

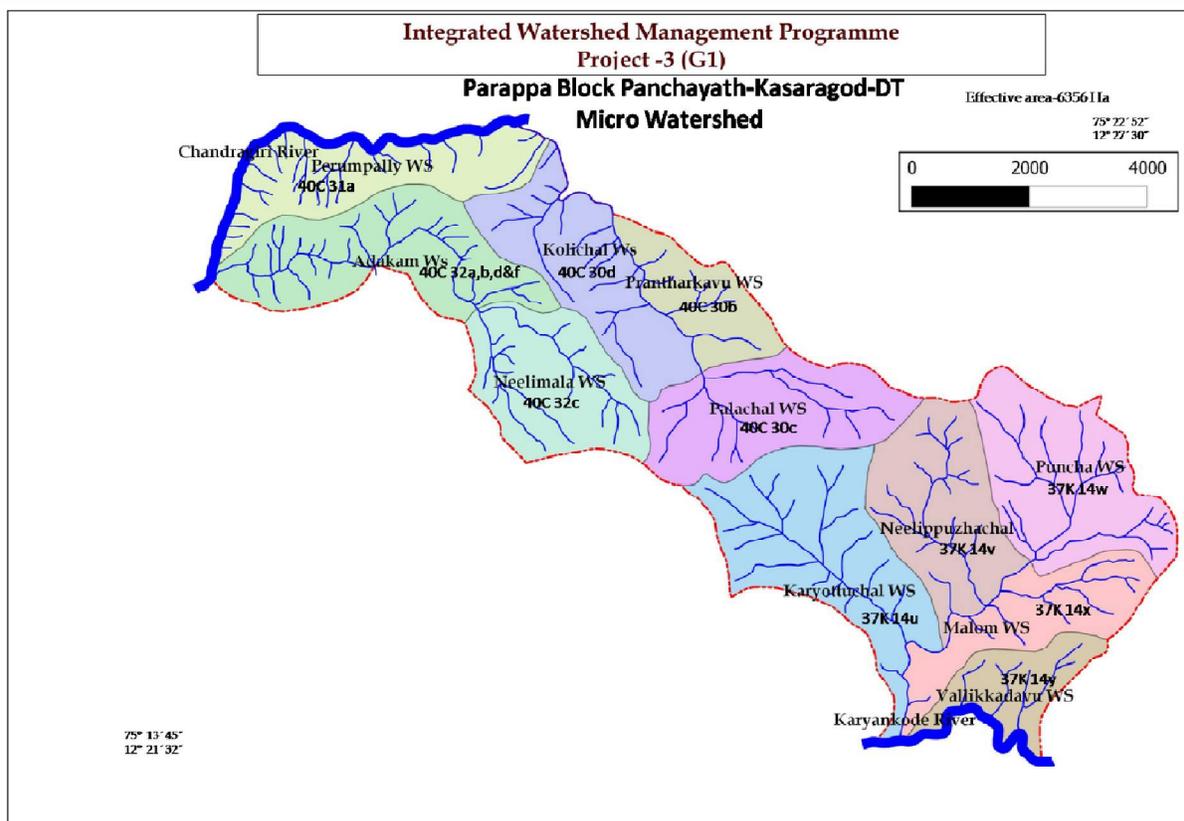
Endline Evaluation of PMKSY-WDC Watershed projects

REPORT: PARAPPA BLOCK – IWMP 3(Kasaragod District)

The project area lies in the Parappa Block Panchayath of Kasaragod District. It consists of 11 micro watersheds spread across Panathadi, Kallar and Balal GramPanchayaths. The micro watersheds are namely Vallikkadavu, Malom, Puncha, Neelippuzhachal, Karyottuchal, Palachal, Prantharkavu, Kolichal, Neelimala, Adakam, Perumpally (Pookkayam) and they occupy a total area of 6356 Ha.

