

# **Integrated Watershed Management Programme**

## **Preliminary Project Report (PPR)**

### **Alapuzha**

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

**I. Institutional Structures.**

I. A. State Level Nodal Agencies

I. B. District Level Watershed Units

**I. Selection of Watershed Projects**

**II. Profile of the each selected watershed project**

**III. Agro-climatic condition of project area.**

**IV. Demography & land distribution**

**V. Livelihoods**

**VI. Expected project out comes**

**VII. Mandatory certificates**

**VIII. Status of on-going projects**

**IX. Abstract of projects proposed for sanction**

## I. Institutional Structures

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

**Table-PPR 1: Details of SLNA**

1	2	3	4	5	6
No	State	Type of SLNA <sup>#</sup>	Date of Notification	Date of MoU with DoLR	Total no. of members of SLNA
1	Kerala	Mission	14-Jun-10		Twenty Five

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

7		8					
Chairperson and Co Chairperson		CEO					
Name	Designation <sup>#</sup>	Name	Designation	Date of Appointment	Nature of appointment <sup>§</sup>	Tenure	Contact Ph. No./ Fax/ E-mail
K Jayakumar IAS	Agriculture Production commissioner	M Nandakumar IAS	Commissioner for Rural development	14-Jun-10			
James Vargheese IAS	Principal Secretary, LSGD						

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

1	2	3	4	5	6	7	8		9	
No	Total no. of persons working in the SLNA for IWMP	Names & Designation	Qualification	Experience	Work allocation	Monthly remuneration (Rs.)	Total budget of SLNA (Rs.)		Funding expected from DoLR (Rs.)	
							R	NR	R	NR
1										

**Table-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		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 i n 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+Certificate in DTP	5 years		15000				
8		Programmer	Diploma/Certificate in related fields	5 years		25000				

## I. B. District Level Watershed Units:

**Table-PPR 4: Details of functionaries in the DRDA 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	<b>Respective District Panchayaths</b>	<b>President, respective District panchayats</b>		<b>Three each in all Districts, 52 persons in the State</b>
2	Kollam				
3	Pathanamthitta				
4	Alapuzha				
5	Kottayam				
6	Idukki				
7	Eranakulam				
8	Thrissur				
9	Palakkad				
10	Malappuram				
11	Kozhikkode				
12	Wayanadu				
13	Kannur				
14	Kasargode				

#DWDU/ DRDA/Zilla Parishad (ZP)/ State Department (please specify)/ Any other (Please specify)  
 @collector/CEO ZP/ CDO/ DDO/ PD/ Any other (please specify)

**Table-PPR 4: Details of functionaries in the DRDA Watershed Cell - cont.**

	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				
	<b>52 persons</b>				<b>595000</b>				

## 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	
				Micro-watersheds covered so far							
				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	No.	Area (ha.)	No.	Area h	No.	Area (ha.)		
1	Alapuzha	91	140638	4	0	12	27957	16	27957	73	107373
	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 2011-12**

1	2	3	4	5	6	7	8														
							Weightage under the criteria#														
							Type of project (Hilly/ Desert/ Others)	Proposed cost (Rs. in lakh)	1	2	3	4	5	6	7	8	9	10	11	12	13
1	Alappuzha	IWMP2	8	5909	Plains	709.03	36	24	0	80	0	0	120	60	25	0	40	0	105	61	
		1	8	5909		709.03															

\* 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

No	Criteria	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/	15	-66.7 & below (15)	-33.3 to -66.6 (10)	0 to -33.2 (0)	
	DPAP/ DDP Block		DDP Block	DPAP Block	Non DPAP/ DDP Block	Above 70 % (Reject)
vii	Area under rain-fed agriculture	15	More than 90 % (15)	80 to 90 % (10)	70 to 80% (5)	Fully covered (0)
viii	Drinking water	10	No source (10)	Problematic village (7.5)	Partially covered (5)	
ix	Degraded land	15	High – above 20 % (15)	Medium – 10 to 20 % (10)	Low-less than10% 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 micro watersheds in the project (10)	Contiguity within the micro watersheds in the project but non contiguous to previously treated watershed (5)	Neither contiguous to previously treated watershed nor contiguity within the micro watersheds 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 micro watersheds in cluster (10)	2 to 4 micro watersheds 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 micro watersheds in cluster (10)	2 to 3 micro watersheds 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	IWMP2	0	Plains
3	Name of the District	Alapuzha		
4	Names of the Blocks	Chengannur		
		Mavelikkara		
5	Names of Gram Panchayats	Bhudhanoor		
		Cheriyannadu		
		Puliyoor		
		Pandanadu		
		Ala		
		Thiruvannandoor		
		Venmoney		
		Mulakkuzha		
		Mannar		
		Chennithala-Thrippunthura		
6	Names & Census Code of Villages covered	Cheriyannadu	00110000	
		Puliyoor	00109900	
		Ennakkad	00109300	
		Pandanadu	00109400	
		Mannar	00109200	
		Ala	00109800	
		Thiruvannandoor	00109500	
		Kurattissery	00109100	
		Venmony	00110100	
		Mulakuzha	00109700	
		Trippunthura	00110200	
		Chennithala	00110300	

7	Names & Codes of the micro-watersheds	Mazhukkir	10P12a
		Viralasseri	10P60c
		Thulakuzhichal- Kodanchira	10P61a
		Kurattikad-Mannar	10P62a
		Kurattisseri	10P63a
		Thiruvanvandoor	11M55a
		Kollakadavu- Ilanjimel	9A7a
		Kodukulanji-Cheruvallur	9A7c
8	Four major reasons for selection of watershed	Dilapidated traditional irrigation systems	
		Low productivity of land	
		Strong presence of SC/ST, BPL families and marginal farmers	
		Poor adaptation to climate change	
9	Area of the Project (ha.)	6821	
10	Area proposed to be treated (ha.)	5909	
11	Project Cost (Rs. in Lakhs)	709.03	
12	Name and Address of proposed PIA	Chengannur	Block Panchayats
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 Names of villages	4 Geographical Area of the watershed	5 Forest Area	6 Land under agricultural use	7 Rain fed area	8 Permanent pastures	9 Wasteland	
								Cultivable	Non-cultivable
1	Mazhukkir	Thiruvanvandoor	143	0	133	143	0	0	10
2	Viralasseri	Mulakuzha	180	0	180	180	0	0	0
3	Thulakuzhichal-Kodanchira	Pandanad, Puliyoor, Ennakkad, Ala, Mulakuzha	2524	0	2433	2524	0	0	91
4	Kurattikad-Mannar	Mannar, Tripperunthura, Kurattissery, Chennithala	1168	0	1150	1168	0	0	18
5	Kurattisseri	Kurattissary	245	0	245	245	0	0	0
6	Thiruvanvandoor	Thiruvanvandoor	272	0	270	272	0	0	2
7	Kollakadavu- Ilanjimel	Puliyoor, Ennakkad, Cheriyanaad, Ala	646	0	628	646	0	0	17
8	Kodukulanji-Cheruvallur	Cheriyanaad, Ala, Venmony	1643	0	1633	1643	0	0	10
<b>Total</b>			<b>6821</b>	<b>0</b>	<b>6821</b>	<b>0</b>	<b>6821</b>	<b>0</b>	<b>6821</b>

Source of data:

Kerala state land use board and Panchayat resource map

\* From column no. 2, total no. of micro watersheds, 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

