

# **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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  - b. District Level Watershed Units
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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 <sup>#</sup>	Date of Notification	Date of MoU with DoLR	Total no. of members of SLNA
	Kerala	Mission	14 June 2010		Twenty five

<sup>#</sup>Whether it is a Department/ Mission/ Society/ Authority/ Others (pl. specify)

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

7		8					
Chairperson		CEO					
Name	Designation <sup>#</sup>	Name	Designation	Date of Appointment	Nature of appointment <sup>§</sup>	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						

<sup>#</sup> APC/ ACS/ Dev. Commissioner/ Others (pl. specify) <sup>§</sup> 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	
							<b>4140000</b>	<b>3000000</b>	<b>4140000</b>	<b>3000000</b>

**PPR 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	
		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							
S. No.	Names of District	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)	No.	Area (ha.)
<b>1</b>	<b>Kannur</b>	<b>640</b>	<b>296558</b>	<b>1</b>	<b>2920</b>	<b>69</b>	<b>68598</b>	<b>70</b>	<b>71518</b>	<b>307</b>	<b>130127</b>
	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													
							Weightage under the criteria#													
							1	2	3	4	5	6	7	8	9	10	11	12	13	Total
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)														
<b>1</b>	<b>Kannur</b>	<b>Kannur-IWMP-VI-2014-15</b>	<b>10</b>	<b>4787</b>	<b>Hilly</b>	<b>718.05</b>	<b>7.5</b>	<b>3</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>15</b>	<b>5</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>15</b>	<b>92.5</b>

\* 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 <sup>#</sup> (Hilly/ Desert/ Others) of the project	IWMP 6	0	Hilly
3	Name of the District	Kannur		
4	Names of the Blocks	Thalipparambu		
		Irikkur		
5	Names of Grama Panchayats	Alakkodu		
		Naduvil		
		Udayagiri		
		Eruvassi		
6	Names & Census Code of Villages covered	Vallad	627191	
		Alakkod	627190	
		Naduvil	627192	
		Eruvassi	627199	
7	Names & Codes of the micro-watersheds	Kokkamullu thodu	32V16p	
		Thayalpulla thodu	32V16q	
		Cheekadu	33K21e	
		Moorikadav	33K21f	
		Alakode1	33K27d	
		Othathai	33K27e	
		Alakode 2	33K27f	
		Pathanpara	33K27k	
		Vellad	33K27l	

		Anakuzhi	33K27n
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.)	5347.95	
10	Area proposed to be treated (ha.)	4787.00	
11	Project Cost (Rs. in Lakhs)	718.05	
12	Name and Address of proposed PIA	<b>Thaliparambu Block Panchayat</b>	
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	32V16p	Eruvassi, Naduvil	237.41		237.41	237.41	-			
2	32V16q	Vellad	949.42		828.19	949.42	-	110.24	10.99	
3	33K21e	Vellad	487.44	353.51	133.93	487.44	-			
4	33K21f	Vellad	503.11		503.11	503.11	-			
5	33K27d	Alakkod, Vellad	278.29	171.46	106.83	278.29	-			
6	33K27e	Vellad	1171.65	92.51	977.95	1171.65	-	68.07	33.12	
7	33K27f	Naduvil, Vellad	203.92		203.92	203.92	-			
8	33K27k	Naduvil, Vellad	648.37		373.1	648.37	-	260.72	14.55	
9	33K27l	Naduvil, Vellad	172.39		172.39	172.39	-			
10	33K27n	Naduvil	135.26		135.26	135.26	-			
	<b>Total</b>		<b>4787.26</b>	<b>617.48</b>	<b>3672.09</b>	<b>4787.26</b>	<b>0</b>	<b>439.03</b>	<b>58.66</b>	

