





#### **GOVERNMENT OF TAMILNADU**

#### **PUBLIC WORKS DEPARTMENT**

#### WATER RESOURCES ORGANISTAION

#### TRICHY REGION

NAME OF WORK: ADDITIONAL PROPOSALS FOR LINING OF FIELD CHANNELS AND FLOW MEASURING DEVICE IN PERAMBALUR DISTRICT

**ESTIMATE AMOUNT: 93.57 Lakhs** 

CIRCLE : TRICHY

**DIVISION**: ARIYALUR

**SUB DIVISION: PERAMBALUR** 





### **INDEX**

SL NO	DESCRIPTION	PAGE
1	REPORT	1
2	FORMAT - I	2,3
3	FORMAT - II	4,5
4	INDEX MAP	6
5	SUB BASIN MAP	7
6	DRAWINGS	8,9,10

# Additional proposals for providing Lining of Irrigation Channel and Flow Measuring Device in Chinnar Sub Basin (Phase II) under IAMWARM Project

The lining of 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 Chinnar sub basin of Phase II the following works have been proposed,

- 1. Lining of irrigation channel below the tanks sluice using C.C. M 15 as per sketch enclosed
- 2. Installing flow measuring device in the irrigation channel as per sketch
- 3. 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 Additional DPR works out to Rs.93.57 lakhs

Name of Region Trichy

Name of Circle Middle Cauvery Basin Circle, Trichy.

Name of Division Marudaiyaru Basin Division, Ariyalur.

Name of Sub Basin Chinnar

Total Number of Tanks taken up under IAMWARM: 33 Nos

#### NO OF TANKS, SLUICES IN EACH PACKAGE

TOT	AL NO OF TAN	KS TAKEN UNDER IAMWARM :		Rs: 93.63 Lakhs								
		Name of Tank		Flow Me	easuring Device	Linin	g the Field c					
SI No	Package No		No of Sluice		Amount	Type of soil BC/OS	Length in Metre	Amount	Total Amount	L.S.Provision @2.80%	Grand Total	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13
		Ladapuram Big tank	2	2	0.20	OS	60	1.92	2.12			
		Ladapuram Small Tank	2	2	0.20	OS	60	1.92	2.12			
1	Package-1	Melapuliyur Tank	2	2	0.20	os	60	1.92	2.12			
'		Kalarampatti tank	3	3	0.30	os	90	2.88	3.18			
		Kurumbalur Tank	2	2	0.20	os	60	1.92	2.12			
		Total	11	11	1.10		330	10.56	11.66	0.33	11.99	
		Senjeri Tank	2	2	0.20	os	60	1.92	2.12			
		Arananrai tank	2	2	0.20	os	60	1.92	2.12			
		Perambalur Mela Eri	2	2	0.20	os	60	1.92	2.12			
2	Package-2	Perambalur Keela Eri	2	2	0.20	os	60	1.92	2.12			
		Thuraimangalam Big Tank	2	2	0.20	os	60	1.92	2.12			
		Thuraimangalam Small Tank	1	1	0.10	os	30	0.96	1.06			

