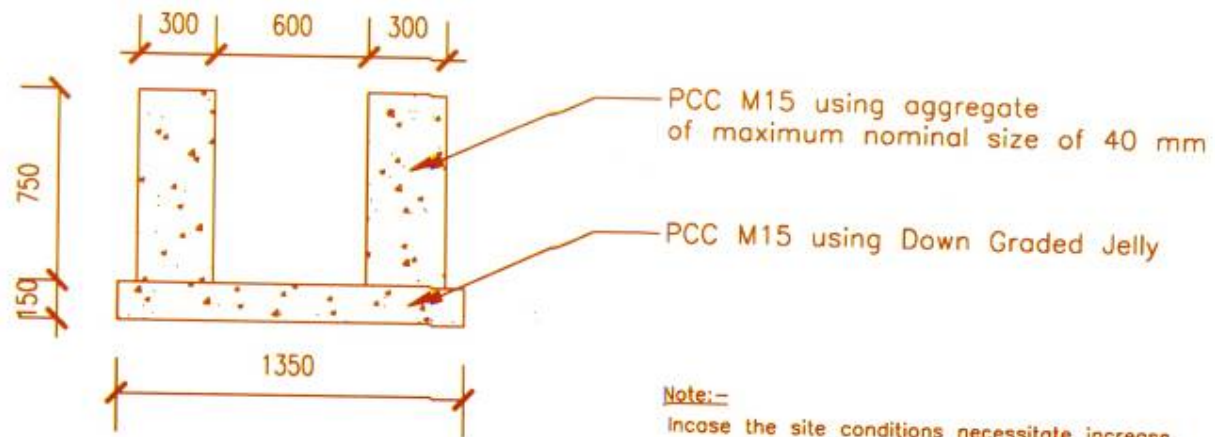


VARAHANADHI BASIN INDEX MAP



GOVERNMENT OF TAMILNADU
WATER RESOURCES ORGANIZATION, PWD
INSTITUTE FOR WATER STUDIES
TAMILNADU STATE CENTRE FOR REMOTE SENSING APPLICATION
THIRAMANI KENNETH

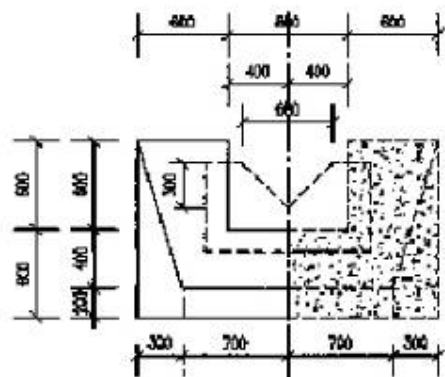
TYPICAL CROSS SECTION OF LINED IRRIGATION CHANNEL



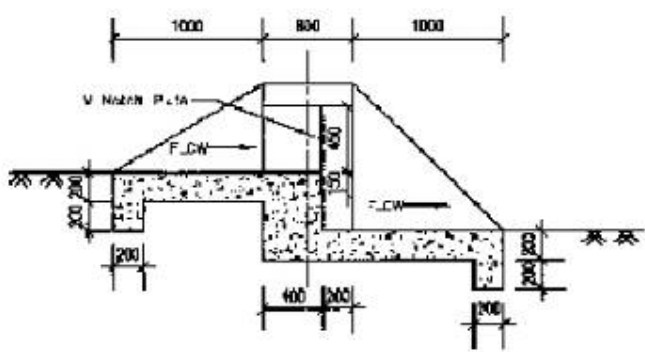
Note:-

Incase the site conditions necessitate increase the Channel section requisite modifications be made there-in duly ensuring the stability section

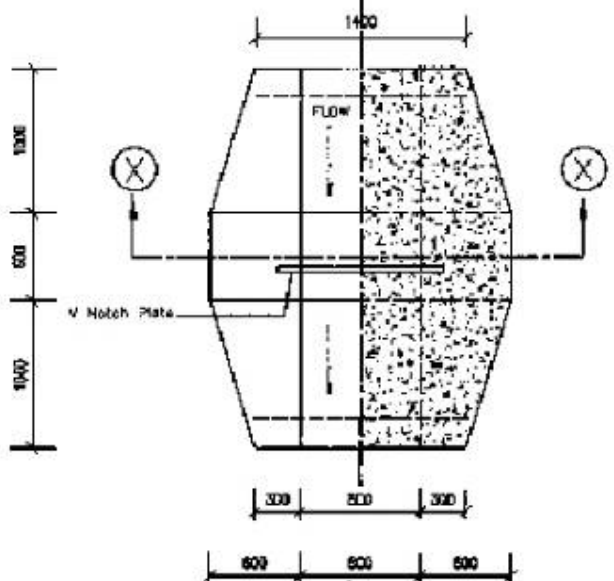
All Dimensions are in mm



HALF FRONT ELEVATION AND HALF SECTIONAL ELEVATION AT X-X



CROSS SECTION



HALF PLAN AT TOP AND HALF PLAN AT BOTTOM

V-NOTCH - SAJENT DETAILS (For 1 to 4 C/S)

Discharge		Head over Crest in cm	V-Notch size in cm	Overall size in cm
Cusecs	Lit/Sec			
1	28.30	20.50	25x25	50x65
2	56.60	27.00	30x60	50x75
3	85.00	32.00	35x70	55x80
4	113.27	36.00	42x84	60x100