

Integrated Watershed Management Programme

Preliminary Project Report (PPR)

KASARAGOD

**Department of Land Resources,
Ministry of Rural Development,
Government of India**

Preliminary Project Report

- I. Institutional Structures.
 - A. State Level Nodal Agencies
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I. Institutional Structures

I. A. State Level Nodal Agencies (SLNAs):

Table-PPR 1: Details of SLNA

1	2	3	4	5	6
S. No.	State	Type of SLNA [#]	Date of Notification	Date of MoU with DoLR	Total no. of members of SLNA
	Kerala	Mission	14 June 2010		Twenty five

[#]Whether it is a Department/ Mission/ Society/ Authority/ Others (pl. specify)

Table-PPR 1: Details of SLNA (Contd..)

7		8					
Chairperson		CEO					
Name	Designation [#]	Name	Designation	Date of Appointment	Nature of appointment [§]	Tenure (No. of years)	Contact Ph. No./ Fax/ E-mail
Subrata Biswas IAS	Agriculture Production Commissioner	K.V. Mohankumar IAS	Commissioner for Rural Development	14 June 2010			
Dr. Rajan Khobragade IAS	Secretary, LSGD						

[#] APC/ ACS/ Dev. Commissioner/ Others (pl. specify) [§] Deputation/ Contract

Table-PPR 2: Details of functionaries in the SLNAs*

1	2	3	4	5	6	7	8		9	
Sl. No	Total no of Persons working in the SLNA of IWMP	Name & Designation	Qualification	Experience	Work Allocation	Monthly remuneration	Total budget of SLNA		Funding Expected from DoLR (Rs)	
							R	NR	R	NR
1	8	K.Shoukathali, Administrative Officer	MBA	25 Years	Administration & Co-ordination	Rs.65000/-	885000	3000000	885000	3000000
2		M.Jayasree, Technical Expert (Agri)	MSc Agriculture	25 Years	DPR,Agri & Soil, GIS	Rs.65000/-	875000		875000	
3		P.Balachandran Nair, Technical Expert (livelihhod)	MA	12 Years	Livelihood activities & Capacity Building	Rs.47000/-	636000		636000	
4		Kabeer.H, Finance Officer	Mcom	25 Years	Finance & Accounting	Rs.40000/-	540000		540000	
5		Dinil.R, Accounts Asst	MA	15 Years	Funds, Accounting, Establishment	Rs.30000/-	405000		405000	
6		Sindhu.D.S, Accounts Asst	BSc	15 Years	Scheme, IWDP,Audit	Rs.28000/-	379000		379000	
7		Karthiyani Devi.A.J, Programmer	Btech Computer Science	05 Yeas	Programming, MIS	Rs.25000/-	300000		300000	
8		Jisha.C.C, Data Entry Operator	Bcom with PGDCA	05 Years	Data Entry	Rs.10000/-	120000		120000	
							4140000	3000000	4140000	3000000

PR 3 Details of State Level Data Cell (SLDC) functionalities

1	2	3	4	5	6	7	8		9	
No	Total no. of persons working in the SLDC for IWMP	Names & Designation	Qualification	Experience	Work allocation	Monthly remuneration (Rs.)	Total budget of SLDC (Rs.)		Funding expected from DoLR (Rs.)	
							R	NR	R	NR
1	Nine	Technical expert, (Agriculture/ Agriculture Engineering)	PG/Ph.D in the related Field	10 years		50000				
2		Technical expert, (IT/Livelihood,micro enterprises /livelihood)	B Tech. Computer Science / MCA	10 years		50000				
3		Administrative Officer	PG in Administration / Management	10 years		40000				
4		Finance cum Accounts Officer	PG in FM / Accounts / CA	10 years		35000				
5		Accounts assistants - 2 numbers	Graduation in Accounts / Commerce / Economics	5 years		25000				
6		GIS expert	B Tech / M Sc / M Tech in related field	5 years		40000				
7		Data entry operator	Graduate+Certificate in DTP	5 years		15000				
8		Programmer	Diploma/Certificate in related fields	5 years		25000				

PPR 4 Details of Functionaries in District level Watershed Cell

1	2	3	4	5	6
No	Name of the District	Name of the executing Agency	Status of Chairman	Date of signing of MoU with SLNA	Total no. of persons working for Watershed programme
1	Thiruvananthapuram	Respective District Panchayats	President, Respective District Panchayat		Three each in all districts, 52 persons in the State
2	Kollam				
3	Pathanamthitta				
4	Alapuzha				
5	Kottayam				
6	Idukki				
7	Ernakulam				
8	Thrissur				
9	Palakkad				
10	Malappuram				
11	Kozhikkode				
12	Wayaand				
13	Kannur				
14	Kasaragpd				

PPR 4 Details of Functionaries in District level Watershed Cell (contd...)