		Total	11	11	1.10		330	10.56	11.66	0.33	11.99	
		Essanai Mathavanaiamman Tank	2	2	0.20	os	60	1.92	2.12			
		Esanai Tank	2	2	0.20	os	60	1.92	2.12			
		Arasalur tank	1	1	0.10	os	30	0.96	1.06			
3	Package-3	Annamangalam Tank	2	2	0.20	os	60	1.92	2.12			
		Sengunam Tank	2	2	0.20	os	60	1.92	2.12			
		Neikuppai Tank	2	2	0.20	вс	60	1.92	2.12			ļ
		Total	11	11	1.10		330	10.56	11.66	0.33	11.99	<u> </u>
1	2	3	4	5	6	7	8	9	10	11	12	13
		Sathanavady Tank	1	1	0.10	ВС	30	0.96	1.06			
4	Package-4	Thondapady Tank	1	1	0.10	вс	30	0.96	1.06			ļ
4		Chinnar tank	7	7	0.70	os	245	7.84	8.54			
		Total	9	9	0.90		305	9.76	10.66	0.30	10.96	
	Package-5	Chinnar tank	5	5	0.50	os	150	4.80	5.30			
5		Ogalur Tank	4	4	0.40	ВС	140	4.48	4.88			 
		Total	9	9	0.90		290	9.28	10.18	0.29	10.47	
		Ogalur Tank	5	5	0.50	ВС	150	4.80	5.30			
		Vadakkalur tank	2	2	0.20	BC	60	1.92	2.12			
6	Package-6	Vadakkalur Agraharam Tank	3	3	0.30	BC	90	2.88	3.18			<u> </u>
		Kaiperambalur Tank	1	1	0.10	BC	35	1.12	1.22			<u> </u>
		Total	11	11	1.10		335	10.72	11.82	0.33	12.15	
7		Keelapuliyur Tank	3	3	0.30	ВС	90	2.88	3.18			
		Elumur tank	4	4	0.40	ВС	120	3.84	4.24			
	Package-7	Aykudy tank	2	2	0.20	ВС	60	1.92	2.12			ļ
	rackage-/	Perumathur tank	1	1	0.10	ВС	35	1.12	1.22			
		Kiliyur tank	1	1	0.10	BC	35	1.12	1.22			ļ
		Total	11	11	1.10		340	10.88	11.98	0.34	12.32	

		Andikurumbalur Tank	2	2	0.20	ВС	60	1.92	2.12		
		Vadakkeri tank	3	3	0.30	вс	90	2.88	3.18		
8	Package-8	Kilumathur tank	3	3	0.30	ВС	105	3.36	3.66		
		Vayalur Tank	2	2	0.20	ВС	70	2.24	2.44		
		Total	10	10	1.00	ВС	325.00	10.40	11.40	0.32	11.72
		TOTAL	83	83	8.30		2585.00	82.72	91.02	2.55	93.57

Certified that the Tanks included in the originally approved in Chinnar Sub Basin DPR alone are considered now

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

Certified that the field / Irrigation Channel drawing type I is adopted in 16number of tanks having soil other than block cotton soil

Certified that the field / Irrigation Channel drawing type II is adopted in 17 number of tanks having block cotton soil

#### FORMAT II

Name of Region Trichy

Name of Circle Middle Cauvery Basin Circle, Trichy.
Name of Division Marudaiyaru Basin Division, Ariyalur.

Name of Sub Basin

Total Number of Tanks taken up under IAMWARM: 33

Method of procurement:

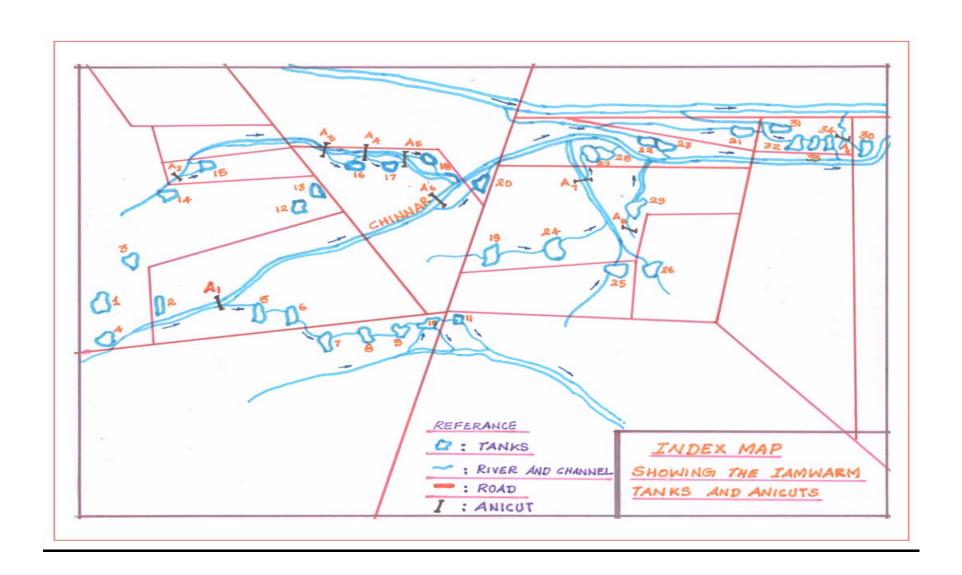
National shopping

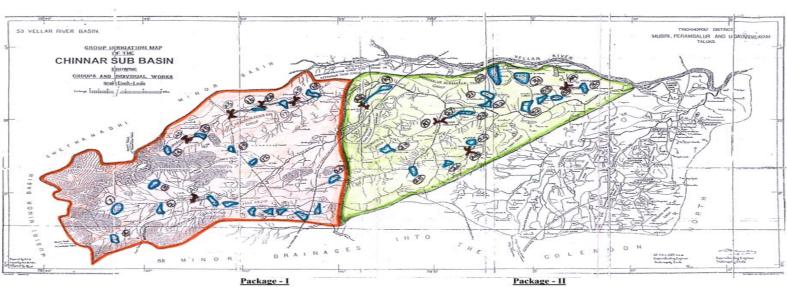
( Note: Procurement plan to be got approved by World Bank separately )

#### PACKAGEWISE ABSTRACT

SI.No	Package No.	Name of Work	No. of Tanks	No. of flow measuring device	Length of Head Irrigation Channel in m	Total Amount including L.S. (Rs. In Lakhs)	Remarks
1	2	3	4			5	6
1	AP_1/ IAMWARM/ CNR/WRO/ WORKS/ II / 2011-2012	Lining of head Irrigation Channel and providing Flow Measuring devices for Ladapuram big tank,Ladapuram small tank, Melapuliyur Tank,Kalarampatti and Kurumbalur tank in Chinnar sub basin in Perambalur District	5	11	330	11.99	
2	AP_2/ IAMWARM/ CNR/WRO/ WORKS/ II / 2011-2012	Lining of head Irrigation Channel and providing Flow Measuring devices for Senjeri Tank,Aranarai tank,Perambalur Keela eri,Perambalur Mela eri,Thuraimangalam small tank and Thuraimangalam big tank in Chinnar sub basin in Perambalur District	6	11	330	11.99	
3	AP_3/ IAMWARM/ CNR/WRO/ WORKS/ II / 2011-2012	Lining of head Irrigation Channel and providing Flow Measuring devices for Esanai mathavanaiamman Tank , Esanai Tank ,Arasalur tank,Annamangalam tank,Sengunam tank and Neikuppai in Chinnar sub basin in Perambalur District	6	11	330	11.99	

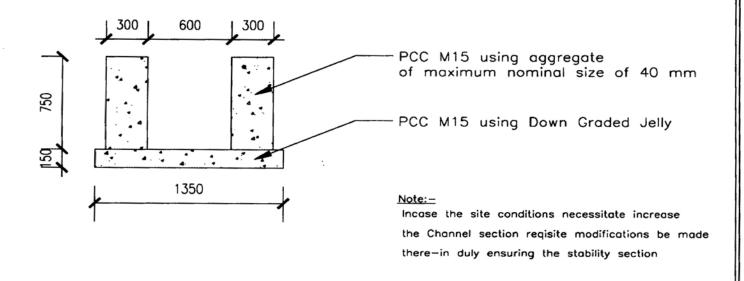
4	AP_4/ IAMWARM/ CNR/WRO/ WORKS/ II / 2011-2012	Lining of head Irrigation Channel and providing Flow Measuring devices for Thondapady tank,Sathanavady tank and Chinnar Tank in Chinnar sub basin in Perambalur District	3	9	305	10.96	
5	AP_5/ IAMWARM/ CNR/WRO/ WORKS/ II / 2011-2012	Lining of head Irrigation Channel and providing Flow Measuring devices for Chinnar Tank and Ogalur tank in Chinnar sub basin in Perambalur District	2	9	290	10.47	
6	AP_6/ IAMWARM/ CNR/WRO/ WORKS/ II / 2011-2012	Lining of head Irrigation Channel and providing Flow Measuring devices for Ogalur tank, Vadakkalur tank,Vadakkalur agraharam tank and Kaiperambalur tank in Chinnar sub basin in Perambalur District	4	11	335	12.15	
7	AP_7/ IAMWARM/ CNR/WRO/ WORKS/ II / 2011-2012	Lining of head Irrigation Channel and providing Flow Measuring devices for Keelapuliyur Tank, Elumur tank, Aykudi tank, Perumathur tank and Kiliyur Tank in Chinnar sub basin in Perambalur District	5	11	340	12.32	
8	AP_8/ IAMWARM/ CNR/WRO/ WORKS/ II / 2011-2012	Lining of head Irrigation Channel and providing Flow Measuring devices for Andikurumbalur tank, Vadekkeri tank, Kilumathur tank and Vayalur tank in Chinnar sub basin in Perambalur District	4	10	325	11.72	
		TOTAL	33	83	2585	93.57	