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	32V16p	Northern midland	Eruvassi, Naduvil	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	3374
2	32V16q	Northern midland	Vellad	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
3	33K21e	Northern midland	Vellad	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
4	33K21f	Northern midland	Vellad	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
5	33K27d	Northern midland	Alakkod, Vellad	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
6	33K27e	Northern midland	Vellad	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
7	33K27f	Northern midland	Naduvil, Vellad	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
8	33K27k	Northern midland	Naduvil, Vellad	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
9	33K27l	Northern midland	Naduvil, Vellad	Valleys less extensive, Hills with moderate gradient, Top with egg shaped hump	
10	33K27n	Northern midland	Naduvil	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	K20	K21	K24	Total	Pepper	Mixed Crop	Rubber	Forest	Total
1	32V16p	53.89	182.86			236.75		148.66	88.74		237.4
2	32V16q		948.49			948.49		262.7	550.64		813.34
3	33K21e		410.89		54.6	465.49		95.37	11.95	353.51	460.83
4	33K21f				499.04	499.04	55.29	319.82	128		503.11
5	33K27d				278.29	278.29			105.59	171.46	277.05
6	33K27e		52.38	476.98	641.5	1170.86	256.39	300.7	414.2	92.51	1063.8
7	33K27f			110.23	93.7	203.93			199.64		199.64
8	33K27k			648.37		648.37		37.64	335.45		373.09
9	33K27l			172.39		172.39			157.11		157.11
10	33K27n			135.26		135.26			130.94		130.94
	<b>Total</b>	<b>53.89</b>	<b>1594.62</b>	<b>1543.23</b>	<b>1567.13</b>	<b>4758.87</b>	<b>311.68</b>	<b>1164.89</b>	<b>2122.26</b>	<b>617.48</b>	<b>4216.31</b>

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 Sl. No.	2 Particulars	3 Villages	4		5 Not affected
			Periodicity		
			Annual	Any other (please specify)	
1	Flood	No. of villages	-		
		Name(s) of villages	-		
2	Drought	No. of villages	-	4	
		Name(s) of villages	-	Vallad, Alakkod, Naduvil, Eruvassi	

\* 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	497.69		
b	Moderate	4289.57		
c	Slight			
Sub-Total		4787.26		
Wind erosion			NA	
<b>Total</b>		4787.26		

### 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	32V16p	237.41	229	943	12	66	149	1.23
2	32V16q	949.42	895	3710	31	372	582	1.18
3	33K21e	487.44	432	1767	32	129	281	1.23
4	33K21f	503.11	404	1652	20	147	263	0.90
5	33K27d	278.29	274	1116	27	65	178	1.12
6	33K27e	1171.65	1130	4615	105	284	735	1.04
7	33K27f	203.92	200	818	20	47	130	1.05
8	33K27k	648.37	623	2564	40	207	405	1.30
9	33K27l	172.39	162	673	5	68	105	1.38
10	33K27n	135.26	127	528	4	53	83	1.17
	<b>Total</b>	<b>4787.26</b>	<b>4476</b>	<b>18386</b>	<b>296</b>	<b>1438</b>	<b>2909</b>	

Growth in population during the last three census

No	Watershed name	1991	2001	2011
1	32V16p	822	899	943
2	32V16q	3233	3538	3710
3	33K21e	1540	1685	1767
4	33K21f	1440	1575	1652
5	33K27d	973	1064	1116
6	33K27e	4022	4401	4615
7	33K27f	713	780	818
8	33K27k	2234	2445	2564
9	33K27l	587	642	673
10	33K27n	460	504	528
	<b>Total</b>	<b>16023</b>	<b>17534</b>	<b>18386</b>



## 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	32V16p	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 be explored.	38	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	32V16q			148	
3	33K21e			71	
4	33K21f			66	
5	33K27d			45	
6	33K27e			185	
7	33K27f			33	
8	33K27k			103	
9	33K27l			27	
10	33K27n			21	

**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	32V16p	7	40	149	157	352	7	40	149	157	352	4	24	23	48	99	451
2	32V16q	19	223	581	624	1447	19	223	581	624	1447	11	134	145	499	790	2237
3	33K21e	19	77	279	295	671	19	77	279	295	671	12	46	70	236	364	1035
4	33K21f	8	88	261	276	633	8	88	261	276	633	5	53	65	220	343	976
5	33K27d	11	39	176	187	413	11	39	176	187	413	6	23	44	149	223	636
6	33K27e	42	170	727	773	1712	42	170	727	773	1712	25	102	182	618	927	2640
7	33K27f	8	28	129	137	302	8	28	129	137	302	5	17	32	110	163	465
8	33K27k	16	124	403	431	974	16	124	403	431	974	10	75	101	345	529	1503
9	33K27l	2	41	105	113	261	2	41	105	113	261	1	24	26	91	143	404
10	33K27n	2	32	83	89	205	2	32	83	89	205	1	19	21	71	112	317
	<b>Total</b>	<b>132</b>	<b>862</b>	<b>2893</b>	<b>3082</b>	<b>6970</b>	<b>132</b>	<b>862</b>	<b>2893</b>	<b>3082</b>	<b>6970</b>	<b>79</b>	<b>517</b>	<b>709</b>	<b>2387</b>	<b>3693</b>	<b>10663</b>

\* 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	32V16p	38	3961	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 styles	32
2	32V16q	148	15582		126
3	33K21e	71	7421		60
4	33K21f	66	6938		56
5	33K27d	45	4687		38
6	33K27e	185	19383		157
7	33K27f	33	3436		28
8	33K27k	103	10769		87
9	33K27l	27	2827		23
10	33K27n	21	2218		18
<b>Total</b>		<b>735</b>	<b>77221</b>		<b>625</b>

\* 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	32V16p	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	32V16q	Open wells	9	7	
		Bore wells	75	73	
		Others - Ponds	3	2	
3	33K21e	Open wells	2	1	
		Bore wells	87	81	
		Others - Ponds	0	0	
4	33K21f	Open wells	6	5	
		Bore wells	55	53	
		Others - Ponds	4	3	
5	33K27d	Open wells	7	6	
		Bore wells	70	65	
		Others - Ponds	5	4	
6	33K27e	Open wells	8	7	
		Bore wells	85	83	
		Others - Ponds	6	5	
7	33K27f	Open wells	9	7	
		Bore wells	110	103	
		Others - Ponds	7	6	
8	33K27k	Open wells	7	6	
		Bore wells	130	125	
		Others - Ponds	5	4	

9	33K27l	Open wells	7	6
		Bore wells	120	115
		Others - Ponds	5	4
10	33K27n	Open wells	8	7
		Bore wells	90	83
		Others - Ponds	6	5

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	32V16p	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	32V16q	8	10			
3	33K21e	8	10			
4	33K21f	8	10			
5	33K27d	8	10			
6	33K27e	8	10			
7	33K27f	8	10			
8	33K27k	8	10			
9	33K27l	8	10			
10	33K27n	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	Pepper	311.68	300	350	350
2	Coconut	1100	6878 nos./ ha	1200	7000 nos./ha
3	Rubber	2122.68	1365	2500	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 31.03.2014: 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	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 2014-15**

		<b>Hilly/Desert</b>	<b>Others</b>
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 <sup>#</sup>	4787.00	
	(b) Others		
	(c) Total	4787.00	
4	Total cost of the proposed Watershed projects (Rs. in lakhs)		
	(a) Hilly & Desert areas <sup>#</sup>	718.05	
	(b) Others		
	(c) Total	718.05	
5	First installment required from central funds for the proposed watershed projects	143.61	

<sup>#</sup> For details refer Appendix-I

Date of meeting of PPR sanctioning Committee :

Decision taken by the Committee :

Date of receipt of Annual Action Plan :

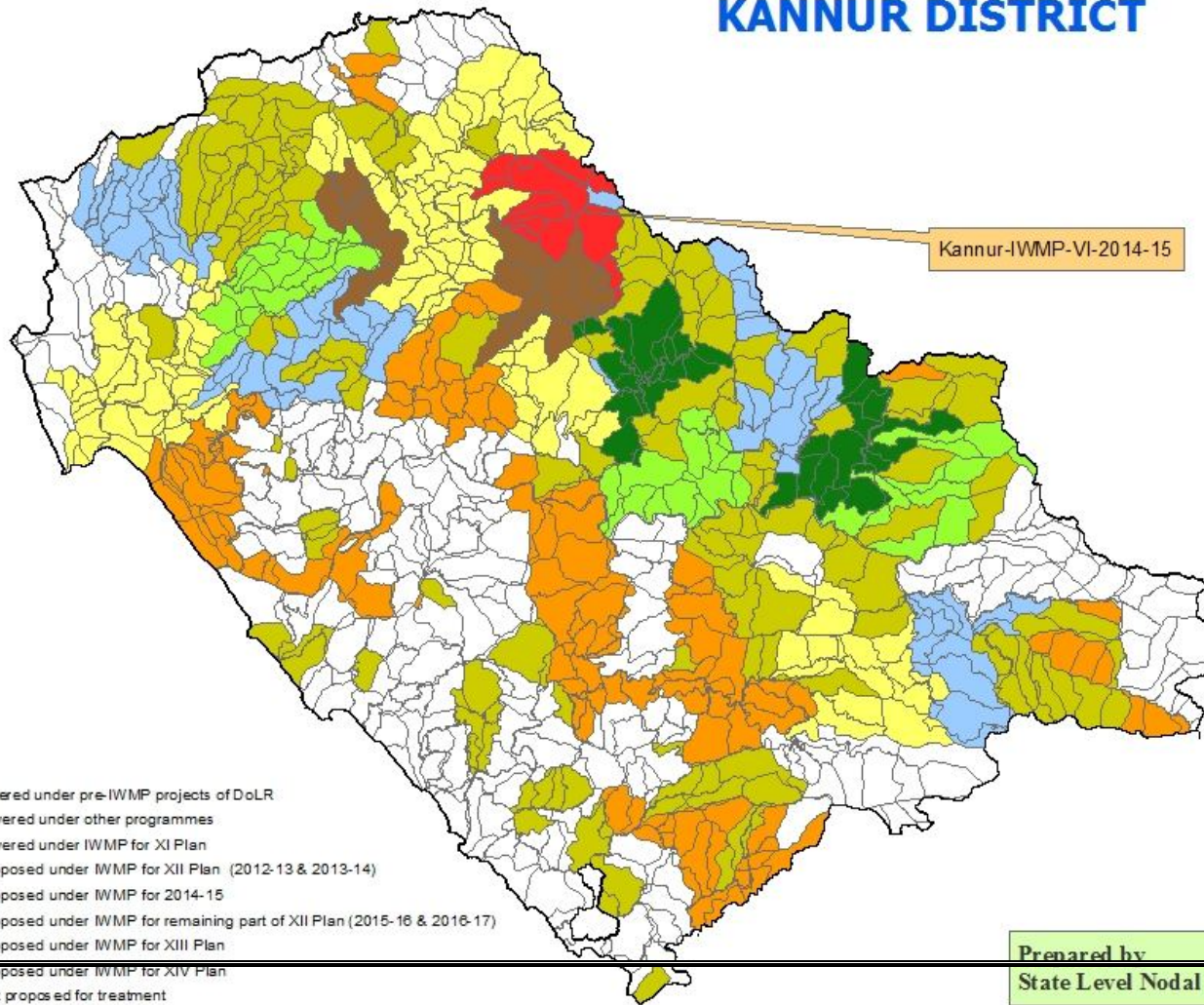
Brief details of Annual Action Plan :

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 KANNUR DISTRICT



## 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 WMP for XII Plan (2012-13 & 2013-14)
- Micro-watersheds proposed under IWMP for 2014-15
- Micro-watersheds proposed under WMP for remaining part of XII Plan (2015-16 & 2016-17)
- Micro-watersheds proposed under WMP for XIII Plan
- Micro-watersheds proposed under WMP for XIV Plan
- Micro-watersheds not proposed for treatment

Prepared by  
State Level Nodal Agency, Kerala