	7	8	9	10	11	12		13	
No	Names & Designation	Qualification	Experience	Work allocation	Monthly remuneration (Rs.)	Total budget of Watershed Cell (Rs.)		Funding expected from DoLR (Rs.)	
						R	NR	R	NR
1	Technical expert	Graduation in the related field	5 years		25000				
2	Accountant	Graduation in the related field	3 years		10000				
3	Data entry operator	Diploma / certificate in the related field	3 years		7500				
					595000				

II. SELECTION OF WATERSHED PROJECTS

Table-PPR 5: Status of District-wise area covered under the watershed programme* (MIS Table-M(SP)2)

1	2	3		4						5			
S. No.	Names of District	Total micro-watersheds in the District		Micro-watersheds covered so far								Net watersheds to be covered	
				Dept. of Land Resources		Other Ministries/ Depts.		Total watersheds covered					
		No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)
1	Kasaragod	427	199168	3	8384	81	27867	84	36251	378	146349		
	State	4529	3874535	29	19345	955	1018761	983	1038991	2067	1459817		

Table-PPR 6: Prioritized list of projects proposed for sanction during the financial year 2014-15*

1	2	3	4	5	6	7	8													
Sl. No.	District	Name of the project	No. of micro watersheds proposed to be covered	Proposed project area (ha)	Type of project (Hilly/ Desert/ Others)	Proposed cost (Rs. in lakh)	Weightage under the criteria#													
							1	2	3	4	5	6	7	8	9	10	11	12	13	Total
1	Kasaragod	Kasaragod-IWMP-VII-2014-15	13	5239	Plains	628.68	7.5	3	0	10	2	0	15	7.5	15	10	10	15	0	95

* From column no. 2, total no. of districts, from column no. 3, total no. of projects selected for sanction, from column no. 4, total no. of micro-watersheds to be covered, from column no. 5, total project area proposed, from column no. 7, total cost proposed, may be indicated for the entire State at the end of the table.

Criteria and weightage for selection of watershed

Sl. No.	Criteria	Maximum score	Ranges & scores			
i	Poverty index (% of poor to population)	10	Above 80 % (10)	80 to 50 % (7.5)	50 to 20 % (5)	Below 20 % (2.5)
ii	% of SC/ ST population	10	More than 40 % (10)	20 to 40 % (5)	Less than 20 % (3)	
iii	Actual wages	5	Actual wages are significantly lower than minimum wages (5)	Actual wages are equal to or higher than minimum wages (0)		
iv	% of small and marginal farmers	10	More than 80 % (10)	50 to 80 % (5)	Less than 50 % (3)	
v	Ground water status	5	Over exploited (5)	Critical (3)	Sub critical (2)	Safe (0)
vi	Moisture index/ DPAP/ DDP Block	15	-66.7 & below (15) DDP Block	-33.3 to -66.6 (10) DPAP Block	0 to -33.2 (0) Non DPAP/ DDP Block	
vii	Area under rain-fed agriculture	15	More than 90 % (15)	80 to 90 % (10)	70 to 80% (5)	Above 70 % (Reject)
viii	Drinking water	10	No source (10)	Problematic village (7.5)	Partially covered (5)	Fully covered (0)
ix	Degraded land	15	High – above 20 % (15)	Medium – 10 to 20 % (10)	Low- less than 10 % of TGA (5)	
x	Productivity potential of the land	15	Lands with low production & where productivity can be significantly enhanced with reasonable efforts (15)	Lands with moderate production & where productivity can be enhanced with reasonable efforts (10)	Lands with high production & where productivity can be marginally enhanced with reasonable efforts (5)	
xi	Contiguity to another watershed that has already been developed/ treated	10	Contiguous to previously treated watershed & contiguity within the microwatersheds in the project (10)	Contiguity within the microwatersheds in the project but non contiguous to previously treated watershed (5)	Neither contiguous to previously treated watershed nor contiguity within the microwatersheds in the project (0)	
xii	Cluster approach in the plains (more than one contiguous micro-watersheds in the project)	15	Above 6 micro-watersheds in cluster (15)	4 to 6 microwatersheds in cluster (10)	2 to 4 microwatersheds in cluster (5)	
	Cluster approach in the hills (more than one contiguous micro-watersheds in the project)		Above 5 micro-watersheds in cluster (15)	3 to 5 microwatersheds in cluster (10)	2 to 3 microwatersheds in cluster (5)	

