

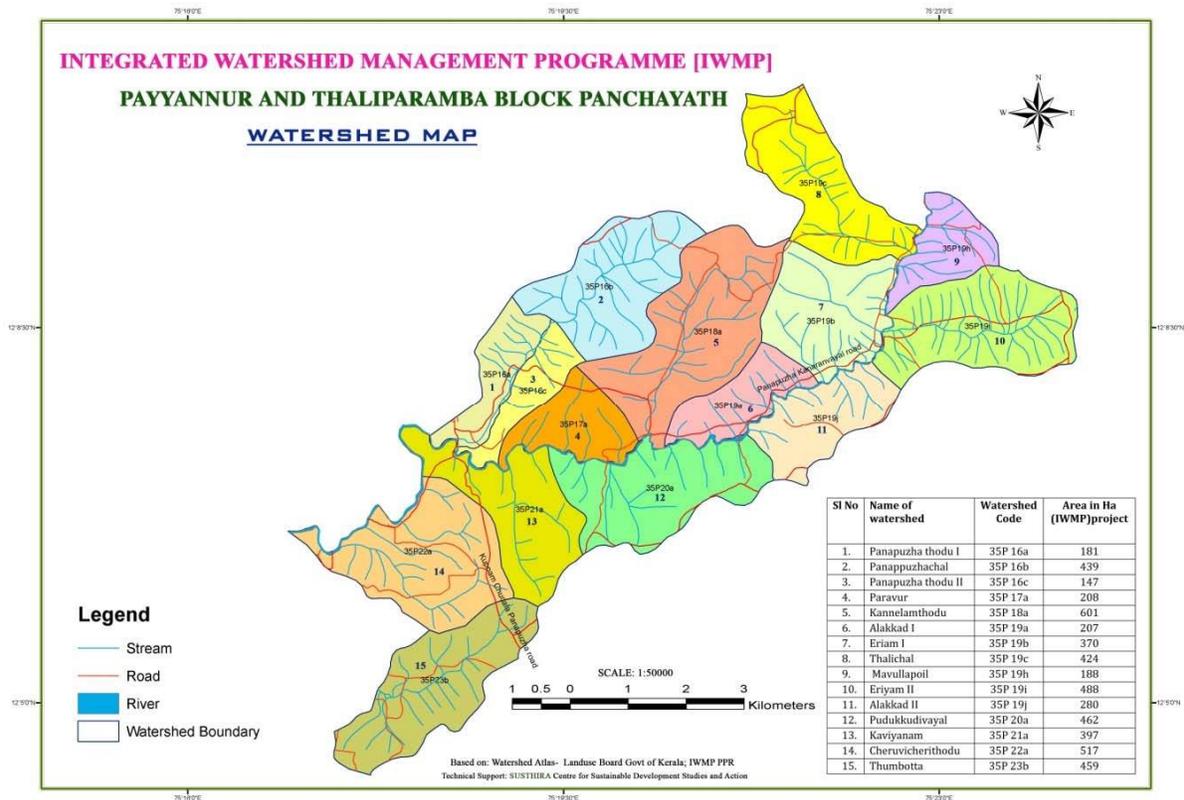
## Endline Evaluation of PMKSY-WDC Watershed Projects

### REPORT: PAYYANNUR BLOCK(Kannur District)

The project area under IWMP sanctioned for Payyannur Block Panchayat has a total area of 5369 Ha which is considered as land under agricultural use. This includes a total cultivable waste of 1089 ha and the whole area is considered as rainfed. The project area was selected for treatment based on certain criteria such as agro-climatic condition of the project area, demography and land distribution, livelihood, availability of irrigation facilities etc. The fifteen watersheds included in the project are lying in Payyannur and Thaliparamba blocks of Kannur district

**Table 1 Details of microwatersheds in the area**

Sl. No.	Code No.	Name of Watershed	Total Area (ha)	Land Under Agriculture (ha)	Waste Land (ha)	
					Cultivable	Non-Cultivable
1	35P16a	Panapuzhathodu - I	181	181	0	0
2	35P16b	Panapuzhachal	439	322	71	45
3	35P16c	Panapuzhathodu - II	147	147	0	0
4	35P17a	Paravoor	208	183	25	0
5	35P18a	KannelamThodu	602	402	199	0
6	35P19a	Alakkadu –I	207	207	0	0
7	35P19b	Eriam – I	370	232	138	0
8	35P19c	Thalichal	424	413	12	0
9	35P19h	Mavullapoil	188	188	0	0
10	35P19i	Eriyam – II	488	488	0	0
11	35P19j	Alakkadu – II	280	280	73	0
12	35P20a	Puthukkudivayal	462	462	125	0
13	35P21a	Kaviyanam	397	397	191	0
14	35P22a	Cheruvicherythodu	517	517	226	0
15	35P23b	Thumbotta	459	459	29	201
<b>Total</b>			<b>5369</b>	<b>4878</b>	<b>1089</b>	<b>246</b>



**Figure 1 Location map of project area**

The evaluation team from CWRDM visited the project area on 01/02/2019. They at the outset held discussions with the BDO, Technical Expert and the VEOs who have associated with the implementation of the scheme, at Payyannur Block Office. It was reported that the project was well conceived and totally beneficial for the stakeholders in conserving the natural resources and for the overall socio economic improvement of the area. However, for the Batch II projects, non availability of funds in time had adversely affected the project implementation. Many of the schemes planned including livelihood activities could not be continued/completed due to fund shortage. After the discussions a field visit was done by the team. The Technical Expert Shri M Bhaskaran has accompanied the team in all places along with the respective VEOs in different Panchayaths.

The works visited by the team are:

1. Idakkom town public well

This perennial well is located in the Eriam II watershed of Kadannappalli – Panappuzha Grampanchayath. There is no pump installed in the well. The well meets hard rock at the bottom. The work was completed in 2006 at a cost of Rs1,12,154.

2. Kannankai VCB

This work is located in the Eriam II watershed of Kadannappalli – Panappuzha Grampanchayath. It is constructed across a perennial stream and is mainly used for irrigation purpose. More than 15 families nearby benefit from the improvement of ground water table

due to this structure. The side banks are also lined to protect it from flooding. The work was completed at a cost of Rs8,70,022.

3. Eriam VCB (KanaaramVayalthodu)

This work is located in the Eriam II watershed of Kadannappalli – Panappuzha Grampanchayath. It is constructed across the same stream as that of the Kannankai VCB. Nearly 20 families benefit from the structure. The work was completed at a cost of Rs.9,47,351.

4. Plantain cultivation under Production System & Micro-enterprises

Financial assistance of Rs.15000/Ha was given to Mr. Varghese for cultivation of plantain/banana in his plot having an area of 50 cents. Seedlings were also provided .

5. Side protection

This work is located in the Alakkaduwatershed of Kadannappalli gram panchayath. 87m stretch of side bank was lined according to local demand to arrest soil erosion and for the smooth flow of drainage water.

6. Koipravayal Pond

This pond is situated in the Kannelamthodu watershed of Eramamkuttoor gram panchayath. The water from this pond is used to irrigate nearly 2.5 Ha of land where mainly vegetables are cultivated.

### **Summary of the Evaluation of Outcomes of PMSKY-WDC Project**

District	Kannur	Date of visit	01/02/2019
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#### **1. Project Details**

Project No	IWMP I/2010-11
Name of Block	Payyannur&Thaliparamba
Sanctioned Area (ha)	5369
Sanctioned Cost (Rs in lakh)	805.35
Funds Received/Available (Rs in lakh)	456.51
Expenditure Incurred(Rs in lakh)	389.71 (48.39 %)
Name of Villages included in the project	Eramam-Kuttur&Kadannappally

#### **2. Impact Details**

Sl. No.	Items	Unit	Pre-project status	Status at the end of project	Remarks
1	Average depth of water table in dug wells	m	4.7	3.5	There is an increase of more than 1 m
2	Average depth of water table in tube wells	m	--	--	No data available
3	Number of ground water structures (dug wells + tube wells + hand pumps) rejuvenated/created	nos.	--	350	339 created and 11 rejuvenated
4	Increase in Irrigation potential	ha	3789	4405	Increase of 616 ha
5	Area of Wasteland brought under productive use (like agriculture, plantation, fodder, etc)	ha	--	616	Due to availability of water for irrigation
6	Change in cropping / land use pattern (i) Area under Agriculture Crop (ii) Area under plantation / forest cover (iii) Area Under Wastelands	ha	- - -	- - -	9.2 ha afforestation done
7	Area Under Agriculture Crop (i) Area under Kharif crop (ii) Area under Rabi crop (iii) Area under double crop	ha	280 - -	320 - -	40 ha increase
8	Cropping intensity	%	53	68	Wasteland converted for productive use and double crop
9	Increase in Yield /ha of crops (i) Rabi crop (ii) Kharif crop	qt/ha	20	25	
10	Area of horticulture crop	ha	115	198	83 ha increase
11	Employment in agriculture related activities among beneficiaries	Man days	35000	49400	14400 mandays
12	Employment in non- agricultural sectors	Man days	--	10847	Additional mandays created
13	Fodder production	qt			10% increase. Exact data not available

14	Fuelwood production	qt			No data available
15	Number of milch cattle	nos			10% increase . Exact no. is not known
16	Milk production	Kl/yr			Approx. 8,000 lit/year increase
17	Duration of flow of water in streams (upto November/December/January/February....May)		December	February	Prolonged flow of two months
18	Improvement of drinking water facility		Upto Feb.	Upto May	Drinking water from well (level of water increased)
19	No. of persons engaged in ancillary activities like fishery, poultry,rural craftsmanship	nos	350	420	Increase of 70
20	Number of children enrolled in schools in the project area	nos			All children are enrolled
21	Reduction in migration from rural to urban area in the project area	nos			More than 25,000 mandays of labour generated due to project.
22	Annual mean household income	Rs	48000	57000	9000 increase
23	Any other measureable indicator of impact assessment i) No of farmers benefitted out of the project : 6625 ii) No. of SHGs created : 147 iii) Production systems made available : 182				



A well constructed in the project area



A VCB across the stream in Eriam watershed



Renovated pond at Koipravayal



Side protection in the Alakkadu watershed