



TN – IAMWARM PROJECT

GOVERNMENT OF TAMILNADU
WATER RESOURCES DEPARTMENT
TN IAMWARM PROJECT

**DETAILED PROJECT REPORT FOR THE WORK OF
REHABILITATION OF LEFT OUT COMPONENTS IN
THE NON SYSTEM TANKS IN VAIPPAR MAIN RIVER
SUB BASIN IN SIVAKASI AND SATTUR TALUK OF
VIRUDHUNAGAR DISTRICT**

Estimate Rs – 372.85 Lakhs

REPORT TO ACCOMPANY THE DETAILED PROJECT REPORT FOR THE WORK OF REHABILITATION OF LEFT OUT COMPONENTS IN THE NON SYSTEM TANKS IN VAIPPAR MAIN RIVER SUB BASIN IN SIVAKASI AND SATTUR TALUK OF VIRUDHUNAGAR DISTRICT

The Government of Tamilnadu have accorded the administrative sanction for Rs.283.74 Crores Vide in G.O.Ms.No. 81/ Public works (WR1) Department dated: 09.03.2010 for implementing IAMWARM Project in 26 sub basins under Phase III. The Vaippar Main River sub basin is one among the above 26 sub basins for which an amount of Rs.689.60 lakhs has been provided towards rehabilitation works comprising two packages. Accordingly the following works were carried out in this sub basin.

REHABILITATION WORKS TAKEN UP

This sub basin consists of 4 anicuts, 22 tanks and 28.41 km long supply channels. The following rehabilitation works were carried out under IAMWARM Project in 22 tanks and 4 anicuts.

- Strengthening the tank bund by using Machineries.
- Reconstruction of Collapsed Sluices
- Repairs to sluices
- Repairs to weirs
- Providing S.G. Shutter / Plug arrangements to Sluices, Head sluices, Scour vents etc.,
- Fixing Boundary Stones in the tank bund and water spread area.
- Repairs to anicuts.

LEFT OUT COMPONENTS

Out of the 22 tanks already rehabilitated, certain components have been left out without rehabilitation in seven tanks, since the package works were carried out according to the DPR and as per the estimate. But during the WRO officials visit in the Sub Basin it was emphasized the need of attending major important defects and elected WUA representatives also requested to carry out the left out components.

Hence, this estimate is prepared to carry out the left out components by utilising the overall savings amount available and based on the agreed actions in the wrap up

meeting chaired by the Finance secretary on 17.09.2012, which was communicated in the Engineer in Chief WRD Letter No. Tech cell / 57252/WB Mission/ 2009/Dated: 05.10.2012 and also the World Bank Implementation support mission draft aide memoir.

PROJECT PROPOSALS:-

1. Raising and strengthening the Tank Bund
(Vembakkottai Tank, Alagapuri tank, O.Mettupatti Tank, Pethureddipatti Tank , Kollapatti Big tank and Ayyampatti Tank).
2. Rehabilitation of supply channels.
3. Lining of Irrigation channels.
4. Repairs to weirs and anicut.
5. Renewal of shutters.
6. Turfing D/S slope of bund.

PACKAGEWISE ABSTRACT

Sl. No	Package No	Name of Work	Total amount including L.S. (Rs. in Lakhs)
1.	01/ IAMWARM / WRD / VPR / Left out Works / 2012 – 2013	Rehabilitation of Left Out components in non system tanks in Vaippar Main river Sub Basin in Sivakasi and sattur Taluks of Virudhunagar District.	372.85
		TOTAL	372.85

**REHABILITATION OF LEFT OUT COMPONENTS IN NON SYSTEM TANKS IN
VAIPPAR MAIN RIVER SUB BASIN IN SIVAKASI AND SATTUR TALUKS OF
VIRUDHUNAGAR DISTRICT
WRO COST TABLE**

Sl.No	Description of Work	Quantity	Amount in Lakhs	Remarks
1. Tank Component				
1	Strengthening of Tank bund	16583 Rm	150.41	
2	Repairs to Weir	2 Nos	14.55	
3	Repairs to Anicut	1 No	154.55	
4	Renewal of shutters	2 Nos	3.50	
5	Rehabilitation of Supply channels	3800m	6.51	
6	Lining of Irrigation channel	16 Nos (800m)	33.17	
	Sub total		362.69	
a	Provision for contingences, Advertisement charges, Photographic charges @ 2.50%		9.07	
b	Provision for Labour welfare fund @ 0.3%		1.09	
	Total for Lump sum Provision		9.74	
	Total		372.85	

