:

Integrated Watershed Management Programme

Preliminary Project Report (PPR)

KANNUR

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

Preliminary Project Report

I. Institutional Structures.

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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**

PPR 3 Details of State Level Data Cell (SLDC) functionaries

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+Certi ficate in DTP	5 years		15000				
8		Programmer	Diploma/Certifi cate 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			
				Pre-IWMP projects (DPAP +DDP +IWDP)		Any other watershed project					
		No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)
1	**Kannur**	**640**	**296558**	**1**	**2920**	**69**	**68598**	**70**	**71518**	**307**	**130127**
	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 2012-13*

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	**Kannur**	**Kannur-IWMP-V-2013-14**	**13**	**4667**	**Hilly**	**700.05**	**7.5**	**3**	**0**	**10**	**2**	**0**	**15**	**5**	**10**	**10**	**10**	**0**	**15**	**87.5**

** 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 5	0	Hilly
3	Name of the District	Kannur		
4	Names of the Blocks	Irikkur		
		Thalipparamba		
5	Names of Grama Panchayats	Payyavoor		
		Padiyur		
		Sreekandapuram		
		Eruvessi		
		Naduvil		
6	Names & Census Code of Villages covered	Payyavoor	00013900	
		Sreekandapuram	00014500	
		Kalliyad	00014300	
		Eruvessi	00013800	
		Nediyenga	00013700	
		Naduvil	00012900	
7	Names & Codes of the micro-watersheds	Paisakkari- 1	32V16ae (Treated)	
		Paisakkari- 2	32V16af (Treated)	
		Koipra	32V16ag	
		Payyavoor	32V16ah	
		Kanjileri	32V16bd	
		Edari	32V16i	

		Parakkadavu	32V16j
		Eruvassy	32V16k
		Ambalathumchal	32V16m
		Chemberi	32V16u
		Nellikkutti	32V16v
		Moorikkadavu	32V16w
		Madakkal	32V16x
8	Four major reasons for selection of watershed	Low productivity of land	
		Heavy soil erosion & land degradation	
		Strong presence of SC/ ST, BPL families and marginal farmers	
		Poor adaptation to climate change	
9	Area of the Project (ha.)	5286.33	
10	Area proposed to be treated (ha.)	4667.00	
11	Project Cost (Rs. in Lakhs)	700.05	
12	Name and Address of proposed PIA	**Irikkur 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	2	3	4	5	6	7	8	9	
No	Name of Watersheds	Name of Villages	Geographical Area of the Watershed	Forest Area	Land under agricultural use	Rain fed area	Permanent pastures	Wasteland	
								Cultivable	Non-cultivable
1	32V16ae	Payyavoor	266.97	0.21	201.25	201.25	0	0	0
2	32V16af	Payyavoor	293.58	0	248.36	248.36	0	0	0
3	32V16ag	Payyavoor	223.34	0	164.86	164.86	0	53.54	0
4	32V16ah	Payyavoor	221.15	0	245.28	245.28	0	13.24	0
5	32V16bd	Sreekandapuram Kalliyad	587.92	0	175.21	175.21	0	381.73	27.83
6	32V16i	Sreekandapuram Eruvessi	389	0	227.56	227.56	0	118.33	0
7	32V16j	Sreekandapuram Eruvessi	242.35	0	41.67	41.67	0	153.26	0
8	32V16k	Eruvessi	339.46	0	68.23	68.23	0	259.48	0
9	32V16m	Nediyenga Naduvil Eruvessi	267.05	0	18.78	18.78	0	235.25	0
10	32V16u	Eruvessi	417.57	0	90.03	90.03	0	269.88	
11	32V16v	Payyavoor Eruvessi	1437.92	0	410.77	410.77	0	968.88	5.38
12	32V16w	Payyavoor Eruvessi	296.28	0	160.9	160.9	0	124.28	0
13	32V16x	Payyavoor	202.75	0	19.46	19.46	0	177.99	1.3

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

Table – PPR 10: Details of Agro-climatic condition*

1	2	3	5	7	8
Sl. No.	Name of the Watershed	Name of the Agro-climatic zone covers project area	Names of the villages	Topography#	Average rainfall in mm
1	32V16ae	Northern midland	Payyavoor	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	3374
2	32V16af	Northern midland	Payyavoor	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
3	32V16ag	Northern midland	Payyavoor	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
4	32V16ah	Northern midland	Payyavoor	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
5	32V16bd	Northern midland	Sreekandapuram Kalliyad	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
6	32V16i	Northern midland	Sreekandapuram Eruvessi	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
7	32V16j	Northern midland	Sreekandapuram Eruvessi	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
8	32V16k	Northern midland	Eruvessi	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
9	32V16m	Northern midland	Nediyenga Naduvil Eruvessi	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
10	32V16u	Northern midland	Eruvessi	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
11	32V16v	Northern midland	Payyavoor Eruvessi	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
12	32V16w	Northern midland	Payyavoor Eruvessi	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
13	32V16x	Northern midland	Payyavoor	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	