III) PROJECT WISE PROFILE OF THE SELECTED WATERSHED PROJECT

Table –PPR 7: Project at a Glance

1	Name of the State	Kerala		
2	Name & type [#] (Hilly/ Desert/ Others) of the project	IWMP 7	0	Hilly
3	Name of the District	Kasaragod		
4	Names of the Blocks	Kasaragod		
		Manjeswaram		
5	Names of Grama Panchayats	Mogral-Puthur		
		Madhur		
		Kumbala		
		Badiyadka		
		Chengala		
6	Names & Census Code of Villages covered	Edanad		627092
		Kaudlu		627133
		Madhur		627132
		Koipady		627128
		Bela		627090
		Chengala		627134
		Pady		627104
7	Names & Codes of the micro-watersheds	Thudiyar		41M1a
		Bedradka		41M2a
		Mogral		41M3a
		Neeroli		41M4a

		Ananthapuram	41M4d
		Shiravagilu	41M5a
		Maippadi	41M6a
		Kuthirappadi	41M7a
		Patla	41M8a
		Aranthodu	41M9a
		Maruthumvayal	41M16a
		Paadi	41M17a
		Yedineerr	41M18a
8	Four major reasons for selection of watershed	Heavy soil erosion & land degradation	
		Water scarcity and insufficient irrigation system	
		Strong presence of SC/ ST, BPL families and marginal farmers	
		Poor adaptation to climate change	
9	Area of the Project (ha.)		5382.24
10	Area proposed to be treated (ha.)		5239.00
11	Project Cost (Rs. in Lakhs)		628.68
12	Name and Address of proposed PIA	Kasaragod Block Panchayat	
13	Any other (please specify)		

Table-PPR 8: Details of previously identified DPAP/ DDP areas proposed under IWMP (ha) during the financial year*

(There are no DPAP/DDP blocks identified in Kerala)

Table-PPR 9: Land Use pattern of the project*

(Area in ha)

1 No	2 Name of Watersheds	3 Name of Villages	4 Geographical Area of the Watershed	5 Forest Area	6 Land under agricultural use	7 Rain fed area	8 Permanen t pastures	9	
								Wasteland	
								Cultivable	Non-cultivable
1	41M1a	Kadlu	594.79	0	396.11	396.11	0	14.6	0.97
		Koipady							
2	41M2a	Koipady	368.93	0	313.32	313.32	0	28.74	0.75
		Edanad							
3	41M3a	Edanad	283.62	0	272.86	272.86	0	0	0
		Kadlu							
4	41M4a	Bela	469.87	0	368.31	368.31	0	0	26.26
		Madhur							
		Kadlu							
5	41M4d	Madhur	276.04	0	674.98	674.98	0	12.81	0
		Bela							
6	41M5a	Madhur	272.21	0	238.85	238.85	0	17.01	0
7	41M6a	Chengala	428.75	0	540.9	540.9	0	123.22	0
		Madhur							
8	41M7a	Madhur	564.49	0	348.05	348.05	0	190.99	0
		Pady							
		Chengala							
9	41M8a	Bela	680.42	0	445.56	445.56	0	212.04	3.96
		Chengala							
		Pady							
10	41M9a	Pady	220.59	0	103.21	103.21	0	104.21	0
11	41M16a	Edanad	441.00	0	414.58	414.58	0	1.62	0
		Kadlu							
		Madhur							

12	41M17a	Kadlu	337.79	0	304.54	337.79	0	5.79	0
13	41M18a	Kadlu	443.74	0	376.76	443.74	0	1.69	0

Source of data: Land Use Board

* From column no. 2, total no. of microwatersheds, from column no. 3, total no. of villages, from column no. 4 to 9, totals, may be indicated for the project at the end of the table.

IV. AGRO-CLIMATIC CONDITION

Detail about soil types, land uses etc, are given as additional tables

Table – PPR 10: Details of Agro-climatic condition

1	2	3	4	5	6
No	Name of Watersheds	Name of Agro- climatic zone covers project area	Names of the villages	Topography	Average rainfall in mm
1	41M1a	Northern midland	Kadlu	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes	3374 mm
			Koipady		
2	41M2a	Northern midland	Koipady	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes	
			Edanad		
3	41M3a	Northern midland	Edanad	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes	
			Kadlu		
4	41M4a	Northern midland	Bela	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes	
			Madhur		
			Kadlu		
5	41M4d	Northern midland	Madhur	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes	
			Bela		

