



**GOVERNMENT OF TAMILNADU
WATER RESOURCES ORGANISATION
PUBLIC WORKS DEPARTMENT
MADURAI REGION, MADURAI**

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

**REHABILITATION OF LEFT OUT INFRASTRUCTURES IN IAMWARM SUB BASINS
UTILISING THE SAVINGS – PHASE –III**

**PALAR SUB BASIN
DETAILED PROJECT REPORT**

ESTIMATE AMOUNT : - 70.20 LAKHS

REPORT ACCOMPANY THE DETAILED PROJECT REPORT FOR THE WORK “ ADDITIONAL PROPOSAL (LEFT OUT COMPONENTS) IN NON SYSTEM TANKS COVERED IN PACKAGE No. 01 AND 02 UNDER PALAR SUB BASIN IN MUTHUKULATHUR AND KADALADI TALUKS OF RAMANATHAPURAM DISTRICT.”

ESTIMATE Rs.70.20 Lakhs.

GENERAL

Palar sub basin is located between latitude 90 10'00" N to 9015'00" N and Longitude 780 35' 00" E to 780 40'00" E and is Surrounded by Uthirakosamangaiyar Sub Basin on the South and Vembar Sub Basin on North.The sub basin area is 279.722 sq.km. with a plain area. The taluks covered in the Sub Basin are Mudukulathur and Kadaladi taluk of Ramanathapuram District. The tanks and supply channels under the Palar sub basin has been proposed for rehabilitation under IAMWARM Project in Phase III. This sub basin consists of 34 tanks and 22 supply channels.

The Government has accorded the administrative sanction for Rs.283.74 Crores Vide in G,O.No. 81/Public works (WR1) Department dated: 09.03.2010 for implementing IAMWARM Project in 26 sub basins under Phase III. The Palar sub basin is one among the above 26 sub basins for which an amount of 632.58 Lakhs has been provided for rehabilitation works comprising two packages. Accordingly the following works were carried out in this sub basin.

REHABILITATION TAKEN UP UNDER PHASE III AND COMPLETED:

In the original proposals rehabilitation to infrastructures in Palar sub basin have been taken up vide Phase III. Out of the 34 tanks and 22 supply channels rehabilitation works were carried out in all the 34 tanks and 6 supply channels. The following infrastructures have been contemplated in the Phase III works.

- Raising and strengthening the tank bund by using Machineries for 48.57Km in 13 tanks out of 34 tanks.
- Desilting the supply channels by earthwork excavation using Machineries for 17.84Km out of 52.02Km supply channels in the sub basin.
- Reconstruction of 48 Nos. of Collapsed Sluices out of 147 Nos. in the sub basin.
- Providing S.G. Shutter / Plug arrangements to Sluices, Head sluices, Scour vents etc.,
- Fixing Boundary Stones in the tank bund and water spread area.

LEFT OUT COMPONENTS:-

Out of the 34 tanks in the sub basin all the 34 tanks have been rehabilitated. Still in these tanks certain components have been left out. But during the WRO officials visit in the sub basin need for rehabilitation of certain components in the infrastructures which have been left out was emphasized and WUA people also requested to carry out the left out components to make up the system in functional condition.

Hence this estimate is prepared to carry out the left out components by using 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.

LEFT OUT COMPONENTS NOW PROPOSED TO BE TAKEN UP :

- Raising and strengthening the tank bund for 3990m in 1 tank including turfing in the Rear slop of Tank Bund.
- Reconstruction of 8 Nos. sluices in the 4 tanks wherein tank bunds are in good condition and strengthening has not been taken up under IAMWARM Phase III.
- Desilting of supply channel for 1.04 Km
- Repairs to 2 Nos of Sluices and 1 No of Weir.

1.	01/IAMWARM/WRD/PLR /LEFT OUT/2012-13.	Rehabilitation and Modernisation of left out components in the Non System tanks and their supply channels under Palar Sub Basin in Ramanathapuram district.	70.20
Total			70.20

Assistant Engineer,PWD,
Gundar Basin Sec I,
Kadaladi.

Executive Engineer,PWD,
Gundar Basin Division,
Madurai.

Superintending Engineer,PWD,
Water Resiurces Organaisation,
Vaippar Basin Circle,
Virudhunagar.

Rehabilitation of Left Out works in Palar Sub Basin
Abstract showing the details of Rehabilitation works proposed

Region : Madurai

Circle : Vaippar Basin circle Virudhunagar
Nodal Officer: Executive Engineer, PWD,WRO,
Gundar Basin Division, Madurai.

Sl.No.	Description	Tanks (Nos.)	Anicut (Nos)	Supply Channel Km.	Remarks
1	Available Infrastructure in the Sub Basin	34	-	52.20	
2	Rehabilitation works taken up under IAMWARM Project	34	-	-	
	a) Infrastructure in which all the components are in good condition and does not require rehabilitation now	27	-	51.16	
	b) Infrastructures taken up under IAMWARM but certain components not taken up then, but require rehabilitation now.	7	-	1.04	
3	Tanks not taken up for rehabilitation since 2005 under any other schemes.		-	-	
	a) Infrastructure in which all the components are in good condition and does not require rehabilitation now	-	-	-	
	b) Infrastructures in which certain components not taken up since 2005 but require rehabilitation now.	-	-	-	
4	Total No of infrastructures requiring rehabilitation now.	-	-	-	

- 1 Certified that the works are proposed in the selected IAMWARM Sub Basin area
- 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.
For Item No: 3 - Certified that the works were not executed under various schemes (Viz., NABARD, Part II Schemes, etc.) and IAMWARM since 2005.

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Gundar Basin Sec I, Gundar Basin Division,
Kadaladi. Madurai.

Superintending Engineer,PWD,
Vaippar Basin Circle, Virudhunagar.

Statement II - A
REHABILITATION OF LEFT OUT TANKS & INFRASTRUCTURES IN PALAR SUB BASIN OF IAMWARM PROJECT
REHABILITATION OF TANKS WORKS

Name of sub basin : Left out Palar PKg.1

SI No	Name of tanks	Tank Bund Improvements		Repairs to Sluices		Reconstruction of Sluices		Repairs to Weirs		Reconstruction of Weirs		Shutter Renewal		Total amount in Lakhs
		Length in M	Amount	Nos	Amount	Nos	Amount	Nos	Amount	Nos	Amount	Nos	Amount	
1	Kolikulam					2	6.88							6.88
2	Kumarakurichi	3990	31.32											31.32
3	Adankothankudi							1	4.63					4.63
4	Sokkanai					1	3.44							3.44
5	Kaluneermangalam					2	6.88							6.88
6	Thiruvarangai			2	3.83									3.83
7	Peykulam					3	10.33							10.33
	Total	3990.00	31.32	0.00	3.83	8.00	27.53	1.00	4.63	0.00	0.00	0.00	0.00	67.31

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Vaippar Basin Circle, Virudhunagar.

Statement II - B

REHABILITATION OF IRRIGATION CHANNELS

Name of Sub Basin : Left out Palar Pkg I

SI No	Name of tanks	Desilting of Irrigation Channel		Lining of Irrigation Channel		Repairs to Drops, Syphon, Cistern		Repairs to Culverts, Aqueducts		Shutter Renewal		Total amount in Lakhs
		No	Amount	No	Amount	No	Amount	Nos	Amount	Nos	Amount	
		NIL										

Assistant Enginner,PWD,
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Vaippar Basin Circle, Virudhunagar.

Statement II - C

REHABILITATION OF ANICUTS AND SUPPLY CHANNELS

Name of Sub Basin : Left out Palar Pkg I

SI No	Name of Anicut / Supply Channel	Reconstruction of anicut		Repairs to anicut		Repairs to Head Sluice		Shutter Renewal		Supply channel		Total amount in Lakhs
		No	Amount	No	Amount	No	Amount	Nos	Amount	Length in M	Amount	
1	Adankothankudi	-	-	-	-	-	-	-	-	1.04	0.98	0.98

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PACKAGE STATEMENT
PUBLIC WORKS DEPARTMENT
WATER RESOURCES ORGANISATION

Sub Basin PALAR

TN IAMWARM Project

Details of Works in leftout Tank Component

Rehabilitation works for Left Out Infrastructure in IAMWARM Project Sub Basin - PALAR

SI No	Package No	Components of works proposed																								Total amount in Lakhs		
		Tank Bund Improvements		Repairs to Sluices		Reconstruction of Sluices		Repairs to Weirs		Reconstruction of Weirs		Shutter Renewal		Desilting of Irrigation Channel		Lining of Irrigation Channel		Repairs to Culverts, Aqueducts		Shutter Renewal		Repairs to anicut		Shutter Renewal			Supply channel	
		Length in M	Amt	Nos	Amt	Nos	Amt	Nos	Amt	Nos	Amt	Nos	Amt	Nos	Amount	Nos	Amt	Nos	Amount	Nos	Amount	Nos	Amt	Nos	Amt		Length in M	Amt
1	Package No.I	3990	31.32	2	3.83	8	27.53	1	4.63																1.04	0.98	68.29	
	TOTAL	3990	31.32	2	3.83	8	27.53	1	4.63															1.04	0.98	68.29		

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Water Resources Organisation,
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Virudhunagar.

Cost Table for the components of work now proposed for which Left out infrastructures and components in IAWARM - Phase III.

Sl. No	Description of Component	Quantity	Unit	Amount in Lakhs
	TANKS			
1	Tank Bund	3990	RM	31.32
2	Repairs to sluices	2	Nos	3.83
3	Reconstruction of sluices	8	Nos	27.53
4	Repairs to weirs	1	Nos	4.63
5	Reconstruction of weirs		Nos	
	IRRIGATION CHANNELS			
1	Desilting of Irrigation channel		Nos	
2	Lining of Irrigation Channel		Nos	
3	Repairs to Drops, Syphons, Cisterns		Nos	
4	Repairs to Culverts, Aqueducts		Nos	
5	Shutters Renewal		Nos	
	ANICUTS			
1	Reconstruction of anicut			
2	Repairs to anicuts			
3	Repairs to Head Sluice			
4	Shutters Renewal			
5	Supply channel	1.04 Km		0.98
	Sub total			
18	Provision for Advertisement charges, Documentation charges, Photographic Charges, Name board Charges, PS Charges and contingences charges @ 2.5%	LS	--	1.70
19	Provision for Labour welfare @ 0.3%	LS	--	0.21
	Total			70.20

[Rupees Seventy lakhs and Twenty thousand only]

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