# **Integrated Watershed Management Programme**

**Preliminary Project Report (PPR)** 

# **MALAPPURAM**

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

<sup>\*</sup>Whether it is a Department/ Mission/ Society/ Authority/ Others (pl. specify) **Table-PPR 1: Details of SLNA (Contd..)** 

	7				8						
Chair	Chairperson		CEO								
Name	Designation <sup>#</sup>	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	(									

<sup>#</sup> 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
SI. No	Total no of Persons working in the SLNA of IWMP	Name & Designation	Qualification	Experience	Work Allocation	Monthly remuneration	Total budge	et of SLNA	from DoLR	
							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

1	2	3	4	5	6	7	3	3	9	
No	Total no. of persons working in the SLDC	Names & Designation	Qualification	Experience	Work allocation	Monthly remuneration (Rs.)			Funding expected from DoLR (Rs.)	
	for IWMP						R	NR	R	NR
1		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	N in e	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				

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				
2	Kollam	-			
3	Pathanamthitta	-			
4	Alapuzha	-			
5	Kottayam	-			_
6	Idukki	-			
7	Ernakulam	Respective District	President, Respective		Three each in all districts, 52 persons in
8	Thrissur	Panchayats	District Panchayat		the State
9	Palakkad	1			
10	Malappuram	1			
11	Kozhikkode	1			
12	Wayaand	1			
13	Kannur	1			
14	Kasaragpd	1			

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

	7	8	9	10	11	1	12	1	3		
No	Names & Designation	Qualification	Experience	Work allocation	Monthly remuneration (Rs.)	Total budget of Watershed Cell (Rs.)		Watershed Cell (Rs.)		Funding ( fro DoLR	om .
						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				5				
					Micro-\	vatershe	ds covered so	far			
		Total mi		Dept. of Land		Other Ministries/				Net watersheds	
S.	Names of District	watersh	eds in the	R	esources	l	Depts.	Total w	atersheds		
No.		District		Pre-IWMP projects (DPAP +DDP +IWDP)		Any other watershed project		CO/	vered	to be covered	
INO.											
		No.	Area		Area (ha.)	No.	Area (ha.)	No.	Area	No.	Area
		NO.	(ha.)	No.	Arca (ria.)	NO.	Arca (ria.)	NO.	(ha.)	NO.	(ha.)
1	Malappuram	474	355448	2	0	104	88113	106	88113	229	164350
	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						
			No. of		Type of						Wei	ghta	age ι	ınde	er the	e crit	eria#	<u> </u>		
SI.		Name of the	micro	Propose	project	Proposed														
No.	District	nroject	watersheds			cost (Rs.	1	2	2	1	5	6	7	8	9	10	11	12	13	Total
INO.		project	proposed to			•	'		3	4	5	U	,	O	7	10	'''	12	13	Total
			be covered		Others)															
1	Malappuram	Malappuram- IWMP-VIII-	10	4199	Hilly	629.85	7.5	3	0	10	2	0	15	5	10	10	10	0	15	87.5
		2014-15																		

<sup>\*</sup> 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 microwatersheds 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

SI.	Criteria	Maximum		Ranges & scores		
No.	Poverty index (% of poor to	score 10	Above 80 % (10)	80 to 50 % (7.5)	50 to 20 % (5)	Below 20 % (2.5)
	population)		, ,	, ,	. ,	,
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)	
Х	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)	
хi	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 microwatersheds 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 (WANDOOR)

