



TN- IAMWARM PROJECT

KOTTAKARAIYAR SUB BASIN

WRD



**KOTTAKARAIYAR SUB BASIN
REPORT**

DETAILED PROJECT REPORT ON REHABILITATION OF LEFT OUT COMPONENTS IN THE TANKS IN PHASE I OF KOTTAKARAIYAR SUB BASIN IN SIVAGANGAI AND RAMNATHAPURAM DISTRICT.

Estimate Amount:Rs 932.00 lakhs

In phase I of IAMWARM project rehabilitation works to Irrigation structures in KOTTAKARAIYAR sub basin in Sivagangai and Ramnathapuram District were completed in 2009-2010.Kottakkaraiyar is one of the Sub-Basin in Pambar-Kottakkariyar basin which is located in between Agniyar Basin in North and Vaigai Basin in South. which extents over a total area of 1427.20 Sq.Km It covers the taluks of Sivagangai, Manamadurai, Ilayangudi of Sivagangai District and the taluks of Paramakudi, Ramanathapuram and Thiruvadana of Ramanathapuram District. This Sub-Basin is highly drought prone area and most backward in development both in industrial and agricultural aspects.

The Government of Tamilnadu have accorded Administrative sanction in G.O.No.43 PW (WRI) Dept. dated.26.02.2007 for implementing TN IAMWARM Project with World Bank Assistance in 9 Sub Basins consisting of 71 Packages. for **Rs.399.26** Crores. Among the 71 Packages, 9 Packages are coming under Kottakaraiyar Sub Basin. Kottkaraiyar is one among the above and Administrative sanction accorded for the above 9 Package for **Rs.4300.90** Lakhs. Based on the Administrative sanction ccorded the detailed Estimate for the above work has been Technically sanctioned by the Chief Engineer, WRO Madurai Region, Madurai for **Rs.4296.30** Lakhs. adopting the schedule of rate for the year 2006 -2007. These works were completed as per estimate and agreement.

REHABILITATION TAKEN UP :-

Kottakaraiyar Basin is having 454 tanks, 182.66 Km of supply channel, 441 nos of weir in tanks and 11 nos of Anicuits out of which Rehabilitation of 310 Nos of Tanks, 7 Nos of anicuts and 164.08 km desilting and improvements to supply channels and strengthening of the tank bunds are proposed in the Kottakaraiyar Sub Basin under IAMWARM Project phase-I . and the works were completed on 31.03.2010.In the above components some of them are left out during the phase I and 144tanks were left out during preparation of scheme estimate.In the phase I 310 tanks were taken for execution

some of the components were left out as per site condition. Out of 144 left out tanks 19 tanks and some of the components in 13 tanks were left out in phase I scheme are required immediate Rehabilitation which are included in this left out component estimate.

LEFT OUT COMPONENTS :-

In this rehabilitation estimate for left out components 32 Nos of tanks and also 2 nos. of anicut which are not taken in phase I is now additionally proposed as left out components in this Kottakaraiyar sub basin.

During WRO officials visit to the subbasin emphasized the need of attending major important defect and also requested to carry out the leftout components of the tanks in the left out component scheme..

The block level water users Association meetings conducted during November 2010 and feed back obtained regarding the success of the IAMWARM project. In the above meetings a questionnaire (Department wise) given to the WUA representatives and obtain the feed back.

By analyzing the feed backs given by them, it is found that some essential works were left out in the IAMWARM project. Based on their feed back again a walk through survey was conducted along with the WUA president and TC members, left out essential components identified and the particulars gathered accordingly.

By using the over all savings amount available in the project additional rehabilitation works proposed in this sub basin area based on the agreed actions in the wrap up meeting chaired by the finance secretary on 17.09.2012, which was communicated in Engineer in Chief WRD letter no: Tech cell/5752/WB Mission/2009 Dated:05.10.2012.

Under the IAMWARM project, the following investments are proposed to rehabilitate the PWD tanks.

PROJECT PROPOSALS :-

Tank Bund:

In kottakaraiyar sub basin total number of tanks are 454. Out of this, 310 tanks were taken in IAMWARM phase-I. In this 310 tanks, 13 tank bunds were left out, which is also included in this left out components proposal, now along with 19 other tank bunds.

Supply Channel:

In this basin total number of supply channel is 290 in which 107 supply channel were taken in phase-I. In the remaining 183 supply channels 12 nos. of supply channels is proposed in the left out components.

Sluice:

Total number of sluices in this basin is 680 nos. In which, 177 nos. are repaired and 388 nos were reconstructed in Phase-I. In the remaining 115 sluices, 34 nos. for repairs and 33 nos. for reconstruction is proposed in the left out components.

Weir:

Total no. weirs in this basin is 441 nos. In which repair works carried out for 43 nos. and reconstruction was carried out for 60 nos. in Phase-I. In the remaining 338 nos. 7 nos. of weir are proposed for repairs in the left out components.

Lining Field channel:

No field channel lining and installation of flow measuring devices are taken in phase-I. Separate DPR is submitted for Lining of field channel and FMD installation for **144 PWD tanks** and AS accorded in G.O (MS) no;258 Public works (WRI) Dept Dt 5.11.2012. for **Rs.9.30 Crores**. Now field channel lining for 61 nos. and FMD installation are proposed for 63 nos. of sluices in 32 tanks in the left out components.

Anicut:

Total numbers of Anicuts in this basin is 11 nos. In which 5 nos. of repairs and 2 nos. of reconstruction was already done in Phase-I. In the remaining 4 nos. repairs works to be proposed for 2 nos. of anicuts in the left out components.

With representation of WUA , walk through survey made by officials with WUA's . It is proposed to rehabilitate the left out components which are in need of immediate essential rehabilitation are identified . It is proposed to rehabilitate the selected left out components of tanks with available savings amount of IAMWARM (I phase) . The total cost for the Rehabilitation of left out components works out to **Rs.932.00 lakhs**.

The Rehabilitation of left out component estimate is splitted up into two packages as follows

KOTTAKARAIYAR SUB BASIN PACKAGE DETAILS

Sl. No.	PACKAGE NO.	NAME OF THE PACKAGE	PACKAGE AMOUNT IN LAKHS
1	01/IAMWLeFARM/WRD/KOYR/left out Works/IV/ 2012 - 2013	Rehabilation of Left out components of works in kottakaraiyar sub basin in Ilayangudi taluk and thiruvadanaI taluk of sivagangai district	447.00
2	02/IAMWARM/WRD/KOYR/Left out Works/IV/ 2012 - 2013	Rehabilation of Left out components of works in kottakaraiyar sub basin in Sivagangai taluk of sivagangai district district	485.00
		Total	932.00

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