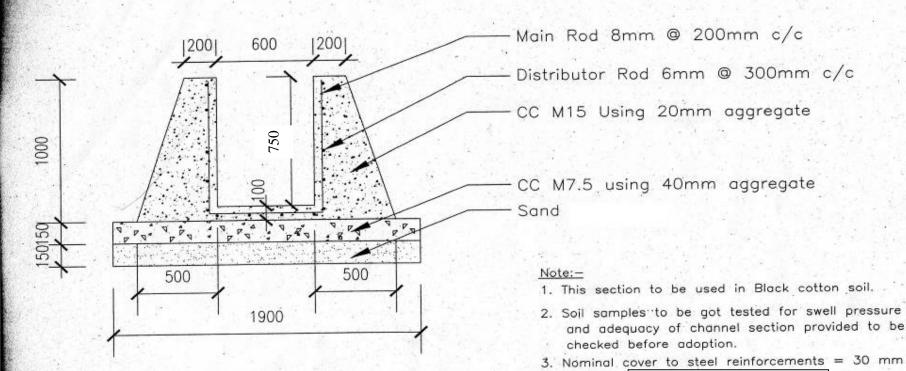
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	Tank		Anicuts		Tank		Anicuts				
1.	Ladapuram Big Tank	A1	Kurumbalur Anicut	20.	Chinnar Tank	A6	Chinnar Anicut				
2.	Ladapuram Small Tank	A2	Annamangalm Anicut	21.	Ogalur Tank	A7	Kiliyur Perumathur Anic				
3.	Melapuliyur Tank	A3	Thondapadi Anicut	22.	Vadakalur Tank	A8	Paravai Odai Anicut				
4.	Kalarampatti Tank	A4	Neikuppai Anicut	23.	Vadakalur Agraharam Tank	A9	Nari Odai Anicut				
5.	Kurumbalur Tank	A5	Sathanavadi Anicut	24.	Kelapuliyur Tank		200				
6.	Senjeri Tank		·	25.	Elumur Tank						
7.	Aranarai Tank			26.	Ayikudi Tank						
8.	Perambalur Mela Eri			27.	Perumathur Tank						
9.	Perambalur Keela Eri			28.	Kiliyur Mela Eri						
10.	Thuraimangalam Big Tank			29.	Andikurumbalur Tank						
11.	Thuraimangalam Small Tank			30.	Keelaperambalur Vaddakeri Tank						
12.	Madhavanaiamman Tank			31.	Athiyur Tank						
13.	Easanai Tank			32.	Kilumathur Tank						
14.	Arasalur Tank			33.	Kaiperambalur Tank						
15.	Annamangalam Tank	10		34.	Vayalur Tank						
16.	Thondapadi Tank	0			***************************************						
17.	Neikuppai Tank										
18.	Sathanavadi Tank	0.									
19.	Swnkunam Tank										

## TYPICAL CROSS SECTION OF LINED IRRIGATION CHANNEL



All Dimensions are in mm

# TYPICAL CROSS SECTION FOR BLACK COTTON SOIL



IAMWARM PROJECT CHINNAR SUB BASIN IRRIGATION CHANNEL LINING Scale:- 1:1000 All Dimention are in Metre

