



**GOVERNMENT OF TAMILNADU  
WATER RESOURCES DEPARTMENT  
MADURAI REGION, MADURAI**

**REHABILITATION OF THE LEFT OUT COMPONENTS IN  
THE TANKS IN HANUMANADHI SUB BASIN IN  
RATHAPURAM TAKUK OF TIRUNELVELI DISTRICT.**

**ESTIMATE Rs. 101.80**

**LAKHS**

**DETAILED PROJECT REPORT**

**Name of Circle: Tamirabarani Basin Circle, Tirunelveli**

**Name of Division: Kodayar Basin Division, Nagercoil.**

**REPORT TO ACCOMPANY THE DETAILED PROJECT REPORT FOR THE WORK OF REHABILITATION OF LEFT OUT COMPONENTS IN THE TANKS IN HANUMANADHI SUB BASIN IN RADHAPURAM TALUK OF TIRUNELVELI 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 Hanumanadhi sub basin is one among the above 26 sub basins for which an amount of Rs.1388.68 lakhs has been provided towards rehabilitation works comprising five packages. Accordingly the following works were carried out in this sub basin.

**REHABILITATION WORKS TAKEN UP**

This sub basin consists of 12 anicuts, 108 tanks and 148.97 km long supply channels. The following rehabilitation works were carried out under IAMWARM Project in 84 tanks and 8 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 84 tanks already rehabilitated, certain components have been left out without rehabilitation in four 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  
(Veesadikulam Tank, Karuppilankulam tank, Keeranerikulami Tank and Thandayarkulam Tank ).
2. Lining of Irrigation channels.
3. Repairs to Adankarkulam anicut.

**PACKAGEWISE ABSTRACT**

<b>Sl. No</b>	<b>Package No</b>	<b>Name of Work</b>	<b>Total amount including L.S. (Rs. in Lakhs)</b>
1.	01/ IAMWARM / WRD / HMD / Left out Works / 2012 – 2013	Rehabilitation of Left Out components in the anicut and tanks in Hanumanadhi Sub Basin in Radhapuram Taluk of Tirunelveli District.	<b>101.80</b>
		<b>TOTAL</b>	<b>101.80</b>

**Rehabilitation of Left Out components in the anicut and tanks in Hanumanadhi Sub Basin in Radhapuram Taluk of Tirunelveli District.**

**WRO COST TABLE**

Sl.No	Description of Work	Quantity	Amount in Lakhs	Remarks
<b>I. Tank Component</b>				
1	Strengthening of Tank bund	4080 Rm	59.61	
2	Lining of irrigation channel	180 m	7.39	
<b>II. Non Tank Component</b>				
1	Improvements to Anicut	1 No	32.00	
	<b>Sub total</b>		<b>99.00</b>	
a	Provision for contingences, Advertisement charges, Photographic charges @ 2.50%		2.50	
b	Provision for Labour welfare fund @ 0.3%		0.30	
	Total for Lump sum Provision		2.80	
	<b>Total</b>		<b>101.80</b>	

**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	4080 Rm	59.61	Nil	Nil	4080 Rm	59.61
2	Lining of irrigation channel	180 m	7.39	Nil	Nil	180 m	7.39
3	Improvements to Anicut	1 No	32.00	Nil	Nil	1 No	32.00
4	LS provisions		2.80				2.80
	<b>Total</b>		<b>101.80</b>		Nil		<b>101.80</b>

**STATEMENT - 1**

**Rehabilitation of Left Out works in Hanumanadhi Sub Basin**

**Abstract Showing the details of Rehabilitation works proposed**

<b>Sl. No</b>	<b>Details</b>	<b>Tanks Nos</b>	<b>Anicut Nos</b>	<b>Supply Channel Nos</b>	<b>Remarks</b>
1	Available infrastructure in sub Basin	108	12	148.97	
2	Rehabilitation taken up under IAMWARM Project	84	8	108.21	
	a) Infrastructure in which all the components are in good condition and does not require rehabilitation now	80	7	108.21	
	b) Infrastructure taken up under IAMWARM but certain components not taken up then, but require rehabilitation now	4	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	24	4	40.76	
	b) Infrastructures in which certain components not taken up since 2005 but require rehabilitation now	--	--	--	
4	Total No of infrastructures requiring rehabilitation now.	4	1	Nil	

- 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 Hanumanadhi Sub Basin of IAMWARM Project**

**Rehabilitation of Tank works**

Name of Sub basin - Hanumanadhi 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	Veesadikulam Tank,	770	8.24	-	-	-	-	-	-	-	-	-	-	8.24
2	Karuppilankulam tank,	830	9.93	-	-	-	-	-	-	-	-	-	-	9.93
3	Keeranerikulami Tank	950	9.67	-	-	-	-	-	-	-	-	-	-	9.67
4	Thandayarkulam Tank	1530	31.77	-	-	-	-	-	-	-	-	-	-	31.77
	<b>Total</b>	<b>4080</b>	<b>59.61</b>	-	-	-	-	-	-	-	-	-	-	<b>59.61</b>

**STATEMENT II - B**  
**Rehabilitation of Irrigation Channels**

Name of Sub basin - Hanumanadhi 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	Veesadikulam Tank,	-	-	1( 30M)	1.25	-	-	-	-	-	-	1.25
2	Karuppilankulam tank,	-	-	1 ( 30M)	1.25	-	-	-	-	-	-	1.25
3	Keeranerikulami Tank	-	-	3 (90M)	3.64	-	-	-	-	-	-	3.64
4	Thandayarkulam Tank	-	-	1 (30M)	1.25	-	-	-	-	-	-	1.25
	<b>Total</b>	-	-	<b>6 (180M)</b>	<b>7.39</b>	-	-	-	-	-	-	<b>7.39</b>

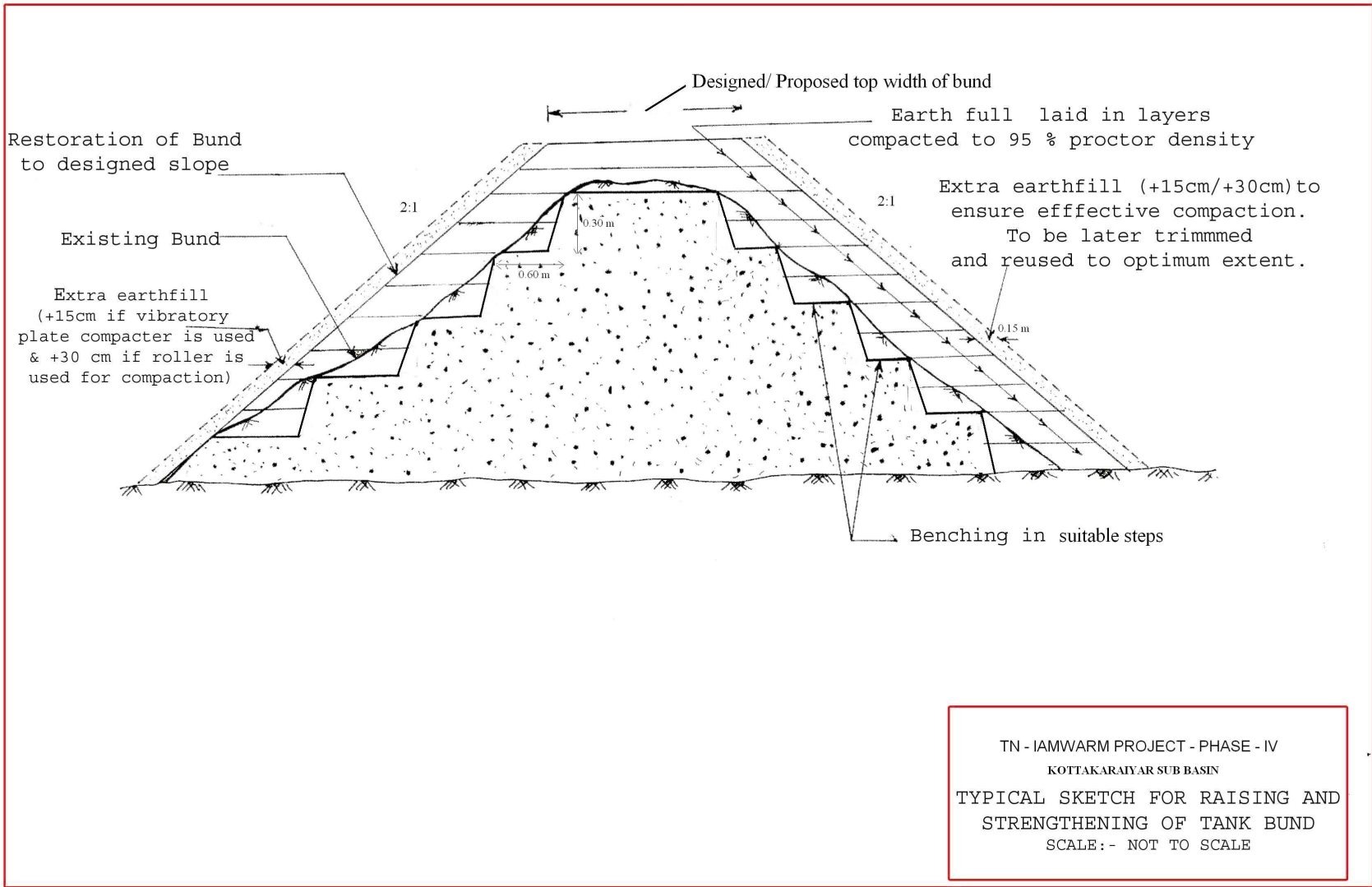


**STATEMENT II - C**  
**REHABILITATION OF ANICUTS AND SUPPLY CHANNEL**

Name of Sub Basin : Hanumanadhi Sub basin

Amount in Lakhs

Sl. No	Name of Anicut/ Supply Channel	Reconstruction of anicut		Repairs to Anicut		Repairs to Head Sluice		Forming flood bank		Shutter Renewal		Supply Channel		Total
		No	Amount	No	Amount	No	Amount	No	Amount	No	Amount	Length in M	Amount	
1	Adangarkulam anicut	0	0	0	0	0	0	1	32.00	0	0	0	0	32.00
	<b>Total</b>	0	0	0	0	0	0	1	<b>32.00</b>	0	0	0	0	<b>32.00</b>



TN - IAMWARM PROJECT - PHASE - IV  
 KOTTAKARAIYAR SUB BASIN  
 TYPICAL SKETCH FOR RAISING AND  
 STRENGTHENING OF TANK BUND  
 SCALE:- NOT TO SCALE

<b>Rehabilitation works for Left Out Infrastructure in IAMWARM Project in Hanumanadhi Sub Basin</b>		
<b>GENERAL ABSTRACT</b>		
<b>SL.No</b>	<b>TANK NAME / ANICUT</b>	<b>Total Amount in lakhs</b>
<b>I</b>	<b>STRENGTHENING OF TANK BUND</b>	
1	Vessadi kulam	8.24
2	Keeraneri kulam	9.67
3	Karruppilan kulam	9.93
4	Thandayar kulam	31.77
<b>II</b>	<b>LINING OF IRRIGATION CHANNEL</b>	7.39
<b>III</b>	<b>ANICUT</b>	
1	Aadangarkulam Anicut	32.00
	<b>SUB TOTAL</b>	99.00
	Labour Welfare Fund at 0.30%	0.30
	Provision for Photographic charges,Advertisement charges,Name board,Petty supervision charges,unforeseen items at 2.5%	2.50
	<b>TOTAL</b>	<b>101.80</b>
<b>(Rupees One Crore, One Lakh and Eighty Thousand only)</b>		