PHYSICAL AND FINANCIAL PROGRAM

Sl. No	Description	I Year		II Year		Total	
		Quantity	Amount in Lakhs	Quantity	Amount in Lakhs	Quantity	Amount in Lakhs
1	Strengthening of Tank bund	16583 Rm	150.41	Nil	Nil	16583 Rm	150.41
2	Repairs to Weir	2 Nos	14.55	Nil	Nil	2 Nos	14.55
3	Repairs to Anicut	1 No	154.55	Nil	Nil	1 No	154.55
4	Renewal of shutters	2 Nos	3.50	Nil	Nil	2 Nos	3.50
5	Rehabilitation of Supply channels	3800m	6.51	Nil	Nil	3800m	6.51
6	Lining of Irrigation channel	16 Nos (800m)	33.17	Nil	Nil	16 Nos (800m)	33.17
7	LS provisions		10.16				10.16
	Total		372.85		Nil		372.85

STATEMENT - 1

Rehabilitation of Left Out works in Vaippar Main Sub Basin

Abstract Showing the details of Rehabilitation works proposed

Sl. No	Details	Tanks Nos	Anicut Nos	Supply Channel Nos	Remarks
1	Available infrastructure in sub Basin	22	4	10(28.41km)	
2	Rehabilitation taken up under IAMWARM Project	22	4		
	a) Infrastructure in which all the components are in good condition and does not require rehabilitation now	15	3	Nil	
	b) Infrastructure taken up under IAMWARM but certain components not taken up then, but require rehabilitation now	7	1	Nil	
3	Tanks not taken up for rehabilitation since 2005 under any other scheme				
	a) Infrastructure in which all the components are in good condition and does not require rehabilitation now	--	--	8(24.61km)	
	b) Infrastructures in which certain components not taken up since 2005 but require rehabilitation now	--	--	2(3.80km)	
4	Total No of infrastructures requiring rehabilitation now.	7	1	2(3.80km)	

- 1 Certified that the works are proposed in the selected IAMWARM Sub Basin
- 2 Certified that the Panchayat Union tanks are not considered in this project
- 3 Certified that for item 2 b the components of the infrastructures now proposed were not taken up under IAMWARM Project
- 4 For item No 3 - Certified that the works are not executed under various scheme (Viz. NABARD, PART II Schemes etc.,) and IAMWARM since 2005.

STATEMENT II - A

Rehabilitation of Left out Tanks & Infrastructures in Vaippar Main Sub Basin of IAMWARM Project

Rehabilitation of Tank works

Name of Sub basin - Vaippar Main Sub basin

Amount in Lakhs

SI No	Name of Tank	Tank Bund Improvements		Repairs to Sluice		Reconstruction of Sluice		Repairs to weirs		Reconstruction of weirs		Shutter renewal		Total Amount
		Length in M	Amount	No	Amount	No	Amount	No	Amount	No	Amount	No	Amount	
1	Vembakkottai tank	4420	41.29	-	-	-	-	-	-	-	-	-	-	41.29
2	Pandian tank	0	0.00	-	-	-	-	2	14.55	-	-	2	3.50	18.05
3	Alagapuri tank	1463	11.61	-	-	-	-	-	-	-	-	-	-	11.61
4	O.Mettupatti tank	1650	14.90	-	-	-	-	-	-	-	-	-	-	14.90
5	Pethureddipatti tank	1000	8.07	-	-	-	-	-	-	-	-	-	-	8.07
6	Ayyampatti tank	3400	30.20	-	-	-	-	-	-	-	-	-	-	30.20
7	Kollapatti big tank	4650	44.34	-	-	-	-	-	-	-	-	-	-	44.34
	Total	16583	150.41	-	-	-	-	2	14.55	-	-	2	3.50	168.46