Table – PPR 10 a: Details of soil types and major crops

1	2	3						4					
No	Name of Watersheds	Major Soil types						Major crops					
		K10	K21	K22	K23	K24	Total	Paddy	Pepper	Mixed Crop	Coconut	Rubber	Total
1	32V16ae	0	185.61	0	0	81.27	266.97	0	0	36.37	0	26.76	63.13
2	32V16af	15.86	92.92	0	0	184.80	293.58	0	0	6.49	0	3.65	10.14
3	32V16ag	214.36	0	0	0	8.98	223.34	24.25	0	130.66	0	9.95	164.86
4	32V16ah	321.15	0	0	0	0	321.15	0	0.29	220.36	0	24.63	245.28
5	32V16bd	171.38	0	416.54	0	0	587.92	9.99	0	117.81	27.48	19.93	175.21
6	32V16i	389.99	0	0	0	0	389.99	1.91	9.82	103.33	3.75	108.75	227.56
7	32V16j	242.35	0	0	0	0	242.35	12.23	0	25.3	0	4.14	41.67
8	32V16k	339.46	0	0	0	0	339.46	0	0	37.55	0	30.68	68.23
9	32V16m	262.41	0	0	4.65	0	267.05	0	0	16.2	0	2.58	18.78
10	32V16u	417.57	0	0	0	0	417.57	0	0	46.26	0	43.77	90.03
11	32V16v	980.85	0	0	0	457.07	1437.92	0	0	267.2	0	143.57	410.77
12	32V16w	296.28	0	0	0		296.28	1.65	0	108.81	0	43.42	153.88
13	32V16x	71.40	0	0	0	131.35	202.75	0	0	17.39	0	2.07	19.46

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	-	1	
		Name(s) of villages	-	Sreekandapuram	
2	Drought	No. of villages	-	6	
		Name(s) of villages	-	Payyavoor, Sreekandapuram, Kalliyad, Eruvessi, Nediyenga, Naduvil	

* 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	Type of erosion	Area affected (ha)	Run off (mm/ year)	Average soil loss (Tonnes/ ha/ year)
Water erosion				
a	Severe			
b	Moderate	5281.6		
c	Slight	4.65		
Sub-Total		5286.25		
Wind erosion		0	NA	
Total		5286.25		

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	32V16ae	266.97	217	953	72	17	144	1.23
2	32V16af	293.58	249	1095	83	19	166	1.18
3	32V16ag	223.34	181	797	60	14	121	1.23
4	32V16ah	221.15	246	1083	82	19	164	0.90
5	32V16bd	587.92	526	2519	177	0	350	1.12
6	32V16i	389	374	1792	126	0	249	1.04
7	32V16j	242.35	230	1057	73	0	153	1.05
8	32V16k	339.46	262	1175	80	0	175	1.30
9	32V16m	267.05	193	888	61	0	129	1.38
10	32V16u	417.57	358	1609	109	0	239	1.17
11	32V16v	1437.92	1180	5287	363	9	786	1.22
12	32V16w	296.28	251	1111	80	0	167	1.18
13	32V16x	202.75	143	630	48	11	95	1.42
Total		**5185.34**	**4410**	**19997**	**1414**	**91**	**2939**	

Growth in population during the last three census

No	Watershed name	1981	1991	2001
1	32V16ae	762	871	953
2	32V16af	875	1001	1095
3	32V16ag	637	728	797
4	32V16ah	866	990	1083
5	32V16bd	2014	2302	2519
6	32V16i	1433	1638	1792
7	32V16j	845	966	1057
8	32V16k	939	1074	1175
9	32V16m	710	812	888

10	32V16u	1286	1470	1609
11	32V16v	4227	4832	5287
12	32V16w	888	1015	1111
13	32V16x	504	576	630
Total	0	15986	18275	19997

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	32V16ae	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.. Agricultural labour is part of the employment of the poor. For the poor families another major chunk is the income from MNREGS.	Animal husbandry with strong forward and backward linkage and supporting infrastructure and initiatives at the homestead is the main possibility.. 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.	10	Lack of job opportunities in agriculture sector due to low productivity and poor income from land.. 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	32V16af			11	
3	32V16ag			8	
4	32V16ah			11	
5	32V16bd			25	
6	32V16i			18	
7	32V16j			11	
8	32V16k			12	
9	32V16m			9	
10	32V16u			16	
11	32V16v			53	
12	32V16w			11	
13	32V16x			6	

