

**Endline Evaluation of PMKSY-WDC Watershed projects**  
**REPORT: PARAPPA BLOCK – IWMP 4(Kasaragod District)**

The project has a total area of 5410 Ha which is spread over in Kinanoor –Karinthalam, West – Eleri, Peria and Balal Gram Panchayats. It consists of 14 micro watersheds namely Kumbalapally, Parappa, Kammadam, Kolamkulam, Parappachal, Kudoor, Plathadam, Kutamadal, Aralakandam, Varakkadu, Kurinchery, Kunnamkai, Pungamchal, Kannankunnu.

**Table 1 Details of micro watersheds in the project area**

SI No	Watershed	Identification Code	River Basin	GramPanchayath	Effective area (Ha)		
1	Kumbalapally	38 N11e	Nileswaram	Kinanur- Karinthalam	1036		
2	Parappa	37K14d	Karyankode	Kinanur-Karinthalam&Balal	282		
3	Kammadam	37K14c		Kinanur-Karinthalam		312	
4	Kolamkulam	37K 14b				180	
5	Parappachal	37K14a				293	
6	Kudoor	37K13a				94	
7	Plathadam	37K14e				222	
8	Kutamadal	37K14f				330	
9	Aralakandam	37K14ah				West Eleri	528
10	Varakkadu	37K14ag				West Eleri& East Eleri	1065
11	Kurinchery	37K14g					277
12	Kunnamkai	37K14h					256
13	Pungamchal	37K14r				West Eleri	116
14	Kannankunnu	37K14q					142
<b>Total</b>					<b>5410</b>		



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

1. Model plot – Prathibha Nagar

This plot lies in the Parappa watershed of Kinanoor-Karinthalam Gram Panchayth. Variety of vegetables and flowers are grown in this plot as part of production system enhancement. Organic pest control measures are adopted here and the smell from the flowers keep away harmful insects which affects the vegetable yield. Financial assistance of Rs. 30,000/Ha and a cow was provided from IWMP fund.

2. Kurunjerithatt Milk Production Cooperative Society

This society is located in the Kumbalappilliwatershed of Kinanoor-Karinthalam GramPanchayth. Fortytwo farmers are members in this society and together they collect about 400Lit of milk per day. Financial assistance was provided from IWMP fund for the formation of this society.

**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 IV
Name of Block	Parappa
Sanctioned Area (ha)	5410
Sanctioned Cost (Rs in lakh)	769.95
Actual Expenditure	215.53 March 2018 (27.99 %)
Name of Villages included in the project	Kinanoor, Karithalam, Parappa, Bheemanally, Westelehi, Balal, Periya

**2. Impact Details**

Sl. No	Items	Unit	Pre-project status	Status at the end of project	Remarks
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1	Average depth of water table in dug wells	m	1.50	1.65	15 cm increase in water Column (January)
2	Average depth of water table in tube wells	m	15	19	4 m increase in water column in bore wells
3	Number of ground water structures (dug wells + tube wells + hand pumps) rejuvenated	nos.	42	42	No change. Rejuvenation/renovation of structures not done
4	Increase in Irrigation potential	ha	2164	2266	Increase of 102 ha
5	Area of Wasteland brought under productive use (like agriculture, plantation, fodder, etc)	ha	73	50	Reduction of 23 ha in wasteland
6	Change in cropping / land use pattern (i) Area under Agriculture Crop (ii) Area under plantation / forest cover (iii) Area Under Wastelands	ha	3787 550 73	4310 567 50	An increase of 523 ha under Agri .crop. Afforestation in 17 ha
7	Area Under Agriculture Crop (i) Area under Kharif crop (ii) Area under Rabi crop (iii) Area under double crop	ha	3787	4310	Area under paddy crop has increased by 523 ha
8	Cropping intensity	%	63	70	7 % increase in cropping intensity
9	Increase in Yield /ha of crops (i) Rabi crop (ii) Kharif crop	qt/ha	21	22	Increase of 1 qt/ha of paddy
10	Area of horticulture crop	ha	260	274	14 ha more under horticulture crop
11	Employment in agriculture related activities among beneficiaries	Man days	---	15236	Mandays generated in the project alone.
12	Employment in non- agricultural sectors	Man days			
13	Fodder production	qt	1400	1600	Increase of 200 qt
14	Fuelwood production	qt	-	-	No Data
15	Number of milch cattle	nos	930	1080	150- increase in cattle population
16	Milk production	Kl/yr	1339	1559	2,20,000 lit of increased milk prodn.
17	Duration of flow of water in streams (upto November/December/January/February.... May)		January	March	Two months enhanced flow of water in streams

18	Improvement of drinking water facility		February	April	Drinking water availability for extra two months
19	No. of persons engaged in ancillary activities like fishery, poultry,rural craftsmanship	nos	140	200	Increase of 60
20	Number of children enrolled in schools in the project area	nos	-	-	All children are enrolled in schools
21	Reduction in migration from rural to urban area in the project area	nos	-	-	During the project period migration reduced
22	Annual mean household income	Rs	30000	36000	Rs. 6,000/- increase
23	Any other measureable indicator of impact assessment i) SHGs : 47 ii) Production system in 176 ha iii) Farmers benefitted 862				



Variety of vegetables cultivated in the model plot  
in Parappa watershed