STATEMENT II - B
Rehabilitation of Irrigation Channels

Name of Sub basin - Vaippar Main Sub basin

Amount in lakhs

SI No	Name of Tank	Desilting of Irrigation Channel		Lining of irrigation channel		Repairs to Drops, Syphon, Cistern		Repairs to culvert, aqueduct etc		Shutter renewal		Total Amount
		Length in M	Amount	No	Amount	No	Amount	No	Amount	No	Amount	
1	Vembakkottai tank	-	-	2(100M)	4.07	-	-	-	-	-	-	4.07
2	Alagapuri tank	-	-	1 (50M)	2.24	-	-	-	-	-	-	2.24
3	O.Mettupatti tank	-	-	2 (100M)	4.16	-	-	-	-	-	-	4.16
4	Pethureddipatti tank	-	-	2 (100M)	4.16	-	-	-	-	-	-	4.16
5	Ayyampatti	-	-	4 (200M)	8.21	-	-	-	-	-	-	8.21
6	Kollapatti big tank	-	-	5 (250M)	10.33	-	-	-	-	-	-	10.33
	Total	-	-	16 (800M)	33.17	-	-	-	-	-	-	33.17

STATEMENT II - C
REHABILITATION OF ANICUTS AND SUPPLY CHANNEL

Name of Sub Basin : Vaippar Main Sub basin

Amount in Lakhs

Sl.No	Name of Anicut/ Supply Channel	Reconstruction of anicut		Repairs to Anicut		Repairs to Head Sluice		Shutter Renewal		Supply Channel		Total
		No	Amount	No	Amount	No	Amount	No	Amount	Length in M	Amount	
1	Vembakkottai tank	0	0	0	0	0	0	0	0	0	0	0
2	Pandian tank	0	0	0	0	0	0	0	0	0	0	0
3	Alagapuri tank	0	0	0	0	0	0	0	0	0	0	0
4	O.Mettupatti tank	0	0	0	0	0	0	0	0	0	0	0
5	Kollapatti big tank	0	0	0	0	0	0	0	0	0	0	0
6	Subramaniapuram new tank	0	0	0	0	0	0	0	0	1100	1.90	1.90
7	Nenmeni Anicut	0	0	1	154.55	0	0	0	0	2700	4.61	159.16
8	Ayyampatti tank	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	1	154.55	0	0	0	0	3800M	6.51	161.06