6	41M5a	Northern midland	Madhur	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes
7	41M6a	Northern midland	Chengala	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes
			Madhur	
8	41M7a	Northern midland	Madhur	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes
			Pady	
			Chengala	
			Bela	
9	41M8a	Northern midland	Chengala	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes
			Bela	
			Pady	
10	41M9a	Northern midland	Pady	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes
11	41M16a	Northern midland	Edanad	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes
			Kudlu	
			Madhur	
12	41M17a	Northern midland	Kadlu	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes
13	41M18a	Northern midland	Kadlu	Valleys less extensive, Hills with moderate gradients and top with egg shaped hump, steep slopes

Table – PPR 10 a: Details of soil types and major crops*									
1	2	3				4			
No	Name of Watersheds	Major Soil types				Major crops			
		K01	K10	K13	Total	Paddy	Coconut	Mixed Crop	Total
1	41M1a	87.15	505.1		592.65	10.28	61.66	337.62	409.56
2	41M2a		368.93		368.93	19.12	92.66	206.93	318.71
3	41M3a		271.20	12.42	283.62	16.99	66.28	189.59	272.86
4	41M4a		378.46	91.41	469.87	18.54	101.32	277.50	397.36
5	41M4d		175.7	100.34	276.04	28.69	45.74	175.95	250.38
6	41M5a		90.07	182.14	272.21	22.54	0.37	215.94	238.85
7	41M6a		183.14	245.60	428.75	22.58	0.64	268.05	291.27
8	41M7a		374.51	189.97	564.49	35.12	3.26	309.67	348.05
9	41M8a		320.63	359.80	680.42	13.29	11.98	420.29	445.56
10	41M9a		140.23	79.45	219.68	11.43	1.15	90.63	103.21
11	41M16a		24.25	416.74	441.00	108.61	107.28	198.69	414.58
12	41M17a		170.65	167.14	337.79	75.93	84.92	139.96	300.81
13	41M18a		432.01	11.73	443.74	47.27	176.92	138.57	362.76

Source of data: Land Use Board

* From column no. 5, total no. of villages, from column no. 6, total area, from column no. 9, total no. of crops and total cropped area, may be indicated for the project at the end of the table.

Table-PPR 11: Details of flood and drought in the project area*

1	2	3	4		5
Sl. No.	Particulars	Villages	Periodicity		Not affected
			Annual	Any other (please specify)	
1	Flood	No. of villages		4	
		Name(s) of villages		Edanad , Kudlu, Madhur, Koipady	
2	Drought	No. of villages		7	
		Name(s) of villages		Edanad , Kudlu, Madhur, Koipady, Bela, Chengala, Pady	

* From column nos. 4 & 5, total no. of villages, category wise, for the project may be given at the end of the table.

Table-PPR 12 : Details of soil erosion in the project area

1	2	3	4	5
Cause	Types of erosion	Area affected (ha)	Run off (mm/ year)	Average soil loss (Tones/ ha/year)
Water erosion				
a	Severe	0		
b	Moderate	5295.09		
c	Slight	87.15		
Sub Total		5382.24		
Wind erosion				
Total		5382.24		

V. DEMOGRAPHY AND LAND DISTRIBUTION

Growth in population during the last three census' , per capita availability of land, sex ratio, population age group in the project area, literacy level, migration, workforce available in different sectors of the economy, demography of SC, ST, BPL and landless families in the project area in the last ten years, etc.

No	Watershed name	Area (in Ha)	Total families	Population			BPL Families	Land holding/ Family (in Ha)
				Total	SC	ST		
1	41M1a	594.79	975	5763	330	3	650	0.68
2	41M2a	368.93	441	2599	163	1	294	0.84
3	41M3a	283.62	204	1224	84	0	136	1.39
4	41M4a	469.87	699	3909	248	39	466	0.67
5	41M4d	276.04	429	2399	147	25	286	0.64
6	41M5a	272.21	631	3510	176	0	421	0.43
7	41M6a	428.75	817	4633	224	0	545	0.52
8	41M7a	564.49	788	4694	243	0	526	0.72
9	41M8a	680.42	914	5581	255	0	609	0.74
10	41M9a	220.59	299	1832	75	0	199	0.74
11	41M16a	441.00	1136	6409	339	57	758	0.39
12	41M17a	337.79	783	4524	259	10	522	0.43
13	41M18a	443.74	1087	6317	367	6	725	0.41
Total		5382.24	9204	53394	2911	142	6135	