<b>Table – PPR 10: Details of Agro-climatic condition*</b>					
1	2	3	5	7	8
No	Name of the watershed	Name of the Agro-climatic zone covers project area	Names of the villages	Topography#	Average rainfall in mm
1	Mazhukkir	Southern midland	Thiruvanvandoor	Nearly level to very gently sloping coastal plain	2808 mm
2	Viralasseri	Southern midland	Mulakuzha	Nearly level to very gently sloping coastal plain	
3	Thulakuzhichal- Kodanchira	Southern midland	Pundanad, Puliyoor, Ennakkad, Ala, Mulakuzha	Nearly level to very gently sloping coastal plain	
4	Kurattikad-Mannar	Onattukara,Southern midland	Mannar, Tripperunthura, Kurattissary, Chennithala	Nearly level to very gently sloping coastal plain	
5	Kurattisseri	Onattukara	Kurattissary	Nearly level to very gently sloping coastal plain	
6	Thiruvanvandoor	Kuttanad	Thiruvanvandoor	Nearly level to very gently sloping coastal plain	
7	Kollakadavu- Ilanjimel	Southern midland, Onattukara	Puliyoor, Ennakkad, Cheriyamad, Ala	Nearly level to very gently sloping coastal plain	
8	Kodukulanji-Cheruvallur	Southern midland, Onattukara	Cheriyamad, Ala, Venmony	Nearly level to very gently sloping coastal plain	

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

1	2	6				9					
No	Name of the watershed	Major soil types				Major crops					
		Gravelly clay	Gravelly clay loam	Loamy sand		Total	Coconut	Paddy	Mixed	Rubber	Total
1	Mazhukkir	0	143	0		143	86	2	45	0	143
2	Viralasseri	0	180	0		180	57	53	70	0	180
3	Thulakuzhichal- Kodanchira	0	1094	1430		2524	918	1046	467	2	2524
4	Kurattikad-Mannar	0	73	1096		1168	512	226	412	0	1168
5	Kurattisseri	0	0	245		245	60	0	185	0	245
6	Thiruvanvandoor	6	266	0		272	128	12	130	0	272
7	Kollakadavu- Ilanjimel	0	319	326		646	274	223	132	0	646
8	Kodukulanji-Cheruvallur	0	1643	0		1643	876	71	686	0	1643

\* 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.

# Flat, undulating, moderate slope, Steep slope

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

1	2	3	4		5
No	Particulars	Villages	Periodicity		Not affected
			Annual	Any other - once in 4 years	
1	Flood	No. of villages	0	11	1
		Name(s) of villages	0	Chennithala,Cheriyanaad, Ennakkad, Kurattissery,Mannar, Mulakuzha, Puliyoora, Pandanaad,Thiruvanaavandoora, Tripperunthura, Venmony	Ala
2	Drought	No. of villages	0	4	8
		Name(s) of villages	0	Kurattissery,Mannar, Mulakuzha, Pandanaad	Ala, Chennithala,C heriyanaad, Ennakkad, Puliyoora, Thiruvanaavandoora, Tripperunthura, Venmony
Total			0	15	1

\* 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 (Tons/ ha/ year)
<b>Water erosion</b>				
a	Severe	0	NA	NA
b	Moderate	3648	NA	NA
c	Slight	3173	NA	NA
Sub-Total		6821	NA	NA
<b>Wind erosion</b>		0	NA	NA
<b>Total</b>		6821	NA	NA

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

## V. DEMOGRAPHY AND LAND DISTRIBUTION

Details about population is given as table

Key features of population in Table

No	Watershed Name	Area (In Ha)	Total Families	Population			BPL Families	Land holding/Family (In Ha)
				Total	SC	ST		
				6821	22234	93181		
1	Mazhukkir	143	614	2632	259	0	228	0.23
2	Viralasseri	180	575	2326	465	0	168	0.31
3	Thulakuzhichal- Kodanchira	2524	7120	29491	4991	4	2704	0.35
4	Kurattikad-Mannar	1168	3535	14941	2357	14	1315	0.33
5	Kurattisseri	245	1689	7249	902	13	459	0.15
6	Thiruvanvandoor	272	1169	5012	492	0	434	0.23
7	Kollakadavu- Ilanjimel	646	1969	8235	1370	1	757	0.33
8	Kodukulanji-Cheruvallur	1643	5563	23294	3852	0	1928	0.30

## 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 adaptation 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**

1	2	3	4	5	6
No	Names of the watersheds	Existing livelihood activities	Possible livelihood interventions under the project	Current status of migration (No. of people)	Main reasons for migration
1	Mazhukkir	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 linkages 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 be explored.	26	Lack of job opportunities in the 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 the 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	Viralasseri			23	
3	Thulakuzhichal- Kodanchira			295	
4	Kurattikad-Mannar			149	
5	Kurattisseri			72	
6	Thiruvanvandoor			50	
7	Kollakadavu- Ilanjimel			82	
8	Kodukulanji-Cheruvallur			233	
	<b>8</b>			<b>47</b>	

## VII. EXPECTED PROJECT OUTCOMES

### VII. (i). Expected employment related outcomes:

**Table-PPR 14: Employment generation**

1 No.	2 Names of the watersheds	3 Wage employment										4 Self employment				
		No. of man-days 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	Mazhukkir	26	0	516	329	871	26	0	516	329	871	16	0	129	263	408
2	Viralasseri	46	0	447	291	784	46	0	447	291	784	28	0	112	233	372
3	Thulakuzhichal-Kodanchira	499	0	5699	3686	9884	499	0	5699	3686	9884	299	0	1425	2949	4673
4	Kurattikad-Mannar	236	1	2893	1868	4998	236	1	2893	1868	4998	141	1	723	1494	2360
5	Kurattisseri	90	1	1413	906	2411	90	1	1413	906	2411	54	1	353	725	1133
6	Thiruvanvandoor	49	0	983	626	1658	49	0	983	626	1658	30	0	246	501	776
7	Kollakadavu- Ilanjimel	137	0	1592	1029	2759	137	0	1592	1029	2759	82	0	398	824	1304
8	Kodukulanji-Cheruvallur	385	0	4505	2912	7802	385	0	4505	2912	7802	231	0	1126	2329	3687
	8	1469	3	18047	11648	31167	1469	3	18047	11648	31167	881	2	4512	9318	14713

\* 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**

1	2	3	4	5	6
No	Names of the watersheds	No. of persons migrating	No. of days per year of migration	Major reason(s) for migrating	Expected reduction in no. of persons migrating
1	Mazhukkir	26	2632	Lack of job opportunities in the agriculture and allied sectors. Low productivity and poor income from land. Rural economic activities getting weakened. Weak infrastructure and support services for agriculture. Better livelihoods, Changing life styles.	21
2	Viralasseri	23	1372		21
3	Thulakuzhichal- Kodanchira	295	36275		177
4	Kurattikad-Mannar	149	3586		112
5	Kurattisseri	72	7249		62
6	Thiruvanvandoor	50	2957		40
7	Kollakadavu- Ilanjimel	82	10129		74
8	Kodukulanji-Cheruvallur	233	5591		140
	<b>8</b>	<b>47</b>	<b>3490</b>		<b>647</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	Mazhukkir	Open wells	3	2	This increase will substantially improve the drinking water availability, reduce the drudgery for fetching water and increase the irrigated areas. 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 from the residues of pesticides and fertilizers, household waste and garbage, poor sanitation facilities, waste from fish/meat stalls, vegetable markets and
		Bore wells	60	48	
		Others - Ponds	2	2	
2	Viralasseri	Open wells	4	3	
		Bore wells	75	60	
		Others - Ponds	3	3	
3	Thulakuzhichal- Kodanchira	Open wells	2	1	
		Bore wells	65	52	
		Others - Ponds	0	0	
4	Kurattikad-Mannar	Open wells	6	4	
		Bore wells	55	44	
		Others - Ponds	4	4	
5	Kurattisseri	Open wells	7	5	
		Bore wells	70	56	
		Others - Ponds	5	5	

6	Thiruvandoor	Open wells	8	6	small teashops in the watershed area. Convergence efforts should be launched with other Govt departments and NGO s to achieve this. New agricultural practices like SRI cultivation, drip irrigation and precision farming should be promoted in tandem with high efficiency pumps, piped irrigation water, bio gas tanks etc.
		Bore wells	85	68	
		Others - Ponds	6	5	
7	Kollakadavu- Ilanjimel	Open wells	9	6	
		Bore wells	100	80	
		Others - Ponds	7	6	
8	Kodukulanji-Cheruvallur	Open wells	7	5	
		Bore wells	90	72	
		Others - Ponds	5	5	