Table -PPR 7: Project at a Glance

	r k 7. r roject at a Glarice				
1	Name of the State	Kerala			
2	Name & type# (Hilly/ Desert/ Others) of the project	IWMP 8	0	Hilly	
3	Name of the District	Malappuram	<u>'</u>		
4	Names of the Blocks	Kondotty, Areecode			
		Cherukavu			
		Pulikkal			
5	Names of Grama Panchayats	Vazhakkad			
		Vazhayoor			
		Cheekod			
		Vazhakkad	627444	ļ	
		Pulikkal	627445	)	
6	Names & Census Code of Villages covered	Cherukavu	627467	1	
		Vazhayoor	627466	)	
		Cheekod	627482	)	
		Vazhakkad	24C70a	3	
		Virippadam	24C71a	3	
		Olavattur	24C72k	)	
7	Names & Codes of the micro-watersheds	Puthenkadavu	24C73a	3	
,	Names & codes of the filtro-watersheds	Manakadavu	24C74a	a1	
		Peringavu	24C74a	a2	
		Azhinilam	24C75a	3	
		Pengad 24C78b			
8	Four major reasons for selection of watershed	Heavy soil erosion & lan	d 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.)	5021.86
10	Area proposed to be treated (ha.)	4199.00
11	Project Cost (Rs. in Lakhs)	629.85
12	Name and Address of proposed PIA	Kondotty 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
			Geographical		Land			Wast	eland
S. No.	Code of watersheds	Names of villages	Area of the Watersheds	Forest Area	under agricultu ral use	Rainfed area	Permanent pastures	Cultivable	Non- cultivable
1	24C70a	Vazhakkad	514.32	-	514.32	514.32	-	20.81	-
2	24C71a	Vazhakkad	450.92	-	450.92	450.92	-	41.79	-
3	24C72b	Pulikkal, Cheekod	604.95	-	604.95	604.95	-	31.64	-
4	24C73a	Vazhayoor	572.77	-	572.77	572.77	-	42.88	-
5	24C74a1	Vazhayoor	612.20	-	612.20	612.20	-	89.80	-
6	24C74a2	Cherukavu, Vazhayoor	434.53	-	434.53	434.53	-	137.82	13.73
7	24C75a	Vazhayoor	527.77	-	527.77	527.77	-	15.44	-
8	24C78b	Cherukavu, Vazhayoor	481.73	-	481.73	481.73	-	35.12	-
	Total		4199.19	0	4199.19	4199.19	0	415.3	13.73

Source of data: Land Use Board

<sup>\*</sup> 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

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

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

1	2	3	5	7	8
SI.	Name of the	Name of the Agro-ecological	Names of the villages	Topography#	Average rainfall
No.	Watershed	zone covers project area			in mm
1	24C70a	Malappuram type	Vazhakkad	Valleys less extensive, Hills with table	
				tops, Steep slopes	
2	24C71a	Malappuram type	Vazhakkad	Valleys less extensive, Hills with table	
	240/1d	iviaiappurain type	Vazilannau	tops, Steep slopes	
3	24C72b	Malappuram type	Pulikkal, Cheekod	Valleys less extensive, Hills with table	
	24C72b Iviaiappuram type		i diikkai, cheekod	tops, Steep slopes	
4	1 24C73a Malappuram type		Vazhayoor	Valleys less extensive, Hills with table	
4	24073a	Malappuram type	vaznayoor	tops, Steep slopes	2850 mm
5	24C74a1	Malappuram type	Vazhayoor	Valleys less extensive, Hills with table	2030 111111
3	240/441	iviaiappuraiti type	vaznayoor	tops, Steep slopes	
6	24C74a2	Malannuram typa	Cherukavu, Vazhayoor	Valleys less extensive, Hills with table	
0	240/402	Malappuram type	Cherukavu, Vaznayooi	tops, Steep slopes	
7	24C75a	Malappuram type	Vazhayoor	Valleys less extensive, Hills with table	
'	240/Ja	iviaiappuraiii type	v azī ia yooi	tops, Steep slopes	
8	24C78b	Malannuram type	Chorukayu Vazbayoor	Valleys less extensive, Hills with table	
0	240/00	Malappuram type	Cherukavu, Vazhayoor	tops, Steep slopes	

<sup>\*</sup> 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.

<sup>#</sup> Flat, undulating, moderate slope, Steep slope

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

1	2		6				9		
SI.	Code of the watershed	Major soil types			Major crops				
No.	Code of the watershed	K05	K09	Total	Arecanut	Paddy	Coconut	Mixed	Total
1	24C70a	126.96	387.35	514.31	3.5	92.23		355.33	451.06
2	24C71a	139.08	310.2	449.28	96.48	12.89	123.29	174.65	407.31
3	24C72b		604.05	604.05	41.41		25.93	377.41	444.75
4	24C73a	130.45	433.33	563.78	19.16	82.57	89.64	338.52	529.89
5	24C74a1	94.92	516.4	611.32	74.36	60.08	260.19	127.77	522.4
6	24C74a2		434.52	434.52	15.8	29.49	18.2	219.48	282.97
7	24C75a	28.91	493.45	522.36	125.74	36.28	234.24	91.61	487.87
8	24C78b	35.59	445.76	481.35		149.76	216.06	75.24	441.06
	Total	555.91	3625.06	4180.97	376.45	463.3	967.55	1760.01	3567.31

