



## **Introduction Report**

Additional proposals for providing Lining of Head Irrigation Channel and Flow Measuring Device in Upper Gundar 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 Upper Gundar sub basin of Phase the following works have been proposed.

1. Lining of head irrigation channel below the tanks sluice using c.c. M 15 as per sketch enclosed

2. Installing flow measuring device in the head 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 DPR works out to Rs.93.71 lakhs

Executive Engineer,WRO. Gundar Basin Division, Madurai Superintending Engineer,WRD., Vaippar Basin Circle, Virudhunagar. Chief Engineer,WRD., Madurai Region, Madurai

## FORMAT 1

Name of Region

Name of Circle

Name of Division

Name of Sub Basin

Total Number of Tanks taken up under IAMWARM

Madurai

Vaippar Basin Circle , Virudhunagar.

Gundar Division, Madurai

**Upper Gundar** 

23

5

2

## NO OF TANKS, SLUICES IN EACH PACKAGE

% Flow Measuring Lining of Head Irrigation 2.80 Device Channel **Total Amount Grand Total** 0 No of Provision Type SI.No. PackageNo Name of the Tank Remarks Sluices of soil Length No. Amount Amount BC / in m OS S 2 1 3 4 5 6 7 8 9 10 11 12 13 Package No 1 1)Kuppammal Samudhram Tank 2 2 BC 0.24 80 3.68 3.92 2 2)Kadambankulam Tank 3 3 BC 120 5.52 5.88 0.36 **Package Total** 5 5 200 9.20 9.80 0.27 10.07 0.60 1 Package No 2 3)saptur Periakamoi 3 3 0.36 BC 120 5.52 5.88 2 2 2 BC 4)Kudiseri Tank 0.24 80 3.68 3.92 3 5)Sennelperi Tank 1 1 BC 1.84 0.12 40 1.96 **Package Total** 6 6 0.72 240 11.04 11.76 0.33 12.09 Package No 3 2 1 6)Poolankulam Tank 2 0.24 BC 80 3.68 3.92 2 7) Alappalacheri Periakanmoi 3 0.36 3 BC 120 5.52 5.88 Package Total 5 5 0.6 200 9.20 9.80 0.27 10.07 Package No 4 3 3 BC 1 8)Elumalai Periakanmoi 0.36 120 5.16 5.52 2 9)Kanakkankulam Tank 2 2 0.24 BC 90 3.87 4.11 3 1 BC 10)Chokkanathan Tank 1 0.12 45 1.94 2.06 Package Total 6 6 0.72 255 10.97 11.69 0.33 12.02

**Rs in Lakhs** 

		Name of the Tank		Flow Measuring Device		Lining of Head Irrigation Channel			unt	@ 2.80 %	tal	
SI.No.	PackageNo		No of Sluices	No.	Amount	Type of soil BC / OS	Length in m	Amount	Total Amount	LS Provision (	Grand Total	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Package No 5	11)Thirumanickam Tank	3	3	0.36	BC	120	5.22	5.58			
2		12)Periakattalai Tank	1	1	0.12	BC	45	1.96	2.08	T		
3		13)Allikundam Tank	2	2	0.24	BC	90	3.87	4.11			
		Package Total	6	6	0.72		255	11.05	11.77	0.33	12.10	
1	Package No 6	14)Mochikulam Tank	1	1	0.12	BC	40	1.84	1.96			
2		15)Kalappanpatti Tank	2	2	0.24	BC	90	4.14	4.38			
		Package Total	3	3	0.36		130	5.98	6.34	0.19	6.53	
1	Package No 7	16)Thangalacheri Periakanmoi	2	2	0.24	BC	80	3.68	3.92			
2		17)Thirali Periakanmoi	2	2	0.24	BC	80	3.68	3.92			
		Package Total	4	4	0.48		160	7.36	7.84	0.22	8.06	
1	Package No 8	18)Sivarakottai Karisalkulam	3	3	0.36	BC	80	3.68	4.04			
2		19)Arasapatti pottapacheri	1	1	0.12	BC	50	2.30	2.42			
		Package Total	4	4	0.48		130	5.98	6.46	0.19	6.65	
1	Package No 9	20)Melanesaneri Karisalkulam	2	2	0.24	BC	80	3.68	3.92			
2		21)Senkulam Tank	2	2	0.24	BC	80	3.68	3.92			
		Package Total	4	4	0.48		160	7.36	7.84	0.22	8.06	

		Name of the Tank	No of Sluices	Flow Measuring Device		Lining of Head Irrigation Channel			unt	0	le le	
SI.No.	PackageNo			No.	Amount	Type of soil BC / OS	Length in m	Amount	Total Amou	LS Provision 2.80 %	Grand Total	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Package No 10	22)Pokkampatti Tank	2	2	0.24	BC	80	3.68	3.92			
2		23)Pullamuthur Tank	2	2	0.24	BC	80	3.68	3.92			
		Package Total	4	4	0.48		160	7.36	7.84	0.22	8.06	
		Grand Total	47	47	5.64		1890	85.50	91.14	2.57	93.71	

Certified that the Tanks included in the originally approved DPR of Upper Gundar Sub Basin 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 Nil number of tanks having soil other than black cotton soil.