Table 1 Details of micro watersheds in the project area

Sl No	Name of Micro Watershed	Code no.	River basin	Grampanchayath	Effective Area (Ha)
1	Vallikkadavu	37K 14y	Karyankode	Balal	315
2	Malom	37K 14x			489
3	Puncha	37K 14w			609
4	Neelippuzhachal	37K 14v			657
5	Karyottuchal	37K 14u			831
6	Palachal	40C 30c	Chandragiri	Balal,Kallar&Panathadi	701
7	Prantharkavu	40C 30b		Panathadi	310
8	Kolichal	40C 30d		Kallar	547
9	Neelimala	40C 32c			611
10	Adakam	40C32a,b,d &f			618
11	Perumpally(Pookkayam)	40C 31a			668
Total					6356



Watershed map of the project area

The evaluation team from CWRDM first visited the IWMP 3 project on 02/02/2019 and later held discussions with the project implementation team. BDO, Block Panchayath President, Technical expert and VEOs were present in the meeting. Technical Expert and respective VEOs have accompanied the team in their field visit in the project area. The investigating team also held discussions with the various beneficiaries and stakeholders during the field visit, to know their perceptions regarding the impact of the project. The works visited by the team were:

1. Kallar side protection work with gully plugging

This work is located in the Aadakom watershed of KallarGram panchayath. There is a total of 32 nos. of loose rock bunds installed throughout the length of protection work. It helps in improving the ground water availability in the ST colony in the vicinity.

2. Earthen Bunds

Earthen bunds were constructed in nearly 28 acres of land belonging to 4 individuals under production system improvement activities. The work is located in the Aadakom watershed of Kallar Gram panchayath.

Summary of the Evaluation of Outcomes of PMSKY-WDC Project

District	Kasaragod	Date of visit	02/02/2019
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1. Project Details

Project No	IWMP III
Name of Block	Parappa
Sanctioned Area (ha)	6671
Sanctioned Cost (Rs in lakh)	953.4
Actual Expenditure (Rs in lakh)	377.66 as on march 2018 (39.61%)
Name of Villages included in the project	Balal, Malom, Kallar, Panathody

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	1.63	1.73	Water Column increase of 10 cm average
2	Average depth of water table in tube wells	m	14	16	2 m increase in bore wells in April
3	Number of ground water structures (dug wells + tube wells + hand pumps) rejuvenated	nos.	--	4	Groundwater structures are less. One farm pond created, one rejuvenated.m 2 percolation tanks
4	Increase in Irrigation potential	ha	--	360	360 ha protective irrigation
5	Area of Wasteland brought under productive	ha	39	28	Reduction in

	use (like agriculture, plantation,fodder,etc)				wasteland -11 ha
6	Change in cropping / land use pattern (i) Area under Agriculture Crop (ii) Area under plantation / forest cover (iii) Area Under Wastelands	ha	6268 315 39	6290 320 28	Increase of 22 ha 5 ha increase 11 ha reduced
7	Area Under Agriculture Crop (i) Area under Kharif crop (ii) Area under Rabi crop (iii) Area under double crop	ha	6268	6290	Paddy and other crops cultivation increased by 22 ha
8	Cropping intensity	%	64	66	Only 2% increase
9	Increase in Yield /ha of crops (i) Rabi crop (ii) Kharif crop	qt/ha	24	25	Yield increase of 1qt/ha
10	Area of horticulture crop	ha	380	468	88 ha increase
11	Employment in agriculture related activities among beneficiaries	Man days	---	25,698	Mandays generated out of project
12	Employment in non- agricultural sectors	Man days			
13	Fodder production	qt	1400	1650	Increase 250 qt
14	Fuelwood production	qt	-	-	--
15	Number of milch cattle	nos	1023	1165	cattle population increased by 142
16	Milk production	Kl/yr	1438	1538	1,00,000 lit of milk per year
17	Duration of flow of water in streams (upto November/December/January/February....May)		February	March	One month prolonged flow
18	Improvement of drinking water facility		January	April	3 months additional
19	No. of persons engaged in ancillary activities like fishery, poultry,rural craftsmanship	nos	120	144	Increase by 24
20	Number of children enrolled in schools in the project area	nos	-	-	All are school going
21	Reduction in migration from rural to urban area in the project area	nos	-	-	Nearly 26,000 mandays
22	Annual mean household income	Rs	34000	38000	Increase of Rs. 4000/household

23	Any other measureable indicator of impact assessment i) 15 SHGs created ii) Production system made available for 57 ha iii) Farmers benefitted out of project is 3125
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Side protection and gully plugging of Kallarstream in Aadakom watershed



Stone pitched bunds constructed in Aadakom watershed