Source of data: Land Use Board

<sup>\*</sup>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		5	
SI. No.	Particulars	Villages	Annual	Any other (please specify)	Not affected
1	Flood	No. of villages	-	2	
		Name(s) of villages	-	Vazhayoor, Vazhakkad	-
2	Drought	No. of villages	-	5	
		Name(s) of villages	-	Pulikkal, Cheekod, Cherukavu, Vazhayoor, Vazhakkad	-

<sup>\*</sup> 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	l			
а	Severe			
b	Moderate	4180.91	1	
С	Slight			
Sub-Total		4180.91		
Wind erosion			NA	
Total		4180.91		

#### 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		Population		BPL Families	Land holding/ Family
140	vator stroat harrio		families	Total	SC	ST	Families	(in Ha)
1	24C70a	514.32	1259	6058	633	19	755	0.65
2	24C71a	450.92	1799	8658	905	27	1079	0.12
3	24C72b	604.95	1387	7259	645	17	832	0.78
4	24C73a	572.77	2217	10376	1265	34	1330	0.71
5	24C74a1	612.20	2377	11183	1327	35	1426	0.90
6	24C74a2	434.53	1730	8516	767	10	1038	0.78
7	24C75a	527.77	2061	9874	1055	23	1237	0.71
8	24C78b	481.73	1924	9463	852	11	1154	0.90
	Total		14754	71387	7449	176	8852	

Growth in population during the last three census

No	Watershed name	1981	1991	2001
1	24C70a	5279	5777	6058
2	24C71a	7545	8257	8658
3	24C72b	6326	6923	7259
4	24C73a	9042	9895	10376
5	24C74a1	9746	10665	11183
6	24C74a2	7421	8121	8516
7	24C75a	8605	9416	9874
8	24C78b	8247	9024	9463
	Total	62212	68078	71387

#### **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** 

	ible-PPR 13 Summ	ary or inventioous			
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	24C70a	Employment in construction sector, wage labour in semi		121	Lack of job opportunities in agriculture sector due to low
2	24C71a	skilled and unskilled activities,	Animal husbandry with strong forward and backward linkage	173	productivity and poor income
3	24C72b	trading etc. are the major livelihood of the poor people	and supporting infrastructure	145	from land As more and more people move to urban areas
4	24C73a	now. Middle and upper class	and initiatives at the homestead is the main possibility Food	208	seeking employment,
5	24C74a1	are employed in service sector, government and large	processing at household level using locally available banana,	224	whatever rural economic activities remain gets
6	24C74a2	private enterprises  Agricultural labour is part of	jack fruit, mango etc. is another possibility. Rearing of backyard	170	weakened and faces a gradual demise. Only the people with
7	24C75a	the employment of the poor.  For the poor families another	chicken, quail, rabbit etc. can b explored.	197	ensured income or people who are unable to move
8	24C78b	major chunk is the income from MNREGS.		189	remain in the villages.

## VII. EXPECTED PROJECT OUTCOMES

# VII. (i). Expected employment related outcomes: Table-PPR 14: Employment generation

					\	Nage em	ployme	nt					Ç	Self emplo	oyment		
No	Watershed name		No. of mandays in '00 s			No. of beneficiaries			No. of beneficiaries								
	Tidine -	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	
1	24C70a	380	11	936	1033	2361	380	11	936	1033	2361	228	7	146	313	694	3055
2	24C71a	333	10	821	906	2070	333	10	821	906	2070	200	6	205	725	1136	3206
3	24C72b	387	10	1138	1221	2757	387	10	1138	1221	2757	232	6	285	977	1500	4257
4	24C73a	505	20	1631	1735	3892	505	20	1631	1735	3892	303	12	408	1388	2111	6003
5	24C74a1	530	21	1758	1871	4180	530	21	1758	1871	4180	318	13	440	1497	2267	6447
6	24C74a2	306	6	1335	1429	3076	306	6	1335	1429	3076	184	4	334	1143	1664	4741
7	24C75a	424	14	1560	1665	3663	424	14	1560	1665	3663	254	8	390	1332	1985	5648
8	24C78b	341	7	1486	1591	3424	341	7	1486	1591	3424	204	4	371	1272	1852	5276
	Total	3206	100	10666	11451	25422	3206	100	10666	11451	25422	1923	60	2579	8647	13209	38632