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	32V16ae	7	2	153	152	314	7	2	153	152	314	4	1	38	122	165	479
2	32V16af	8	2	176	175	361	8	2	176	175	361	5	1	44	140	190	551
3	32V16ag	6	1	128	127	263	6	1	128	127	263	4	1	32	102	138	401
4	32V16ah	8	2	174	173	357	8	2	174	173	357	5	1	43	138	188	545
5	32V16bd	18	0	399	407	824	18	0	399	407	824	11	0	100	326	436	1260
6	32V16i	13	0	284	290	586	13	0	284	290	586	8	0	71	232	310	896
7	32V16j	7	0	169	170	345	7	0	169	170	345	4	0	42	136	182	527
8	32V16k	8	0	188	188	384	8	0	188	188	384	5	0	47	150	202	586
9	32V16m	6	0	142	142	290	6	0	142	142	290	4	0	35	114	153	443
10	32V16u	11	0	258	257	526	11	0	258	257	526	7	0	64	206	277	803
11	32V16v	36	1	847	845	1729	36	1	847	845	1729	22	1	212	676	910	2639
12	32V16w	8	0	178	177	364	8	0	178	177	364	5	0	45	142	191	555
13	32V16x	5	1	101	100	207	5	1	101	100	207	3	1	25	80	109	316
Total		**141**	**9**	**3196**	**3203**	**6549**	**141**	**9**	**3196**	**3203**	**6549**	**85**	**5**	**799**	**2562**	**3452**	**10001**

* 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	32V16ae	10	905	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	7
2	32V16af	11	1040		8
3	32V16ag	8	757		6
4	32V16ah	11	1029		8
5	32V16bd	25	2393		19
6	32V16i	18	1703		13
7	32V16j	11	1004		8
8	32V16k	12	1117		9
9	32V16m	9	844		7
10	32V16u	16	1528		12
11	32V16v	53	5023		40
12	32V16w	11	1056		8
13	32V16x	6	598		5
Total		**200**	**10571**		**150**

* 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	32V16ae	Open wells	7	5	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. There must be simultaneous initiatives to reduce the contamination of surface water and ground water.
		Bore wells	60	49	
		Others - Ponds	2	1	
2	32V16af	Open wells	9	7	
		Bore wells	75	73	
		Others - Ponds	3	2	
3	32V16ag	Open wells	2	1	
		Bore wells	87	81	
		Others - Ponds	0	0	
4	32V16ah	Open wells	6	5	
		Bore wells	55	53	
		Others - Ponds	4	3	
5	32V16bd	Open wells	7	6	
		Bore wells	70	65	
		Others - Ponds	5	4	
6	32V16i	Open wells	8	7	
		Bore wells	85	83	
		Others - Ponds	6	5	
7	32V16j	Open wells	9	7	
		Bore wells	110	103	
		Others - Ponds	7	6	
8	32V16k	Open wells	7	6	
		Bore wells	130	125	
		Others - Ponds	5	4	

9	32V16m	Open wells	7	6	
		Bore wells	120	115	
		Others - Ponds	5	4	
10	32V16u	Open wells	8	7	
		Bore wells	90	83	
		Others - Ponds	6	5	
11	32V16v	Open wells	9	7	
		Bore wells	105	100	
		Others - Ponds	7	6	
12	32V16w	Open wells	7	6	
		Bore wells	90	86	
		Others - Ponds	5	4	
13	32V16x	Open wells	8	6	
		Bore wells	60	55	
		Others - Ponds	3	2	

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	32V16ae	8	10	Turbulence, hardness, high iron are the major issues observed.	Reduced concentration of total dissolved salts, less incidence of turbulence, better bacteriological quality	The issues listed are culled from varies studies conducted in the area by other agencies. There is also a
2	32V16af	8	10			
3	32V16ag	8	10			
4	32V16ah	8	10			
5	32V16bd	8	10			

6	32V16i	8	10		etc. are the major expected post project benefits	variation in quality issues during different seasons
7	32V16j	8	10			
8	32V16k	8	10			
9	32V16m	8	10			
10	32V16u	8	10			
11	32V16v	8	10			
12	32V16w	8	10			
13	32V16x	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	50.03	2099	55	2200
2	Coconut	31.23	6878 nos./ ha	35	7000 nos./ha
3	Rubber	463.9	1365	480	1500

***** 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	Kannur	KNR 1					31-03-2010				Audit report awaited		
2		KNR 2					31-03-2010						

*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 31.07.2013: 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	Kannur	KNR 1	724	532.16		
2		KNR 2	444	402.16		

*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 2013-14

			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[#]	4667.00	
	(b)	Others		
	(c)	Total	4667.00	
4	Total cost of the proposed Watershed projects (Rs. in lakhs)			
	(a)	Hilly & Desert areas[#]	700.05	
	(b)	Others		
	(c)	Total	700.05	
5	First installment required from central funds for the proposed watershed projects		140.01	

[#] *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.	: