

Endline Evaluation of PMKSY-WDC Batch II Watershed Projects

REPORT: PATTAMBI BLOCK (PATTAMBI E2)(Palakkad District)

The project area is spread in Pattambi and Ottappalam Block Panchayaths of Palakkad District. It includes Ongallur, Vallapuzha&ChalavaraGram Panchayaths. The total treatable area under the project is 4385 Ha which is spread across 5 micro watersheds namely Ongallur, Kuzhiyanamukku, Choorakode,Kuruvattur and Vadanamkurissi.The project area is drought prone due to the irregular and uneven rainfall in the past and land degradation is occurring at a drastic rate due to the unscientific land management practices. More than 50 Km streams (water bodies) are flowing in the cluster. The watersheds are part of the Bharathapuzha river basin.

Table 1 Details of micro watersheds included in the project area

Sl. No.	Name	Code	Treatable Area (Ha)
1.	Ongallur	20B7C	651
2.	Kuzhiyanamukku	20B7C	373
3.	Choorakode	20B9b	1823
4.	Kuruvattur	20B9c	1191
5.	Vadanamkurissi	20B9e	347
Total			4385

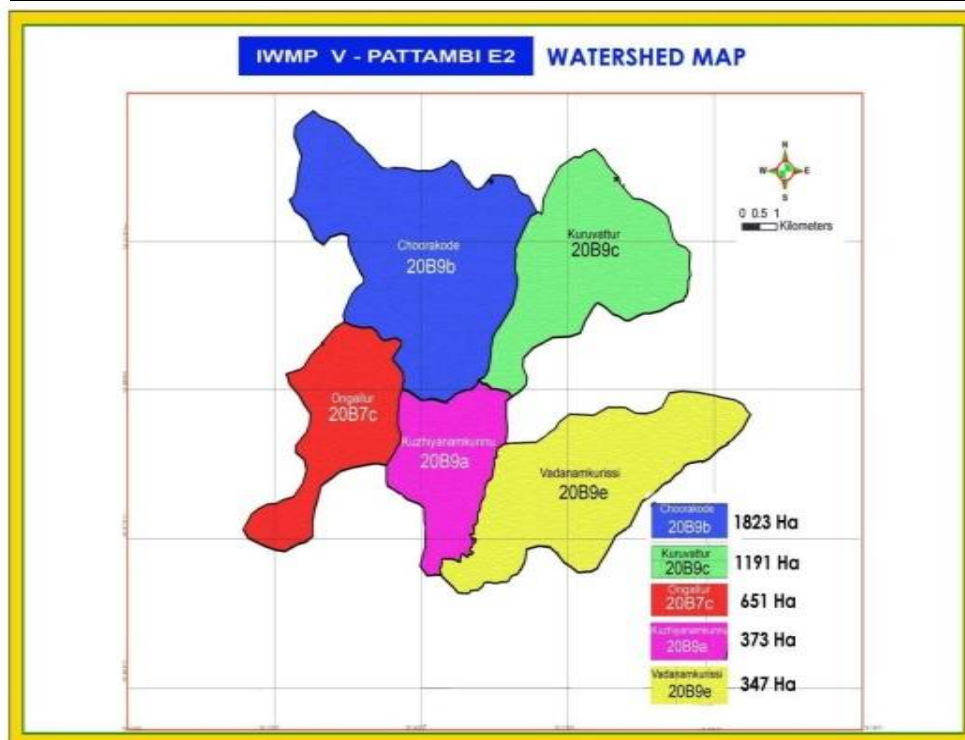


Figure 1 Watershed map of the project area

The evaluation team from CWRDM visited the project area on 12/02/2019. The works visited by the team were:

1. Pindarikkara Temple pond renovation

The work is located in the Ongallur watershed of Ongallur Gram Panchayath. The total cost of construction was Rs. 6,87,000.

Summary of the Evaluation of Outcomes of PMKSY-WDC Project

District	Palakkad	Date of visit	12/02/2019
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1. Project Details

Project No	IWMP V/2010-11 Pattambi E2
Name of Block	Pattambi
Sanctioned Area (ha)	4385
Sanctioned Cost (Rs in lakh)	657.75
Actual Expenditure (` Lakh)	358.52 (54.5 %)
Name of Villages included in the project	Vallapuzha, Marathoor I, Vadanamkurissi, Chalavara, Vadanamkurissi II

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	6.13	5.20	An average increase of 1 m observed in most of the wells. In certain areas it is more than 1.5 m.
2	Average depth of water table in tube wells	m	--	--	No data available. Bore wells are not monitored.
3	Number of ground water structures (dug wells + tube wells + hand pumps) rejuvenated	nos.	--	45	Additional 45 structures created or renovated- including farm ponds 11, check dams 18, and percolation ponds etc.
4	Increase in Irrigation potential	ha	--	770	770 ha of additional area brought under protective irrigation because of the water conservation and

					harvesting structures
5	Area of Wasteland brought under productive use (like agriculture, plantation, fodder, etc)	ha	--	30	30 hectares of barren land brought under productive crops
6	Change in cropping / land use pattern (i) Area under Agriculture Crop (ii) Area under plantation / forest cover (iii) Area Under Wastelands	ha	430 320 110	460 320 80	Agri.crops marginal increase and area under wastelands slightly reduced
7	Area Under Agriculture Crop (i) Area under Kharif crop (ii) Area under Rabi crop (iii) Area under double crop	ha	430 220 220	460 250 250	Area under paddy and double crop marginal increase
8	Cropping intensity	%	50	54	4% approx..
9	Increase in Yield /ha of crops (i) Rabi crop (ii) Kharif crop	qt/ha	30	32	2 qt/ha
10	Area of horticulture crop	ha	190	230	Horticulture crops in homesteads increased
11	Employment in agriculture related activities among beneficiaries	Man days	--	--	Additional 19590 man days of direct employment generated in this project
12	Employment in non- agricultural sectors	Man days	--	19590	
13	Fodder production	qt	840	940	There is increase of 10-12 % fodder production due to setting up of goat and cattle rearing units by 1000 beneficiaries
14	Fuelwood production	qt	--	--	No data available
15	Number of milch cattle	nos	--	--	Exact data not available. An increase of 8 % due to cattle rearing
16	Milk production	Kl/y r	--	--	Increase of 7 %
17	Duration of flow of water in streams (up to Nov/Dec/Jan/Feb...May)		January	March	Two months prolonged flow in streams
18	Improvement of drinking water facility		February	March end	Availability of water till March end
19	No. of persons engaged in ancillary activities like fishery, poultry, rural craftsmanship	nos	--	Around 900	855 beneficiaries alone adopted poultry practice.

20	Number of children enrolled in schools in the project area	nos	--	--	100 % enrollment in schools is noticed in the watershed area.
21	Reduction in migration from rural to urban area in the project area	nos	--	--	The project generated nearly 20000 man-days.
22	Annual mean household income	Rs	52,000	57,000	Data generated from local enquiry, increase of more than 10 % due to increase in setting up of micro-enterprise activities.
23	Any other measureable indicator of impact assessment i) Around 1900 beneficiaries set up micro-enterprise activities like poultry, Goat and Cattle rearing. ii) As much as 179 SHGs formed and 70 were assisted with 350 beneficiaries. iii) It was reported that 1090 farmers benefited from this project.				



Figure 2 Renovated Pindarikkara Temple pond