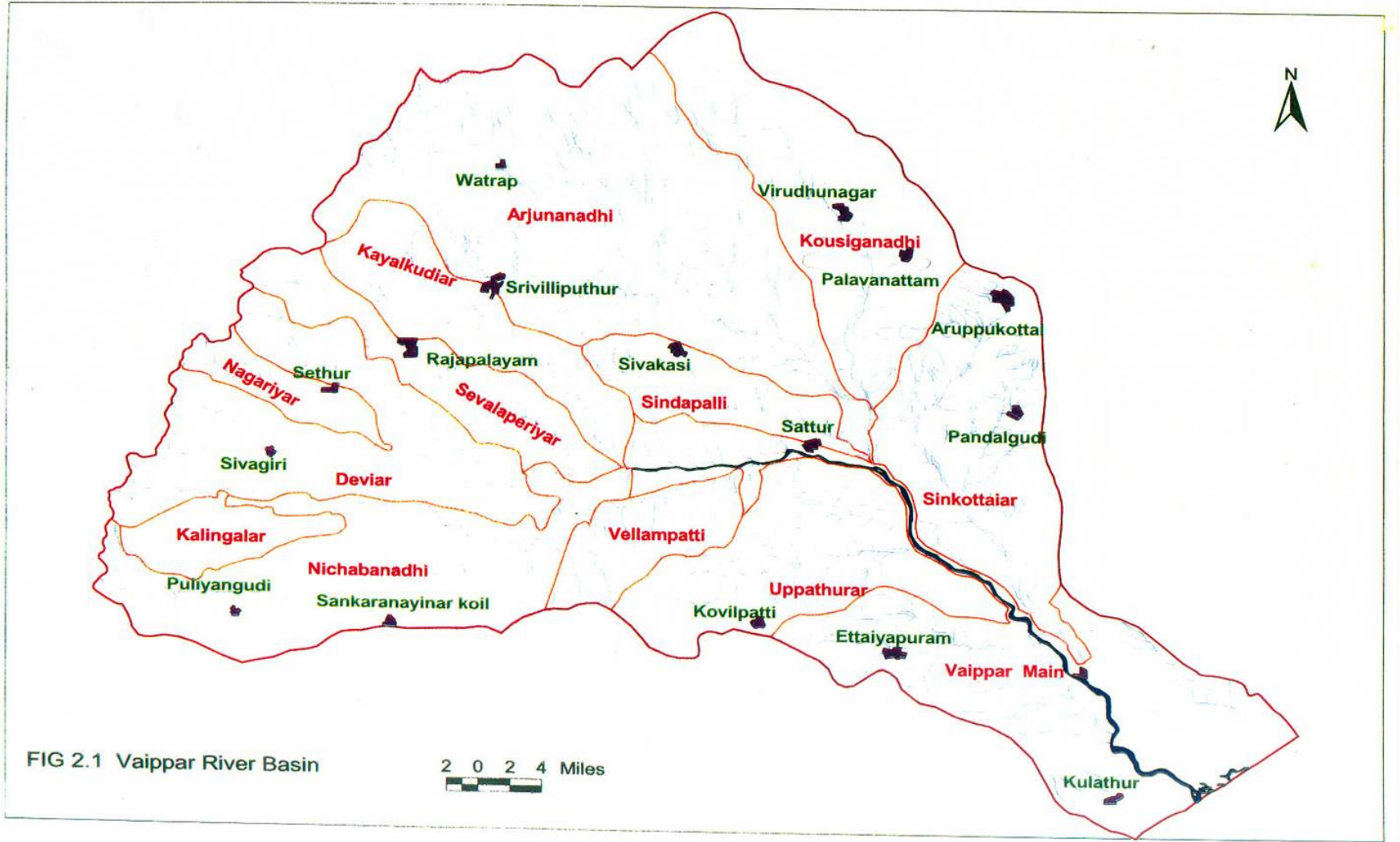
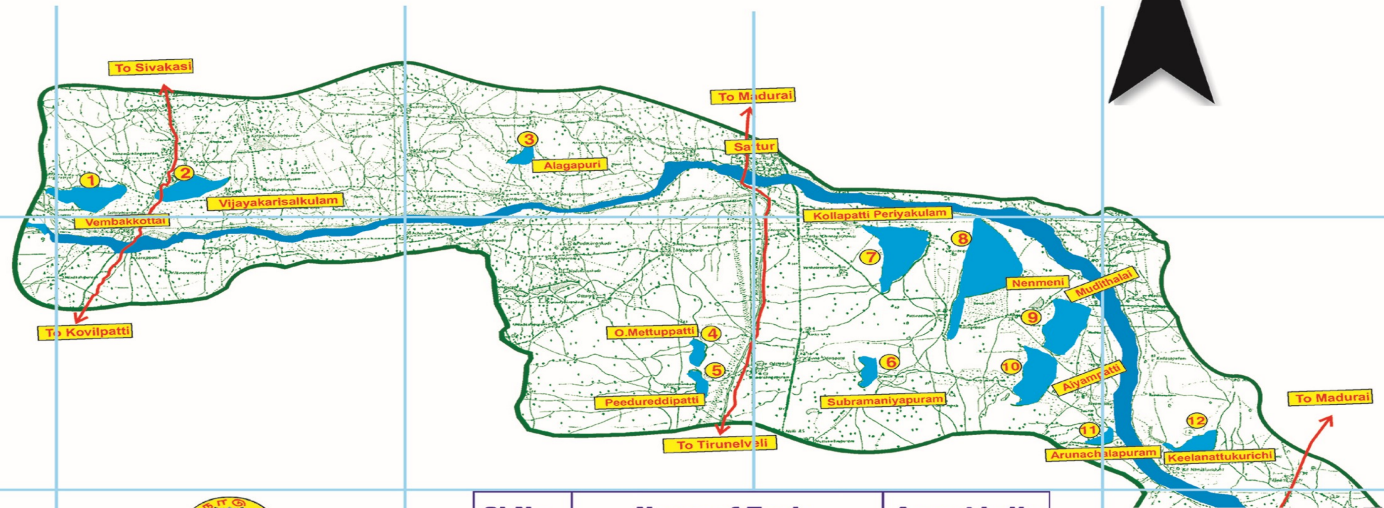


FIG 2.1 Vaippar River Basin

TN IAMWARM PROJECT-IIIrd PHASE
VAIPPAR MAIN RIVER SUB - BASIN
PACKAGE NO. 1



Government of Tamilnadu
Water Resource Organisation, PWD

LEGEND	
	River
	Road
	Tank
	Sub-Basin Boundary

Sl.No.	Name of Tank	Ayacut in Ha
1.	Vembakottai	83.77
2.	Pandian	49.35
3.	Alagapuri	47.79
4.	O.Methupatti	55.27
5.	Pethuredipatti	47.76
6.	Subramaniyapuram	44.15
7.	Kollapatti Periyakulam	239.23
8.	Nenmeni	169.70
9.	Mudithalai	46.14
10.	Ayyampatti	137.70