Source of data:

Panchayat development report and resource map report

**Table-PPR 17: Status of Drinking water\***

1	2	3		4		5
No	Names 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	Mazhukkir	9	10	Turbulence, hardness, high iron and salinity are the major issues observed. High presence of e coli is observed in almost all open wells and	Reduced concentration of dissolved salts, less incidence of turbulence, a check regarding the saline intrusion, better bacteriological quality etc. are	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. More primary
2	Viralasseri	8	10			
3	Thulakuzhichal- Kodanchira	11	12			
4	Kurattikad-Mannar	10	11			
5	Kurattisseri	7	9			

6	Thiruvanvandoor	11	12	ponds. They are also present in number of open wells as well.	the major expected post project benefits	data generation before the launching of the project is recommended to create a bench mark.
7	Kollakadavu- Ilanjimel	9	10			
8	Kodukulanji-Cheruvallur	9	11			
	<b>8</b>	<b>10</b>	<b>10</b>			

\* 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 No	2 Name of the Crop	3		4	
		Current status		Expected post project status	
		Area (ha)	Productivity (kg/ ha)	Area (ha)	Productivity (kg/ ha)
	Kharif Paddy	1633	1768	1796	2033
	Rabi Paddy	18	2125	25	3506
	Zaid Paddy	0	1751	0	1970

\* 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\* Rs in Lakhs**

1	2	3	4	5	6	7	8		9		10	11	
No	District	Project	Instalment no.	Financial year of release of fund	Amount released	Amount utilized	Submission of UC		Date of submission of UC		Reasons for not submitting/ delayed submission of UC	Pending UCs	
							Due date	Amount	Date	Amount		Period	Amount
4	Alapuzha												

\*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 \_\_\_\_\_: District wise\***

1	2	3	4	5		6
No	District	Name of the Project	Total cost (Rs. in lakh)	Total funds released		Unspent balance
				(Rs. in lakh)		
				DoLR	State	(Rs. in lakhs)
4	Alapuzha					
	<b>14</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

\*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 2010-11

1	Number of districts to be covered under the present proposal	Thirteen	
2	No. of Watersheds projects proposed to be taken up under IWMP	<b>Hilly/Desert</b>	<b>Others</b>
3	Total area to be covered under proposed projects (000' ha)		
	(a) Hilly & Desert areas <sup>#</sup>	0.00	
	(b) Others		5.91
	Total	<u>0.00</u>	<u>5.91</u>
4	Total cost of the proposed Watershed projects (Rs. in lakhs)		
	(a) Hilly & Desert areas <sup>#</sup>	0.00	
	(c) Others		709.03
	Total	<u>0.00</u>	<u>709.03</u>
5	First installment required from central funds for the proposed watershed projects	<u>0.00</u>	<u>127.62</u>

**Project Abstract**

1	Title of Project	Integrated Watershed Management Programme in Alapuzha	
2	No. of watersheds proposed	<b><u>8</u></b>	
3	Area proposed	<b><u>5909</u></b>	<b><u>hectares</u></b>
4	Project Cost	<b><u>709.03</u></b>	<b><u>in lakhs</u></b>
5	a Amount to be met form IWMP	<b><u>638.12</u></b>	<b><u>in lakhs</u></b>
	b From other sources	<b><u>70.90</u></b>	<b><u>in lakhs</u></b>
6	Designation , address, e-mail and phone number of the officer in ZP/DRDA responsible for this project	Project Director, Poverty Alleviation Unit Alapuzha District Panchayat Phone E-mail	

**Certificate**

**Certified that the watershed proposed to be treated in this project does not overlap with any other scheme and there is no duplication of Central/external assistance.**

**President  
District Panchayat  
Alapuzha**

**Project Director  
Poverty Alleviation Unit  
District Panchayat  
Alapuzha**