Growth in population during the last three census

No	Watershed name	1991	2001	2011
1	41M1a	5022	5496	5763
2	41M2a	2265	2479	2599
3	41M3a	1067	1167	1224
4	41M4a	3407	3728	3909
5	41M4d	2091	2288	2399
6	41M5a	3059	3347	3510
7	41M6a	4038	4418	4633
8	41M7a	4091	4476	4694
9	41M8a	4864	5322	5581
10	41M9a	1597	1747	1832
11	41M16a	5585	6112	6409
12	41M17a	3943	4314	4524
13	41M18a	5505	6024	6317
	Total	46531	50919	53394

VI. LIVELIHOODS

The existing scenario and the opportunities are described in the tables. One more word about capacity building activities. There is tremendous scope of these activities can be organized in the field level in a participatory manner. Of extreme importance is adaption to climate change. How an effective strategy can be developed is the very question of survival. Then comes the hands on exposure to modern agriculture practices, technologies and machines. Trainings should be imparted in such a manner that new social institutions can be created at grass root level to sustain these initiatives.

Table-PPR 13 Summary of livelihoods

No	Name of Watersheds	Existing livelihood activities	Possible livelihood interventions under the project	Current status of migration (no. of people)	Main reasons for migration
1	41M1a	Employment in construction sector, wage labour in semi skilled and unskilled activities, trading etc. are the major livelihood of the poor people now. Middle and upper class are employed in service sector, government and large private enterprises. Agriculture is not the soul income anymore. Agricultural labour is part of the employment of the poor. For the poor families another major chunk is the income from MNREGS. Lower income people also attempt animal husbandry with mixed results. More often the cash income from such activities is not sufficient due to a number of factors	Animal husbandry with strong forward and backward linkage and supporting infrastructure and initiatives at the homestead is the main possibility. high yield cows which can be milked in tandem, scientifically constructed cowshed and biogas tank, grass cultivation, training to the concerned, ensuring the availability of milking machines, soft finance, hand holding for the first few years, providing functional insurance etc, are essential for the success of the programme. Food processing at household level using locally available banana, jack fruit, mango etc. is another possibility. Rearing of backyard chicken, quail, rabbit etc. can b explored.	58	Lack of job opportunities in agriculture sector due to low productivity and poor income from land. This is inducing the farmer to fallow the land and search for better alternatives. As more and more people move to urban areas seeking employment, whatever rural economic activities remain gets weakened and faces a gradual demise. Only the people with ensured income or people who are unable to move remain in the villages.
2	41M2a			26	
3	41M3a			12	
4	41M4a			39	
5	41M4d			24	
6	41M5a			35	
7	41M6a			46	
8	41M7a			47	
9	41M8a			56	
10	41M9a			18	
11	41M16a			64	
12	41M17a			45	
13	41M18a			63	

VII. EXPECTED PROJECT OUTCOMES

VII. (i). Expected employment related outcomes:

Table-PPR 14: Employment generation

No	Watershed name	Wage employment										Self employment					
		No. of mandays in '00 s					No. of beneficiaries					No. of beneficiaries					
		SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	
1	41M1a	33	0	899	945	1878	33	0	899	945	1878	20	0	225	756	1001	2879
2	41M2a	16	0	407	424	848	16	0	407	424	848	10	0	102	339	451	1299
3	41M3a	8	0	194	197	400	8	0	194	197	400	5	0	49	158	211	611
4	41M4a	25	4	624	627	1280	25	4	624	627	1280	15	2	156	501	675	1955
5	41M4d	15	3	383	385	785	15	3	383	385	785	9	2	96	308	414	1199
6	41M5a	18	0	558	565	1141	18	0	558	565	1141	11	0	139	452	602	1743
7	41M6a	22	0	738	745	1505	22	0	738	745	1505	13	0	184	596	794	2299
8	41M7a	24	0	752	750	1526	24	0	752	750	1526	15	0	188	600	803	2329
9	41M8a	25	0	894	892	1811	25	0	894	892	1811	15	0	224	713	952	2763
10	41M9a	8	0	293	293	594	8	0	293	293	594	5	0	73	234	312	906
11	41M16a	34	6	1011	1040	2091	34	6	1011	1040	2091	20	3	253	832	1109	3200
12	41M17a	26	1	703	744	1475	26	1	703	744	1475	16	1	176	595	787	2262
13	41M18a	37	1	980	1042	2059	37	1	980	1042	2059	22	0	245	833	1101	3160
Total		291	14	8436	8650	17391	291	14	8436	8650	17391	175	8	2109	6920	9212	26603

* From column no. 2, total no. of villages, from column no. 3 & 4, category-wise totals may be given at the end of the table for the project.

Table-PPR 15: Details of migration from Project area

No	Names of the watersheds	No. of persons migrating	No. of days per year of migration	Major reasons for migrating	Expected reduction in no. of persons migrating
1	41M1a	58	5475	Lack of opportunities in the agriculture and allied sectors. Low productivity and poor income from land. Rural economic activities getting weakened. Weak infrastructure and support services to agriculture. Better livelihoods. Changing life syles	43
2	41M2a	26	2469		19
3	41M3a	12	1163		9
4	41M4a	39	3713		29
5	41M4d	24	2279		18
6	41M5a	35	3334		26
7	41M6a	46	4402		35
8	41M7a	47	4459		35
9	41M8a	56	5302		42
10	41M9a	18	1741		14
11	41M16a	64	6089		48
12	41M17a	45	4298		34
13	41M18a	63	6001		47
Total		534	25229		400

* From column no. 2, total no. of villages; from column no. 3, total no. of persons migrating; from column no. 4, average no. of days for annual migration; from column no. 6, total expected reduction on no. of persons migrating, for the project may be given at the end of the Table.

VII. (ii). Water related outcomes:

Table-PPR 16: Details of average ground water table depth in the project areas (in meters)

1	2	3	4	5	6
No	Names of the watersheds	Sources	Pre-Project level	Expected post-project level	Remarks
1	41M1a	Open wells	12 - 14	11 - 12	<p>This increase will substantially improve the drinking water availability, reduce the drudgery for fetching water . But substantial steps to improve water and irrigation efficiency through the application of modern and traditional technologies is essential.</p> <p>There must be simultaneous initiatives to reduce the contamination of surface water and ground water.</p>
		Bore wells	45	43	
		Others - Ponds	10	9	
2	41M2a	Open wells	12 - 14	11 - 12	
		Bore wells	45	43	
		Others - Ponds	10	9	
3	41M3a	Open wells	12 - 14	11 - 12	
		Bore wells	45	43	
		Others - Ponds	10	9	
4	41M4a	Open wells	12 - 14	11 - 12	
		Bore wells	45	43	
		Others - Ponds	10	9	
5	41M4d	Open wells	12 - 14	11 - 12	
		Bore wells	45	43	
		Others - Ponds	10	9	
6	41M5a	Open wells	12 - 14	11 - 12	
		Bore wells	45	43	
		Others - Ponds	10	9	
7	41M6a	Open wells	12 - 14	11 - 12	
		Bore wells	45	43	
		Others - Ponds	10	9	
8	41M7a	Open wells	12 - 14	11 - 12	
		Bore wells	45	43	
		Others - Ponds	10	9	

9	41M8a	Open wells	12 - 14	11 - 12
		Bore wells	45	43
		Others - Ponds	10	9
10	41M9a	Open wells	12 - 14	11 - 12
		Bore wells	45	43
		Others - Ponds	10	9
11	41M16a	Open wells	12 - 14	11 - 12
		Bore wells	45	43
		Others - Ponds	10	9
12	41M17a	Open wells	12 - 14	11 - 12
		Bore wells	45	43
		Others - Ponds	10	9
13	41M18a	Open wells	12 - 14	11 - 12
		Bore wells	45	43
		Others - Ponds	10	9

Source of data: Central Ground Water Board

Table-PPR 17: Status of Drinking water*

1	2	3		4		5
S. No.	Codes of the watersheds	Availability of drinking water (no. of months in a year)		Quality of drinking water		Comments
		Pre-project	Expected Post-project	Pre-project	Expected Post-project	
1	41M1a	8	10	Turbulence, hardness, high iron are the major issues observed.	Reduced concentration of total dissolved salts, less incidence of turbulence, better bacteriological quality etc. are the major expected post project benefits	The issues listed are culled from varies studies conducted in the area by other agencies. There is also a variation in quality issues during different seasons.
2	41M2a	8	10			
3	41M3a	8	10			
4	41M4a	8	10			
5	41M4d	8	10			
6	41M5a	8	10			
7	41M6a	8	10			
8	41M7a	8	10			
9	41M8a	8	10			
10	41M9a	8	10			
11	41M16a	8	10			
12	41M17a	8	10			
13	41M18a	8	10			

* from column no. 2, total no. of villages implementing the programme, from column no. 3, average no. of months may be given at the end of the table for the entire project.

VII. (iii). Crop related outcomes:

Table-PPR 18- Major crops grown and their productivity in the project area

1	2	3		4	
S. No.	Name of the Crop	Current status		Expected post project status	
		Area (ha)	Productivity (kg/ha)	Area (ha)	Productivity (kg/ha)
1	Paddy	430.39	2367	450	2500
2	Coconut	754.18	7441 nos./ha	800	7500 nos/ha

* From column no. 2, total no. of crops; from columns no. 3 & 4, total cropped area, average productivity, for the project may be given at the end of the Table.