Certified that the field / Irrigation channel drawing type II is adopted in 23 number of tanks having black cotton soil

\* BC- Black Cotton soil

OS - Other Soil

Executive Engineer,WRO., Gundar Basin Division, Madurai. Superintending Engineer,WRO., Vaippar Basin Circle, Virudhunagar. Chief Engineer,WRO., Madurai Region, Madurai

FORMAT I	
----------	--

Name of Region	:	Madurai
Name of Circle	:	Vaippar Basin Circle , Virudhunagar.
Name of Division	:	Gundar Division, Madurai
Name of Sub Basin	:	Upper Gundar
Total Number of Tanks taken up under IAMWARM	:	23
Method of Procurement		National Shopping

(Note : Procurement Plan to be got approved by world bank separately) PACKAGEWISE ABSTRACT

SI.No.	Package Number	Name of work	No of tanks	No of flow measuring device (Nos)	Length of Lining Head Irrigation Channel ( in M)	Total amount including L.S.(Rs in Lakhs)	Remarks
1	01 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Kuppammal samudhram tank, Kadambankulam tank in Varattar river under Upper Gundar sub basin in Peraiyur Taluk of Madurai District.	2	5	200	10.07	
2	02 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Saptur Periakanmoi, Kudiseri tank and Sennelperi tank in Varattar river under Upper Gundar sub basin in Peraiyur Taluk of Madurai District.	3	6	240	12.09	
3	3 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Poolankulam tank and Alappalacheri Periakanmoi in Varattar river under Upper Gundar sub basin in Peraiyur and Thirumangalam Taluks of Madurai District.	2	5	200	10.07	

SI.No.	Package Number	Name of work	No of tanks	No of flow measuring device (Nos)	Length of Lining Head Irrigation Channel ( in M)	Total amount including L.S.(Rs in Lakhs)	Remarks
4	4 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Elumalai Periakanmoi, Kanakkankulam tank and Chokkanathan tank in Goundanadhi under Upper Gundar sub basin in Peraiyur Taluk of Madurai District.	3	6	255	12.02	
5	5 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Thirumanickam tank, Periakattalai tank and Allikundam tank in Goundanadhi under Upper Gundar sub basin in Peraiyur and Usilamaptti Taluks of Madurai District.	3	6	255	12.10	
6	6 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Mochikulam tank and Kalappanpatti tank in Goundanadhi under Upper Gundar sub basin in Peraiyur Taluk of Madurai District.	2	3	130	6.53	
7	7 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Thangalacheri Perikanmoi and Thirali Periakanmoi in Goundanadhi under Upper Gundar sub basin in Thirumangalam Taluk of Madurai District.	2	4	160	8.06	
8	8 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Sivarakottai karisalkulam and Arasapatti pottapacheri tank in Goundanadhi under Upper Gundar sub basin in Thirumangalam Taluk of Madurai District.	2	4	130	6.65	

SI.No.	Package Number	Name of work	No of tanks	No of flow measuring device (Nos)	Length of Lining Head Irrigation Channel ( in M)	Total amount including L.S.(Rs in Lakhs)	Remarks
9	9 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Melanesaneri karisalkulam and Senkulam tank in Goundanadhi under Upper Gundar sub basin in Thirumangalam Taluk of Madurai District.	2	4	160	8.06	
10	10 / IAMWARM / WRD / UGR / WORKS / II / 2011 - 2012	Lining of head Irrigation channel and providing Flow measuring devices for Pokkampatti tank and Pullamuthur tank in Goundanadhi under Upper Gundar sub basin in Thirumangalam Taluk of Madurai District.	2	4	160	8.06	
		TOTAL	23	47	1890	93.71	

Executive Engineer,WRD., Gundar Basin Division, Madurai Superintending Engineer,WRD., Vaippar Basin Circle, Virudhunagar. Chief Engineer,WRD., Madurai Region, Madurai – 2.