<sup>\*</sup> 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	No. of persons migrating	No. of days per	Major reasons for migrating	Expected reduction in
NO	watersheds	No. or persons migrating	year of migration	iviajor reasons for migrating	no. of persons migrating
1	24C70a	121	13328		103
2	24C71a	173	19048	Lack of opportunities in the	147
3	24C72b	145	15970	agriculture and allied sectors.	123
4	24C73a	208	22827	Low productivity and poor income from land. Rural	176
5	24C74a1	224	24603	economic activities getting	190
6	24C74a2	170	18735	weakened. Weak infrastructure	145
7	24C75a	197	21723	and support services to agriculture. Better livelihoods.	168
8	24C78b	189	20819	Changing life syles	161
	Total	1428	157051		1214

<sup>\*</sup> 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
		Open wells	8.2	7	
1	24C70a	Bore wells	50	48	
		Others – Ponds	6	5	
		Open wells	12	10	
2	24C71a	Bore wells	55	53	This is some a south
		Others - Ponds	10	9	This increase will
		Open wells	5 - 10	7	substantially improve the drinking water availability,
3	24C72b	Bore wells	55	53	reduce the drudgery for
		Others - Ponds	4	3	fetching water . But
		Open wells	7.5 - 9	8	substantial steps to
4	24C73a	Bore wells	50	48	improve water and
		Others - Ponds	6	5	irrigation efficiency
		Open wells	1.4 - 12.3	2	through the application of
5	24C74a1	Bore wells	55	54	modern and traditional
		Others - Ponds	2	1	technologies is essential.
		Open wells	5 - 10	7	There must be
6	24C74a2	Bore wells	55	53	simultaneous initiatives to
		Others - Ponds	4	3	reduce the contamination of surface water and
		Open wells	12	10	ground water.
7	24C75a	Bore wells	55	53	ground water.
		Others - Ponds	10	9	
		Open wells	1.4 - 12.3	2	1
8	24C78b	Bore wells	55	54	
		Others - Ponds	2	1	7

Source of data: Central Ground water Board

Table-PPR 17: Status of Drinking water\*

iabie-PPR	ble-PPR 17: Status of Drinking water*											
1	2		3		4	5						
S. No.	Codes of the watersheds		f drinking water nths in a year)	Quality of d	rinking water	Comments						
3. 110.		Pre-project	Expected Post- project	Pre-project	Expected Post-project							
1	24C70a	8	9									
2	24C71a	9	10	Turbulence, hardness,	Reduced							
3	24C72b	8	9		concentration of total dissolved salts, less incidence of turbulence, better	The issues listed are culled from varies studies						
4	24C73a	9	10	high iron are the major issues		conducted in the area by other						
5	24C74a1	8	9	observed.	bacteriological quality etc. are the major	agencies. There is also a variation in quality issues						
6	24C74a2	8	9		expected post project	during different seasons						
7	24C75a	9	10		benefits							
8	24C78b	8	9									

<sup>\*</sup> 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.		Current	status	<b>Expected post project status</b>			
No.	Name of the Crop	Area (ha)	Productivity (kg/ ha)	Area (ha)	Productivity (kg/ ha)		
1	Paddy	463.30	2354	480	2500		
2	Arecanut	376.45	881	400	1000		
3	Coconut	1267.00	4800 nuts/ha	1350	5400 nuts/ha		

<sup>\*</sup> 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"

	- "	"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	1	11
SI.	District	Project	Instal ment	Financial year of	Amount released	Amoun t utilized	Submission of UC		Date of submission of UC		Reasons for not submitting	Pending UCs	
No.	District	rioject	no.	release of fund	(Rs. in lakh)	(Rs.in lakhs)	Due date	Amoun t (Rs. in lakhs)	Date	Amount (Rs. in lakhs)	/ delayed submission of UC	Period	Amount (Rs. in Iakhs)
1	Malappu ram	MPM 1											
		MPM 2											

<sup>\*</sup>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)
		Project		DoLR	State	(KS. III IdKIIS)
1	Malappuram	MPM 1	300	201.55	18.75	2.49
		MPM 2	300	122.55	11.14	36.26

<sup>\*</sup>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

2	No. of Watersheds projects proposed to be taken up under IWMP	Hilly/Desert Others
3	Total area to be covered under proposed projects (000' ha)	
	(a) Hilly & Desert areas#	4199.00
	(b) Others	
	(c) Total	4199.00
4	Total cost of the proposed Watershed projects (Rs. in lakhs)	
	(a) Hilly & Desert areas#	629.85
	(b) Others	
	(c) Total	629.85
5	First installment required from central funds for the proposed watershed projects	125.97
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. :