VIII. MANDATORY CERTIFICATION

“It is certified that the State Government of Kerala will abide by the following mandatory conditions laid down by DoLR”

1	The area of the proposed projects are not covered under assured irrigation
2	The area of the proposed project is not covered or overlapping with any other watershed projects sanctioned by the central govt./ state govt./ autonomous bodies & others
3	The State must sign all the mandatory MoUs before implementing the project
4	The timeframes and milestones of the projects will be followed
5	The Budget requested for must follow the criteria laid down in the Common Guidelines, 2008
6	The State must release matching State Share within 15 days from release of each installment of central funds
7	Purchase of vehicles and other equipments are not permitted and nor is construction of buildings allowed. Only purchase of computers and related software is permitted
8	Savings, if any, in each component of the project cost can be utilized only for activities in the Watershed works
9	The DWDU will have one Member exclusively responsible for monitoring
10	All works will be evaluated after each phase of completion. Fund release will depend on favourable reports received from evaluators
11	Evaluators must include only institutions and agencies and not individuals
12	The State and DRDA cell will furnish monitoring reports and periodical reports as desired by DoLR
13	Composition of the WDT must be clearly spelt out and the team Members must be fully in place at the time of signing of the MoU of contract between the PIA and DRDA Cell
14	That DRDA shall release the funds to the PIAs and the watershed committees within 15 days of receipt of the funds
15	The Watershed Committee must be a registered society under the Societies Registration Act, 1860
16	At least one of the WDT Members must be a woman
17	The Gram Sabhas of the proposed project areas have passed resolutions for people’s contribution towards WDF
18	Resource-use agreements on the principles of equity and sustainability must be worked out among the User Groups prior to the concerned work being undertaken
19	The DPR must give detailed justification for the proposed project duration
20	No works on private lands will be repaired/ maintained from the WDF
21	The PIA will start project work within three months of the receipt of first installment by DWDU/agency or else it can come under the purview of foreclosure
22	The State will not undertake unnecessary foreclosure of the projects. In the event of foreclosure, the State will refund the amount and furnish all necessary documents as desired by DoLR. The State shall also take administrative and legal action against any defalcation, misappropriation, mis-utilization, deliberate negligence and laxity which has caused foreclosure of the project.

Date:

Signature of officer authorized by State Govt. *

NAME OF OFFICER (IN CAPITAL LETTERS)

DESIGNATION

*Letter of Authority from Secretary of the concerned Department, authorizing the concerned officer to sign the above undertaking, should be enclosed with PPR.

IX. STATUS OF ON-GOING PROJECTS (DPAP/ DDP/ IWDP)

Table- PPR 19: Details of pending UCs: Statewise*

1	2	3	4	5	6	7	8		9		10	11	
Sl. No.	District	Project	Instalment no.	Financial year of release of fund	Amount released (Rs. in lakh)	Amount utilized (Rs.in lakhs)	Submission of UC		Date of submission of UC		Reasons for not submitting / delayed submission of UC	Pending UCs	
							Due date	Amount (Rs. in lakhs)	Date	Amount (Rs. in lakhs)		Period	Amount (Rs. in lakhs)
1	Kasaragod	KGD 1	2				31-03-2010		29-07-2013	104.9	Audit report awaited		
2		KGD 2	2				31-03-2010		29-07-2013	104.9			

*From column No. 2, total no. of Districts, from column No. 3, total no. of projects, from column no. 6, total amount released, from column No. 7, total amount utilized, from column No. 8, total amount due, from column no. 9, total amount for which UCs submitted, from column No. 11, total amount of the pending UCs, may be mentioned at the end of the table for the entire State.

Table- PPR 20: Details of Unspent balance as on 31.03.2014: Districtwise*

1	2	3	4	5		6
S. No.	District	Name of the Project	Total cost (Rs. in lakh)	Total funds released (Rs. in lakh)		Unspent balance (Rs. in lakhs)
				DoLR	State	
1	Kasaragod	KGD 1	354	144.75	13.15	49.29
2		KGD 2	354	144.76	13.27	62.40

*From column No. 2, total no. of Districts, from column No. 3, total no. of projects, from column no.4 to 6, totals, may be mentioned at the end of the table for the entire State

X. ABSTRACT OF PROJECTS PROPOSED FOR SANCTION DURING FINANCIAL YEAR 2014-15

		Hilly/Desert	Others
1	Number of districts to be covered under the present proposal		
2	No. of Watersheds projects proposed to be taken up under IWMP		1
3	Total area to be covered under proposed projects (000' ha)		
	(a) Hilly & Desert areas [#]		
	(b) Others	5239.00	
	(c) Total	5239.00	
4	Total cost of the proposed Watershed projects (Rs. in lakhs)		
	(a) Hilly & Desert areas [#]		
	(b) Others	628.68	
	(c) Total	628.68	
5	First installment required from central funds for the proposed watershed projects	125.736	

[#] For details refer Appendix-I

Date of meeting of PPR sanctioning Committee :

Decision taken by the Committee :

Date of receipt of Annual Action Plan :

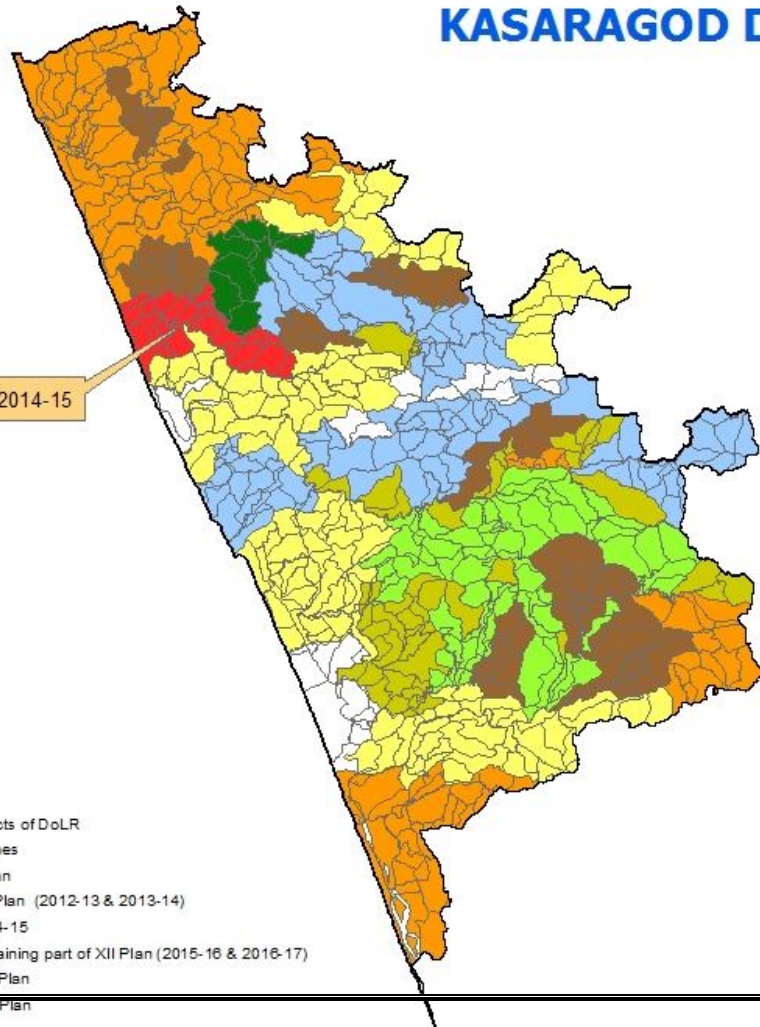
Brief details of Annual Action Plan :

Final approval of projects/area/costs/project period :

Amount released as first installment and date of release :

File No. :

PRELIMINARY PROJECT REPORT - PROPOSED AREA FOR 2014-15 KASARAGOD DISTRICT



Kasaragod-IWMP-VIII-2014-15

Legend

- Micro-watersheds covered under pre-IWMP projects of DoLR
- Micro-watersheds covered under other programmes
- Micro-watersheds covered under IWMP for XI Plan
- Micro-watersheds proposed under IWMP for XII Plan (2012-13 & 2013-14)
- Micro-watersheds proposed under IWMP for 2014-15
- Micro-watersheds proposed under IWMP for remaining part of XII Plan (2015-16 & 2016-17)
- Micro-watersheds proposed under IWMP for XIII Plan
- Micro-watersheds proposed under IWMP for XIV Plan
- Micro-watersheds not proposed for treatment

Prepared by
State Level Nodal Agency, Kerala



State Level Nodal Agency (SLNA)

Integrated Watershed Management Programme
Commissionerate of Rural Development
LMS Compound, Thiruvananthapuram

Phone: (O) 0471- 231 5762, 231 4526, 231 6095
Fax: 0471-2317214